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36TH CONGRESS, 1st Session. } SENATE. { EX. DOC.

RESULTS

OF

METEOROLOGICAL OBSERVATIONS,

MADE UNDER THE DIRECTION OF THE

UNITED STATES PATENT OFFICE AND THE SMITHSONIAN INSTITUTION,

FROM THE

YEAR 1854 TO 1859, INCLUSIVE,

BEING A REPORT OF THE

COMMISSIONER OF PATENTS

MADE AT

THE FIRST SESSION OF THE THIRTY-SIXTH CONGRESS.

VOL. I.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1861.

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In Senate of the United States, *April* 2, 1860.

Resolved, That there be printed, in addition to the usual number, in quarto form, with the plates to illustrate the same, three thousand copies of the Report of the Commissioner of Patents on Meteorological Observations, for the use of the Commissioner of Patents and the Secretary of the Smithsonian Institution.

Attest :

ASBURY DICKINS, *Secretary.*
By W. HICKEY, *Chief Clerk.*

REPORT.

UNITED STATES PATENT OFFICE,
January 26, 1860.

SIR: I have the honor herewith to transmit the results of the Meteorological Observations from the year 1854 to 1859, both inclusive, which have been prepared and condensed at the joint expense of the Patent Office and the Smithsonian Institution. It is believed that these results are of sufficient importance to justify their publication. Indeed, it is due to the scientific men throughout our country, who have voluntarily, and without reward, furnished the data upon which these results are based, that the important information which they contain should be published. The accompanying letter from Professor Henry, Secretary of the Smithsonian Institution, will explain more fully the contents of the papers, and the important advantages which will accrue to the country from their publication.

I respectfully submit the subject to the consideration of Congress for such action as they may deem just and proper.

Very respectfully, your obedient servant,

WM. D. BISHOP,
Commissioner.

Hon. JOHN C. BRECKINRIDGE,
Vice-President of the United States.

SMITHSONIAN INSTITUTION,
Washington, January 25, 1860.

SIR: I have the honor herewith to transmit to you the manuscript reductions of the Meteorological Observations which have been made, under the direction of this Institution and the Patent Office, by several hundred voluntary observers, in nearly every State and Territory in the Union. The original observations were furnished free of charge by persons interested in the progress of science; but the reductions, which have been attended with great labor, have been made by Professor Coffin, of Lafayette College, at the joint expense of this Institution and the Patent Office.

The results are considered as furnishing very interesting and valuable statistics, not only in regard to the science of meteorology, but to that of agriculture, which will be of increasing importance in determining the climatology of different portions of the country with reference to their special adaptation to the growth of different kinds of crops.

The reductions are those of the observations for six years, viz: 1854, 1855, 1856, 1857, 1858, and 1859, and include the following results:

1. The average height of the barometer.
2. The maximum and minimum elevation of the same instrument, and the day when they occur for each month.

3. The average temperature for the hours of 7 a. m., 2 and 9 p. m., and for the month.
4. The highest and lowest degree of temperature, and when they occurred.
5. The warmest and coldest days as a whole.
6. The average and maximum and minimum force of vapor.
7. The relative humidity.
8. The number of times the wind blew from each quarter.
9. The amount of rain and snow.
10. The average amount of cloudiness.
11. Summaries for each year.

To the reductions are appended the original observations in detail for the periods of the occurrence of several extensive storms, in order to furnish data of importance in studying the peculiar disturbances of the atmosphere to which the North American continent is subjected.

The information contained in these observations having been called for as a portion of agricultural statistics by the Patent Office, and having been furnished gratuitously and with much labor by the persons who have made the contributions, the results ought, in justice to the observers, to be published. Besides this, it is highly important, since meteorology is at this time occupying so much attention, that all the data accumulated in regard to it should be given to the world.

These reductions may be considered as forming a part of the results of a harmonious system now in operation in this country under the War Department, the Patent Office, and the Smithsonian Institution, the objects of which are briefly set forth in the following remarks from the Transactions of the "American Medical Association:" "The primary object of the Smithsonian Institution is the advancement of the science of meteorology and the elucidation of the laws of atmospheric phenomena; that of the Patent Office, to collect facts and deduce therefrom laws which have immediate reference to agriculture; while the system of the Medical Department is intended to be primarily subservient to the health of the troops and the advancement of medical science. These three Institutions are now in harmonious co-operation, and it is believed that it is no exaggeration to say that under their auspices more is now being done to advance meteorology than has ever before been attempted under any government."

It may be proper to add that the War Department has lately published a large quarto volume of similar results from the military posts of the United States army, and that the Smithsonian Institution has now in press, at the expense of its own funds, a sufficient amount of matter to make another of equal size.

I have the honor to be, very respectfully, your obedient servant,

JOSEPH HENRY,
Secretary of Smithsonian Institution.

Hon. W. D. Bishop, *Commissioner of Patents.*

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INTRODUCTION.

In the "Programme of Organization of the Smithsonian Institution," presented to the Board of Regents by the Secretary, December 8, 1847, it was proposed, as a part of the general plan of operations, to establish a system of extended meteorological observations; and all necessary arrangements for securing the co-operation of observers having been completed during the following year, the system went into successful operation on the 1st of January, 1849. More than one hundred registers were received, on an average, monthly during that year, and the number has since increased to over five hundred. The material thus collected is carefully preserved in the archives of the Institution, and has afforded important aid to those who have had occasion to consult it on questions of meteorological science. In regard to many such questions, which depend for their solution on the comparison of simultaneous observations, a reference to the original records is indispensable, mere abstracts being of no value; and, for convenience of such reference, the registers of each month are substantially bound in a volume by themselves, thus forming twelve volumes in each year.

There are other questions, however, relating to the general laws of climate, the influence of local causes, &c., which can be determined more readily by condensed abstracts, and such have been prepared for the years 1854 to 1859, inclusive, and are embodied in Volume I of this work; the leading aim in their preparation being to present, in as succinct a form as possible, all the data afforded by the registers for the investigation of questions of the latter class, taking the observations as reported, and not presuming to sit in judgment upon their accuracy. For this the observers must be alone responsible. Great care has been taken to secure accuracy in the reductions; but it is not impossible that in so large an amount of work errors may have occurred, and if any should be detected by those into whose hands the tables may fall, a favor will be conferred upon the Institution by pointing them out, that a table of errata may be prepared.

The whole is comprised in a series of tables, numbered successively from one to fifty-five, inclusive, for each year.

No. 1 gives the names of the places where the observations were taken, the latitude and longitude of each from Greenwich, and its height above the sea; the number of months in the year through which the observations extend; and the name of the observer.

Nos. 2 to 13, inclusive, are tables of the *barometer* for the several months of the year; showing the mean, the maximum, and the minimum atmospheric pressure, with the day and hour on which the two latter occurred.

Nos. 14 to 25, inclusive, are, in like manner, tables of the *thermometer* (Fahrenheit) and face of the sky, and show the mean temperature of each of the hours of observation, and the mean of these means; the maximum and minimum temperatures, with their dates; the mean temperatures of the warmest and coldest days in the month, with their dates; and the mean cloudiness, in parts of 10.

Nos. 26 to 37, inclusive, show the mean amount of aqueous vapor in the atmosphere, for the several months, at each of the hours of observation, as measured by its equivalent weight in inches of mercury, and the mean and minimum ratio of the same to complete saturation, in parts of 100; also the maximum and minimum amounts of vapor, with the dates on which they were observed.

Nos. 38 to 49, inclusive, show the number of times that the winds, both at the surface of the earth and in the region of the clouds, blew from each of the four cardinal points of the compass and from the intervening quadrants during the several months of the year, and the number of calms. Tables have been prepared for the years 1854, '55, and '56, showing, in a manner similar to the above, the results for each of

the hours of observation; but being found too voluminous to be printed, they are preserved for reference in the archives of the Institution.

No. 50 shows the number of inches of rain and melted snow that fell at each place of observation in each month of the year, and the aggregate for the year. In cases where the depth of snow was not reduced to water, one-tenth of that depth has been assumed as its equivalent in water, and an interrogation mark affixed to the result.

No. 51 is a general summary of the observations on the barometer for the entire year; showing its mean, its maximum, and its minimum height, with the dates of the two latter, and the range for the year.

No. 52 is a corresponding summary of the thermometer and face of the sky; showing, besides the means, maxima, minima, and range, as above, the mean temperature for each of the hours of observation, and the dates and mean temperatures of the warmest and coldest days in the year.

Nos. 53 and 54 are summaries of the psychrometer and winds for the entire year, of the same form as the monthly tables of the same—(Nos. 26 to 37, inclusive, and Nos. 38 to 49, inclusive.)

No. 55 shows the mean velocity of the winds from the several points of the compass, estimated according to the following scale, adopted by the Institution and printed on the blanks that are distributed to the observers:

Scale by which the force of wind is estimated in figures from 1 *to* 10.

1. Very light breeze	2	miles per hour.
2. Gentle breeze	4	" "
3. Fresh breeze	12	" "
4. Strong wind	25	" "
5. High wind	35	" "
6. Gale	45	" "
7. Strong gale	60	" "
8. Violent gale	75	" "
9. Hurricane	90	" "
10. Most violent hurricane	100	" "

A more full discussion of the winds has been undertaken by Professor Coffin, and is reserved for a future publication.

The registers, as received from the observers, were sent to Professor Coffin, at Easton, Pennsylvania, and the reductions were made under his supervision.

The work has been carried through the press under the direction of Mr. Wm. Q. Force, of this Institution, who also prepared the General Lists of Stations and Observers, and reduced and incorporated into the tables such observations as were received after the reductions by Professor Coffin were completed.

The observations in detail for the periods of the occurrence of a number of extensive storms, mentioned in the letter to the Commissioner of Patents, form a part of the second volume of this publication.

JOSEPH HENRY,
Secretary of the Smithsonian Institution.

ALPHABETICAL LIST OF STATIONS

FOR THE

YEARS 1854 TO 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
Acadia College, Nova Scotia.—(See Wolfville.)	° ′	° ′		
Acquidneset, R. I.	41 30?	71 40?	1856	E. G. Arnold.
Adams Centre, N. Y.	43 48	75 52	1859	C. D Potter, M. D.
Aiken, S. C.	33 32	81 34	1854,'55,'56	H. W. Ravenel.
Aiken, S. C.	33 32	81 34	1857,'58,'59	John H. Cornish.
Alachua County, Fla.—(See Gainesville.)				
Albion, Ill.	38 24	88 11	1857	Edgar P. Thompson.
Albion Mines, Nova Scotia	45 34½	62 42	1854	Henry Poole.
Alexandria, Va.	38 48	77 01	1854,'55,'56,'57,'58	Benjamin Hallowell.
Agricultural College, Mich.—(See Lansing.)				
Alligator, Fla.	30 12	82 37	1857,'58,'59	Edward R. Ives.
All Saints, S. C.	33 40	79 17	1854,'55,'56,'57,'58,'59	Rev. Alexander Glennie.
Altoona, Pa.	40 37	78 22	1859	W. R. Boyers.
Amherst, Mass.	42 22	72 34	1854,'55,'56,'57,'58,'59	Prof. E. S. Snell.
Angelica, N. Y.	42 15	78 01	1854,'55,'56,'57,'58	Dr. E. M. Alba.
Annapolis, Md., (Naval Academy)	38 58	76 29	1855,'56	A Zumbrock, M. D.
Annapolis, Md.	38 58	76 29	1856,'57,'58,'59	William R. Goodman.
Ann Arbor, Mich., (University of Michigan).	42 16	83 44	1854,'55,'56,'57	Prof. A. Winchell.
Ann Arbor, Mich., (3½ miles ESE. from Ann Arbor.)	42 16	83 30	1854,'55,'56	Lum Woodruff.
Appleton, Wis., (Lawrence University)	44 10	88 35	1856,'57,'58,'59	Prof. R. Z. Mason.
Arcola, Ohio.—(See Unionville)				
Arispe, Ill.—(See Tiskilwa.)				
Arkadelphia, Ark.	34 08	92 58	1859	Dennis Barlow.
Ashville, N. C.	35 37	82 29	1857,'58	W. W. McDowell.
Ashland, Va., (near Buffalo)	38 38	81 57	1854,'55,'56,'57,'58	Prof. George R. Rossiter and Samuel Couch.
Ashville, Ala.	33 52	86 20	1857	Thomas M. Barker.
Assumption, Paraguay, S. A.	25 16 S	57 45	1854	E. A. Hopkins, U. S. Consul.
Athens, Ga.	33 58	83 30	1857,'58,'59	Prof. John D. Easter.
Athens, Ill.	39 52	89 56	1854,'55,'56,'57,'58	Joel Hall.
Atlanta, Ga.	33 43	84 18	1859	J. G. Westmoreland, M. D.
Atsena Otie, Fla.	29 07	83 02	1854,'55,'56,'57,'58,'59	Judge Augustus Steele.
Auburn, Ala.	32 37	85 34	1855,'56,'57,58	Prof. John Darby.
Auburn, Cal.	38 54	121 02	1859	Robert Gordon.
Augusta, Ga.	33 28	81 54	1854.'55,'57	William Haines.
Augusta, Ga.	33 28	81 54	1858,'59	William H. Doughty, M. D.
Augusta, Ill.	40 12	89 45	1854,'55,'56,'57,'58,'59	S B. Mead, M. D.
Augusta, Mo.	38 36	90 30	1859	Conrad Mallinckrodt.
Aurora, Ill.	41 40	88 16	1857,'58,'59	Andrew J. Babcock.
Aurora, Ind.	39 04	84 47	1859	George Sutton.
Austin, Texas	30 20	97 46	1854,'55,'56,'57,'58,'59	Dr. Samuel K. Jennings and J. Van Nostrand.
Austin, Texas	30 15	97 47	1857,'58,'59	Swante Palm.
Avon, Ohio	41 27	82 04	1858,'59	Rev. L. F. Ward.
Baldwin's Institute, Ohio.—(See Berea.)				
Baldwinsville, N. Y.	43 04	76 41	1854,'55,'56,'57,'58,'59	John Bowman.
Ballardsville, Ky.	38 26	85 31	1854,'55,'56	John Swain, M. D.
Baltimore, Md.	39 18	76 37	1857,'58,'59	Prof. Alfred M. Mayer.
Barbacoos, New Granada, S. A.	8 30	79 00	1854	E. L. Berthoud.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Bardstown, Ky	37 52	85 18	1858,'59	John H. Lunemann.
Barnstable, Mass.—(See Wood's Hole.)				
Bastrop, Texas	30 05	97 22	1859	J. L. Cunningham.
Batavia, Ill	41 48	88 23	1854	Prof. Wm. Coffin.
Batavia, Ill	41 52	88 26	1858,'59	E. Capon.
Batavia, Ill	41 52	88 20	1857,'58,'59	Thompson Mead.
Battle Creek, Mich	42 20	85 10	1854,'55,'56,'57,'58,'59	Dr. W. M. Campbell.
Bay City, Wis	46 33	91 00	1856,'57,'58,'59	Edwin Ellis, M. D.
Bayfield, Wis	46 18?	90 50?	1858,'59	J. Harvey Nourse.
Beaver Bay, Minn	47 12	91 19	1858,'59	Thomas Clarke.
Beaver Bay, Minn	47 11	91 25	1859	Henry Wieland.
Beaver Brook, N. Y	41 20?	74 50?	1854	C. S. Woodard.
Beaver Island, Mich.—(See St. James.)				
Bedford, Pa	40 01	78 30	1854,'55,'56,'57,'58	Samuel Brown.
Bedford, Pa	40 01	78 30	1859	Rev. Henry Heckerman.
Belair, Fla	30 24	84 20	1856,'57,'58,'59	Benjamin F. Whitner.
Belfast, Me	44 22	69 06	1859	J. Emerson Brackett.
Belle Centre, Ohio.—(See Northwood.)				
Bellefontaine, Wis	43 40	89 15	1854	Thomas Gay.
Bellefontaine, Ohio	40 21	83 40	1855,'56,'57,'58,'59	Joseph Shaw.
Bellefonte, Pa	40 50	77 49	1858,'59	J. Ilgin Burrell.
Belle Prairie, Minn	46 06?	94 20	1856	Rev. Benjamin F. Odell.
Bellevue, Iowa	42 15	90 25	1856,'57,'58,'59	John C. Fory.
Bellevue, Neb	41 08	95 50	1857	Henry M. Burt.
Bellevue, Neb	41 08	95 50	1857,'58,'59	William Hamilton.
Bellport, N Y	40 44	72 54	1857,'58,'59	Henry William Titus.
Beloit, Wis	42 30	89 04	1854,'55,'56,'57,'58,'59	Prof. Wm. Porter and others.
Bendersville, Pa	40 00	77 15	1859	Franklin W. Cook.
Bentonville, Ark	36 23	94 09	1859	P. Graham.
Berea, Ohio	------	------	1855	Prof. G. M Barber.
Berryville, Va	39 09	78 00	1856,'57	Miss Ellen Kownslar.
Berryville, Va	39 11	78 09	1858	Dr. R. Kownslar.
Berwick, Pa	41 05	76 15	1856,'57,'58,'59	John Eggert.
Bethany, Mo	40 16	94 02	1859	D. J. Heaston.
Beverly, N. Y	41 22	74 00	1854,'55,'56,'57,'58,'59	Thomas B. Arden.
Biddeford, Me	43 29	70 27	1854	Jas. G. Garland and F. A. Small.
Black River Plantat'on, La	31 30	91 46	1856,'57,'58,'59	Andrew R. Kilpatrick, M. D.
Black River Falls Iron Works, Wis.—(See New Danemora)				
Blackwell's Island, N. Y	40 45	73 57	1855,'56,'57	Wm. W. Sanger, M. D.
Bladensburg, Md	38 57	76 58	1854,'55,'56,'57,'58,'59	Benjamin O. Lowndes.
Bloomfield, N. J	40 49	74 11	1854,'55,'56,'57,'58	Robert L. Cook.
Bloomington, Ill	40 27	89 08	1859	Jesse Allison.
Blue Hill, Me.—(See Oldtown.)				
Bogota, New Granada	4 36	74 14	1857	Dr. E. Uricoechea.
Bolivar, Mo	37 37	93 20	1859	W. J. Van Kirk.
Bonham, Texas	33 40	96 13	1859	Prof Solomon Sias.
Boonville, Mo	38 55	92 40	1859	Norris Sutherland.
Border Plains, Iowa	42 36	94 05	1856,'57,'58,'59	William K. Goss.
Boston, Mass	42 22	71 03	1855,'56.	
Boston, Mass	42 22	71 03	1857	R. T. Paine.
Boston, Mass	42 22	71 03	1857	E. L. Smith.
Boston, Mass	42 20	71 03	1859	Edward L. Adams.
Boston, Texas	33 25	94 24	1859	G. Freeze.
Bowling Green, Ky	37 00	86 25	1855	F. C. Herrick.
Bowling Green, Ohio	41 27	83 45	1857,'58,'59	Dr. William R. Peck.
Bradford, Vt	44 11?	72 25?	1858	L W. Bliss.
Brandon, Vt	43 45	73 00	1854,'55,'56,'57,'58,'59	David Buckland.
Brecksville, Ohio	41 23	81 40	1859	Rev. Spencer L. Hillier.
Bridgewater, Mass	42 00	71 00	1856,'57,'58,'59	Bridgewater Normal School.
Brighton, Ill	39 00	90 13	1856,'57,'58,'59	Rev. William V. Eldredge.
Brooklyn, Mich	42 06	83 36	1854	Dr. M. K. Taylor.
Brookville, Pa	41 12	79 08	1854	D. S. Dearing.
Brown University, R. I.—(See Providence)				
Brown Cottage, N. Y.—(See Eden.)				
Brownsville, Ark	34 50	92 00	1859	B. F. Coulter.
Brownsville, Neb	40 24	95 33	1858,'59	Charles B. Smith.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Bruce, Ill	41 15?	88 45?	1859	Dr. George O. Smith.
Buchanan, Minn	47 33	92 00	1857,'58	Stephen Walsh.
Buck Horn, Ark	------	------	1859	Armistead Younger.
Buffalo, N. Y	42 50	79 33	1854	W. D. Allen.
Buffalo, N. Y	42 50	79 33	1854	Dr. Sandford B. Hunt.
Buffalo, N. Y	42 50	78 53	1854,'55,'56,'57	Elias O. Salisbury.
Buffalo, N. Y	42 50	78 56	1858,'59	William Ives.
Buffalo, N. Y	42 45	79 05	1859	Godfrey Zimmerman.
Buffalo, Va.—(See Ashland.)				
Buffalo, Va	38 40	82 11	1858	W. R. Boyers.
Burkeville, Texas	31 00	93 34	1859	Dr. N. P. West.
Burlingame, Kansas	38 35	96 45	1858,'59	Edmund and Lucian Fish.
Burlington, Iowa	40 48	91 12	1859	John M. Corse.
Burlington, Minn	47 01	91 30	1857,'58,'59	A. A. Hibberd.
Burlington, N. J	40 00	75 12	1854,'55,'56,'57,'58	Rev. Adolph Frost and Dr. E. R. Schmidt.
Burlington, Vt., (University of Vermont)	44 29	73 11	1854,'55,'56,'57,'58,'59	Prof. Zadock Thompson and McK. Petty.
Burlington, Wis	42 39	88 04	1859	D. Mathews.
Bustleton, Pa	40 05	75 01	1854	J. C. Martindale.
Byberry, Pa	40 06	74 58	1854,'57,'58	John Comly.
Cahaba, Ala	32 19	87 15	1859	Matthew Troy, M. D.
Camanche, Iowa	41 48	90 45	1856,'57,'58	Nathan H. Parker.
Cambridge, Mass., (Harvard University)	42 24	71 07	1856,'57,'58,'59	Prof. W. C. Bond.
Camden, Ark	33 32	92 48	1855	J. J. McElrath.
Camden, S. C	34 17	80 33	1854,'55,'56,'57	Thornton Carpenter and Dr. J. A. Young.
Cannelton, Ind	37 58	86 40	1856,'57,'58,'	Hamilton Smith, jr.
Cannonsburg, Pa	40 17	80 10	1856,'57,'58,'59	Prof. William Smith, D. D.
Canton, Mass	42 12	71 08	1857,'58	D. H. Ellis.
Canton, N. Y	44 38	75 15	1854,'55,'56,'57	E. W. Johnson.
Cape Girardeau, Mo.,(St. Vincent's College)	37 20	89 34	1856,'57,'58	Rev. James Knoud, Missouri Geological Survey.
Capon Bridge, Va	39 16	78 29	1857	John J. T. Offutt, M. D.
Caraccas, Venezuela, S. A	10 31S	67 05	1858	Augustus Fendler.
Carbon Cliff, Ill	41 31	90 29	1859	Mrs. William S. Thomas.
Carlisle, Pa., (Dickinson College)	40 12	77 11	1855,'56,'57,'58,'59	Prof. W. C. Wilson.
Carlowville, Ala	32 10	87 15	1856,'57,'58,'59	Dr. H. L. Alison.
Carmel, Maine	44 47	69 00	1854,'55,'56,'57	John J. Bell.
Carrolton, Mo	39 21	93 27	1859	John Campbell and S. S. Hoffaker.
Carthage, Ill	40 23	91 17	1856,'57,'58,'59	Samuel Jacob Wallace and Mrs. E. M. A. Bell.
Cascade Valley, Wis	44 30	92 00	1856	Samuel R. Siebert.
Cass Lake Mission, Minn.—(See Lake Winnibigoshish.)				
Cassville, Mo	36 41	93 56	1859	M. L. Wyrick.
Castleton, Vt	43 34	73 09	1854,'55	D. Underwood.
Catharina Sophia, Surinam, S. A	5 48	56 47	1856,'57,'58,'59	C. T. Hering.
Cayuga, Kansas	39 25?	94 58?	1858	William H. Gilman.
Cazenovia, N. Y	42 55	75 46	1856,'57,'58,'59	Aaron White.
Cedar Keys, Fla.—(See Atsena Otie.)				
Celestville, Kan.—(See Spring Hill.)				
Centre Signal Station, Bermuda, W. I	?	?	1858	James Crawford.
Centre Signal Station, Bermuda	32 20?	64 45?	1859	J. Foster.
Ceres, Pa	42 00	78 25	1854	Dr. R. P. Stevens.
Ceresco, Wis	43 50	88 57	1854,'55	Miss Mary E. Baker.
Chambersburg, Pa	39 58	77 45	1858,'59	William Heyser.
Chanarcillo, Chili, S. A	27 28S	70 28	1858,'59	Edward B. Dorsey.
Chapel Hill, N. C., (University of North Carolina)	35 54	79 17	1854,'55,'56,'57,'58,'59	Prof. James Phillips, D. D.
Charleston, S. C	32 46	80 00	1855,'56,'57,'58,'59	John L. Dawson, M. D., and Joseph Johnson, M. D.
Charlotte, N. Y	43 14	77 51	1859	Andrew Mulligan, under direction of Capt. Meade, Superintendent Lake Survey.
Charlottesville, Va.—(See Montview.)				

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Chatfield, Minn	43 50	92 25	1859	T. F. Thickstun.
Chatham, N. Y	42 26	73 30	1854	C. T. Chase.
Chegoinigan Bay, Wis.—(See Bay City.)				
Chestertown, Md	39 14	76 02	1855,'56,'57,'58,'59	Washington College.
Cheviot, Ohio	39 07	84 34	1855,'56,'57	Ebenezer Hannaford.
Chicago, Ill	41 53	87 41	1856,'57	G. D. Hiscox.
Chicago, Ill	41 53	87 41	1859	Samuel Brooks.
Chromedale, Pa	39 55	75 25	1854,'55,'56,'57,'58	Joseph Edwards.
Chromedale, Pa	39 55	75 25	1859	John H. Smedley.
Cincinnati, Ohio, (Woodward High School)	39 06	84 27	1855	Francis W. Hurtt and George W. Harper.
Cincinnati, Ohio, (Woodward High School)	39 06	84 27	1856,'57,'58,'59	George W. Harper.
Cincinnati, Ohio	39 06	84 27	1857,'58	Francis W. Hurtt.
Cincinnati, Ohio	39 06	84 25	1855,'56	John Lea.
Cincinnati, Ohio	39 06	84 28	1859	R. C. and J. H. Phillips.
Cincinnati, Ohio	39 06	84 15	1855,'56,'57	Reporter for Bost'n Telegraph.
Cinnaminson, N. J	40 01	75 03	1859	William Perry.
Claremont, N. H	43 29	72 22	1857,'58	F. N. Freeman.
Claremont, N. H	43 29	72 22	1859	Arthur Chase.
Clarksville, Ga	34 35	83 31	1859	Jarvis Van Buren.
Cleveland, (near) Ohio	41 30?	72 22?	1859	Edward Colbrunn.
Clarksville, Ga	34 41	-------	1859	Col. John R. Stanford.
Clarksville, (near) Tenn.—(See Glenwood.)				
Cleveland, Ohio	41 30	81 40	1855,'56,'57,'58,'59	Gustavus A. Hyde.
Clinton, Iowa	41 54	90 30	1856	Nathan H. Parker.
Clinton, N. Y	43 00	75 20	1856	Prof O. Root.
Clinton, N. Y	43 00	75 20	1857,'58,'59	Dr. H. M. Paine.
Clyde, N. Y	43 10	77 10	1859	Matthew Mackie.
Cobham Depot, Va —(See Rougemont)				
College Hill, Ohio, (Farmer's College)	39 19?	84 25?	1854,'56,'57,'58,'59	Prof. R. S. Bosworth and Prof. J. H. Wilson.
College Hill, Ohio	39 19	84 25	1859	John W. Hammitt.
Collingwood, Ohio	41 49	83 34	1856,'57,'58,'59	Henry Bennett and Miss Sarah E. Bennett.
Colonia Tovar, Venezuela	10 26	67 20	1854,'56	Augustus Fendler.
Columbia, Ct	41 42	72 16	1856,'57,'58,'59	William H. Yeomans.
Columbia, S. C	33 57	81 07	1854	
Columbia, S. C	33 59	80 48	1856,'58,'59	Superintend't Arsenal Academy.
Columbia, S. C	33 59	80 48	1859	E. H. Barton, M. D.
Columbus, Miss	33 30	88 29	1855,'56,'57,'58,'59	James S. Lull.
Columbus, Texas	29 43	96 36	1859	W. G. De Graeffenried.
Concord, N. H	43 12	71 29	1854,'55,'56,'57,'58	Dr. Wm Prescott and Henry E. Sawyer.
Concord, N. H	43 12	71 29	1858,'59	E. P. Colby.
Concord, N. Y.—(See West Concord.)				
Cooper, Mich	42 40	85 31	1854,'55,'56,'57,'58	Mrs. Octavia C. Walker.
Copper Falls Mines, Mich	47 25	88 16	1856,'57	Charles S. Whittlesey.
Cordova, Mexico	19 26	97 51	1858,'59	J. A. Hicto.
Cornell College, Iowa.—(See Mount Vernon.)				
Cornish, Me	43 40	70 44	1856,,'57,'58,'59	G. W. Guptill.
Cornish, Me	43 40	70 44	1857,'58,'59	Silas West.
Corunna, Mich	42 57	84 06	1859	Heber Crane.
Council City, Kansas	38 42	95 50	1857	Edmund Fish.
Covert, N. Y.—(See Lodi.)				
Covington, Ga	33 34	84 00	1859	Benjamin F. Camp.
Crack Whip, Va	39 30	78 31	1856,'57,'59	D. H. Ellis.
Craftsbury, Vt	44 40	72 29	1854	Charles A. J. Marsh.
Craftsbury, Vt	44 40	72 29	1855,'56,'57,'58,'59	James A. Paddock.
Crescent City, Cal	41 45	124 11	1859	Robert B. Randall.
Crichton's Store, Va	36 40	77 46	1854,'55,'56,'57,'58,'59	R. F. Astrop.
Cross Creek, Va	40 19?	80 31?	1858,'59	B. D. Sanders.
Cross Roads, Texas	30 27	97 26	1859	F. S Wade
Culloden, Ga	32 51	84 13	1854	Prof. John Darby.
Cumberland University, Tenn.—(See Lebanon)				
Cunningham's Island, Ohio.—(See Kelley Island.)				

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Dallas, Texas	32 40	96 45	1859	John M. Crockett.
Dallasburg, Ohio	39 17	84 07	1859	F. G. Hill.
Danvers, Mass.	42 35	71 03	1858, '59	A. W Mack.
Danville, Ky	37 40	84 30	1854, '55, '56, ,57, '58, '59	Prof. O. Beatty.
Dansville, N. Y.	42 34	77 46	1859	John J. Brown.
Dartmouth College, N. H.—(See Hanover.)				
Davenport, Iowa	41 30	90 37	1859	A. J. Finley.
Davidson College, N. C.	35 30	80 54	1857, '58, '59	Prof. W. C. Kerr.
Dayton, Ohio	39 44	84 10	1855	
Dayton, Ohio			1856	Cooper Female Seminary.
Dayton, Ohio	39 11	84 11	1856	James C. Fisher, M. D.
Dayton, Ohio	39 44	84 10	1858	Lewis Groneweg.
Deaf and Dumb Institute, N. Y.—(See New York city.)				
Deer Creek, Neb	42 49	106 00?	1859	Major Thomas S. Twiss.
Delafield, Wis	43 10	88 20	1859	Prof. Ambrose W. Clarke.
Delaware College, Del.—(See Newark.)				
Denver City, Kansas	39 35	105 18	1859	D. C. Collier.
Detroit, Mich	42 24	83 00	1854, '55, '56	Rev. George Duffield.
Detroit, Mich., (Marine Hospital)	42 24	82 58	1858, '59	Zena Pitcher, M.D., (by L S. Horton)
Dexter, Maine	44 55	69 32	1858, '59	Benjamin F. Wilbur.
Diamond Grove, Va.—(See Crichton's Store.)				
Dickinson College, Penn.—(See Carlisle.)				
Dixon, Ill	41 50	89 36	1859	J. T. Little.
Downieville, Cal	39 27		1859	T. R. Kibbe, M. D.
Dry Ridge, Mo.—(See Hannibal.)				
Dubuque, Iowa	42 30	90 52	1854, '55, '56, '57, '58, '59	Asa Horr, M. D.
Dudley, Ohio	40 35	83 35	1859	Hannah E. Hampton.
Dundee, Mo	38 30	91 10	1859	S. S. Bailey.
Eagle River, Mich	47 26	88 02	1855	——— ———,
Eagle River, Mich	47 26	88 02	1856	Mrs. Mary A. Goff.
East Exeter, Maine	45 00	69 00	1858	Stephen Gilman.
East Fairfield, Ohio	40 47	80 44	1859	Smith B. McMillan.
East Greenwich, R. I.—(See Acquidneset.)				
East Montpelier, Vt	44 18	72 31	1855	B. J. Wheeler.
East Tennessee University, Tenn.—(See Knoxville.)				
Easton, Pa., (Lafayette College.)	40 43	75 16	1855, '56, '57, '58, '59	S. J. Coffin and G. R. Houghton
East Smithfield, Pa	41 56	76 37	1859	James E Tracy.
Eden, N. Y.	42 38	79 07	1856, '57, '58, '59	Stephen Landon and Anna S. Landon.
Edgar Co., (near S. W. corner,) Ill.	39 30	88 36?	1858	J. W. Brown.
Edgefield, S. C	33 45	81 48	1857	——— ———.
Edgington, Ill.	41 25	90 46	1857, '58, '59	Dr. E. H. Bowman.
Edinburg, Ohio	41 20	81 00	1857, '58	Smith Sanford.
Edisto Island, S. C.	32 34	80 18	1856	Edward A. Fuller.
Edisto Island, S. C.	32 34	80 18	1857	Dr. E. N. Fuller.
Elgin, Ill	42 00	88 15	1858, '59	J. B. Newcomb.
Elkhorn, Neb	41 22	96 12	1858, '59	Miss Anna M. J. Bowen.
Elk Run Township, Ohio.—(See East Fairfield.)				
Elk Township, Iowa.—(See Poultney.)				
Elliot Academy, Miss.—(See Port Gibson.)				
Elmwood, Mass.—(See Richmond.)				
Emerson, Mo	39 56	91 40	1859	Wm. B. Kizer.
Evanstown, Ill	42 00	87 51	1858	H. G. Meacham.
Evansville, Ind	38 08	87 29	1857, '58	John F. Crisp.
Exeter, N. H.	42 58	70 55	1854, '55	Rev. L. W. Leonard.
Factory Mills, Ga.	33 40	84 46	1857	F. T. Simpson.
Fairfax, Vt	44 39	72 58	1854	Prof. S. H. Peabody.
Fairfield, Iowa	41 01	91 57	1855, '56, '57, '58, '59	Dr. J. M. Shaffer.
Fairmount Institute, N.Y.—(See Morrisania.)				
Fairfield, Iowa	41 01	91 57	1859	Miss Sue McBeth.
Falconer, N. Y.	42 05	79 10	1854	Lawrence A. Langdon.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Falls of St. Croix, Wis.—(See St. Croix.)				
Falmouth, Mass.—(See Wood's Hole.)				
Falmouth, Va	38 15	77 34	1858, '59	Abram Van Doren.
Farmer, N. Y.—(See Lodi.)				
Farmer's College, Ohio.—(See College Hill.)				
Farmington, Mo	37 48	90 24	1859	Nathan P. Force.
False River, La.—(See Point Coupeé.)				
Fayette Village, Iowa	42 50	91 50	1859	John M. McKenzie.
Fishkill, N. Y	41 34	74 18	1854, '55	William Harkness.
Fishkill Landing, N. Y	41 34	74 18	1856, '57, '58, '59	William H. Denning.
Flatbush, N. Y	40 37	74 01	1856, '57, '58, '59	Rev. R. D. Van Kleek.
Fleming, Pa	40 55	77 53	1856, '57, '58, '59	Samuel Brugger.
Flint, Mich	42 58	83 39	1854, '55	Drs. D. Clark and M. Miles.
Flippen's Barrens, Ark.—(See Yellville.)				
Florida, Mass	42 42	73 10	1857, '58, '59	L. F. Whitcomb.
Flushing, N. Y	40 46	73 52	1855	—— ——.
Fontenelle, Neb	41 31	96 45	1859	John Evans.
Fordham, N. Y	40 54	74 03	1856, '57, '59, '59	St. John's College.
Forest City, Minn	45 45	96 00	1858, '59	A. C. Smith.
Forestville, Iowa	42 40	91 50	1859	Daniel Sheldon.
Forestville, Mich	43 40	82 34	1858	Lieut. C. N. Turnbull, top. engs, under direction of Capt. Meade, Superintendent Lake Survey.
Fork Union, Va	37 40	78 21	1859	Silas B. Jones.
Fort Edward, N. Y	43 13	73 42	1857, '58, '59	Prof. Solomon Sias.
Fort Gibson, Indian Territory	35 47	95 10	1857	—— ——.
Fort Gratiot, Mich	42 60	82 25	1858, '59	Lieut. Charles N. Turnbull, top. engs., & Heber Squier, under direction of Captain Meade, Sup't Lake Survey.
Fort Madison, Iowa	40 37	91 28	1854, '55, '56, '57, '58, '59	Daniel McCready.
Fort Niagara, N. Y	43 18	79 08	1859	L. Leffman, under direction of Capt. Meade, Superintendent Lake Survey.
Fort Pierre, Neb	44 23	100 11	1854	F. Behman.
Fort Rae, B. A., on Great Slave Lake	------	------	1859	Lawrence Clarke, jr.
Fort Riley, Kansas	39 02	97 00	1859	Rev. David Clarkson.
Fort Simpson, British America	61 51	121 25	1858, '59	Bernard R. Ross.
Fort Snyder, Oregon	42 00	?	1858	James A. Snyder.
Fort Thompson, Oregon	42 58	108 56	1857, '58	W. H. Wagner.
Fort Union, Neb	48 15	103 15	1854	E. T. Denig.
Fort Union, Dakota	48 00	104 00	1857, '58	F. G. Riter.
Fort Vancouver, Oregon	45 40	122 30	1859	Dr. Barnes.
Francestown, N. H	42 59	71 45	1857, '58	A. H. Bixby.
Francestown, N. H	43 00	71 46	1857	Dr. Martin N. Root.
Franklin, Iowa	42 45	92 11	1856, '57, '58, '59	Dexter Beal.
Franklin, Ohio	39 30	84 00	1856, '57	W. L. Schenck, M. D.
Frederick, Md	39 24	77 18	1854, '55, '56, '57, '58, '59	Henry E. Hanshew.
Fredericksburg, Va	38 20	77 28	1859	Charles H. Robey.
Freedom, Ohio	41 13	81 08	1859	H. M. Davidson.
Freedom, Me	44 30	69 19	1859	E. A. Fuller.
Freehold, N. J	40 15	74 21	1857, '58, '59	O. R. Willis.
Freeport, Pa	40 30	79 41	1854	A. D. Weir.
Fremont Centre, Ill	42 18	88 06	1857, '58	Isaac H. Smith.
Friendship, Tenn	35 50	89 25	1855	Dr. Robert Thadd. Carver.
Fruit Farm, Va.—(See The Plains.)				
Fryeburg, Me	44 03	71 00	1854, '55, '56	Dr. George B. Barrows.
Gainesville, Ark	36 12	90 35	1859	James F. Davies.
Gainesville, Fla	29 35	82 26	1856, '57, '58, '59	James B. Bailey.
Galena, Ill	42 25	90 33	1859	Emil Haeuser.
Gallipolis, Ohio	39 00	82 01	1854, '55, '56	Dr. G. W. Livesay.
Gallipolis, Ohio	39 00	82 01	1857, '58	A. P. Rodgers.
Gardiner, Me	44 11	69 46	1855, '56, '57, '58, '59	R. H. Gardiner.
Garlandsville, Miss	32 23	89 20	1854, '55	Rev. E. S. Robinson.
Garysville, Va	37 18	77 16	1856	Dr. T. Francis Beckwith.

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	° ′	° ′		
Genito, or Genito Mills, Va.—(See Crichton's Store)				
Gaston, N. C	36 32	77 45	1856,'57,'58,'59	Dr. George F. Moore.
Geneva, N. Y	42 53	77 02	1856	Prof. W. D. Wilson.
Geneva, N. Y	42 53	77 02	1859	Job Elletson.
Geneva Hall, Ohio.—(See Northwood.)				
Georgetown, Ct	41 15	73 25	1856,'57	Aaron B. Hull.
Georgetown, Del	38 43	75 22	1857,'58	Dr. D. W. Mauld.
Georgetown, D. C	38 55	77 05	1859	Rev. C. B. MacKee.
Germantown, N. Y	42 08	73 58	1859	William Tompkins.
Germantown, Ohio	39 30	84 20	1854,'55,'56	Lewis Groneweg.
Germantown, Ohio	39 39	84 11	1856,'57	J. S. Binkerd.
Germantown, Pa	40 03	75 10	1859	Thos. Meehan and S. Ebert.
Gettysburg, Pa	39 49	77 15	1854,'55,'56,'57,'58,'59	Prof. M. Jacobs.
Gilbert's Trading Post, Neb., six miles east from summit of South Pass	42 28	108 40	1858,'59	Charles H. Miller.
Gilmer, Texas	32 46	94 48	1859	J. M. Glasco.
Glenwood, Tenn	36 28	87 13	1854,'55,'56,'57,'58,'59	Prof. William M. Stewart.
Glenwood Cottage, Tenn —(See Glenwood.)				
Goldsborough, N. C, (Wayne Institute and Normal College)	35 20	77 51	1856,'57,'58	Rev. Daniel Morrelle.
Goliad, Texas	28 30	97 15	1857,'58	John C. Brightman.
Gonzales, Texas	29 28	97 39	1859	M. H. Allis.
Gouverneur, N. Y	44 25	75 35	1854,'55	Dr. P. O. Williams.
Grand Haven, Mich	43 01	86 11	1859	Heber Squier, under direction of Captain Meade, Superintendent Lake Survey.
Grand Rapids, Mich	43 00	86 00	1854,'55,'56,'57,'58	Alfred O. Currier.
Grand Rapids, Mich	43 00	86 00	1856,'57,'58,'59	L. H. Streng.
Grand Traverse, Mich	44 56	85 30	1854	H. R. Schellerly.
Granville, Ill	41 14	89 21	1857	J. L. Jenkins
Granville, Ohio	40 03	82 34	1854,'55,'56,'57	Prof. S. N. Sanford.
Great Falls, N. H	43 17	70 52	1854,'55,'56,'57	Henry E. Sawyer.
Great Salt Lake City, Utah	40 45	112 10	1857	H. E Phelps.
Great Salt Lake City, Utah	40 45	111 26	1858,'59	W. W. Phelps.
Great Valley, N. Y	42 12	78 45	1859	Kathalo Kelsey.
Green Bay, Wis	44 30	88 00	1858,'59	D. Underwood.
Greencastle, Ind	39 39	86 46	1854	Prof. Joseph Tingley.
Greencastle, Ind	39 39	86 46	1859	William H. Larrabee.
Greene Springs, Ala	32 50	89 46	1854,'55,'56,'57,'58,'59	Prof. Henry Tutwiler.
Greenfield, Mo	37 24	93 48	1859	S. B. Bowles, M. D.
Green Mount, Ind.—(See Richmond, Haines.)				
Green Plains, N C.—(See Gaston.)				
Greensborough, Ala	32 40	87 40	1856,'57,'58,'59	Robert B. Waller.
Greenville, Mo	37 07	90 30	1859	O. D. Dalton.
Greenville, Tenn.—(See Walnut Grove.)				
Greenville, Texas	33 10	97 22	1859	R. Dejernett.
Greenwood, Dakota Ter	42 52	98 24	1859	F. Norvell.
Grenada, Miss	33 46	89 53	1859	Albert Moore.
Gautemala, Central America	14 37	30 30	1857,'58,'59	Antonio Canudas.
Halifax, Nova Scotia	44 39	63 36	1854	Meteorological Papers, British Board of Trade.
Halifax, Nova Scotia	44 39	63 37	1859	R J. Nelson.
Hamilton, Canada	43 15	79 57	1854,'55,'57,'58,'59	Dr. William Craigie.
Hamline University, Minn.—(See Red Wing)				
Hannibal, Mo.	39 44	91 23	1854,'55	O. H. P. Lear.
Hannibal, Mo.	39 45	91 28	1856	Edward Duffield, M. D.
Hanover, N. H., (Dartmouth College)	43 42	72 17	1854	Prof. Ira Young and Albert A. Young.
Hardinsburg, Ky., (Mt Alba College)	37 45	86 24	1859	Mrs. Mary A. Waller and J. C. Barbage.
Harrisburg, Pa	40 16	76 50	1854,'55,'56,'57,'58,'59	Dr. John Heisely.
Harrisburg, Pa	40 16	76 55	1857,'58	W. O. Hickok.
Harrisonville, Mo	38 36	94 17	1859	John Christian.
Hartland, Me.	44 51	69 30	1859	E. E. Brown and S. W. Hall.
Hartland, Me.	44 51	69 30	1859	Rev. H. B. Marshall and L. S. Strickland.

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Hartwood, Va.—(See Falmouth.)	° ′	° ′		
Harvard University, Mass.—(See Cambridge.)				
Havana, Ala.—(See Greene Springs.)				
Havana, N. Y.	42 20	76 54	1859	E. C. Frost.
Hazlewood, Minn	45 00	95 30	1854,'55,'56,'57,'58,'59	Rev. S. R. Riggs.
Helena, Texas	29 00	97 56	1857	John C. Brightman.
Henrietta, N. Y.	43 06	77 51	1859	A. S. Wadsworth.
Hermann, Mo.	38 40	91 27	1859	Philip Weber.
Hernando, Miss	36 48	89 55	1859	William M. Johnston, M. D.
Hibernia, Fla	30 15	81 30	1857,'58	F. L. Batchelder.
Hill Grove, Va —(See Fork Union.)				
Hillsborough, Ga	33 13	83 45	1857,'58	Eli S. Glover.
Hillsborough, Ill	39 12	89 26	1858	John S. Titcomb.
Hillsborough, Ohio	39 00	-------	1859	J. W. Gamble.
Hillsborough, Ohio	-------	-------	1857	C. C Janes.
Hillsborough, Ohio	39 13	83 30	1854,'55,'56,'57,'58,'59	Joseph McD. Mathews, D. D.
Hiram, Ohio	41 20	81 15	1855	Rev. Spencer L. Hillier.
Hiram, Ohio	41 20	81 15	1856,'57,'58,'59	S. M. Luther.
Hocking Port, Ohio	39 18	81 41	1859	John Rhodes, M. D.
Holliday's Cove, Va	40 22?	80 31?	1858	B. D. Sanders.
Holland, Mich.	42 45	86 11	1856	L. H. Streng.
Homer, N. Y.	42 38	76 11	1856	E. G. Reed.
Honcut Creek, Cal.—(See Union Ranche.)				
Hornersville, Mo	36 03	90 00	1859	W. H. Horner.
Hopewell, N. Y.—(See Wilson.)				
Horta, Fayal, Azores	38 30	28 42	1856,'57	S. W. Dabney.
Horton, Nova Scotia —(See Wolfville.)				
Houseville, N. Y	43 40	75 32	1854,'56,'57,'58,'59	Walter D. Yale.
Hudson, Ohio, (Western Reserve College)	41 15	81 24	1858,'59	Prof. Charles A. Young and E. W. Childs.
Huntersville, Va.	39 30	80 31	1854,'56	William Skeen.
Huntsville, Texas	30 41	95 29	1854	——— ———.
Huntsville, Texas	-------	-------	1858,'59	T. Gibbs.
Huron, Ohio	41 25	82 40	1854	Edmund W. West.
Iberia, Ohio	40 46	82 51	1859	S. T. Boyd.
Ilion, N. Y.	43 01	75 14	1859	J. D. Ingersoll.
Illinois Institute, Ill.—(See Wheaton.)				
Independence, La.—(See Tickfaw Station.)				
Indian Agency, Dakota Ter.—(See Greenwood.)				
Iowa City, Iowa	41 39	91 33	1856	Herman H. Fairall.
Iowa City, Iowa	41 39	91 33	1857,'58	Dr. William Reynolds.
Ireland Island, Bermuda	32 20?	64 45	1859	John G. Calder.
Jackson, Miss.	32 00	90 00	1854	A. R. Green.
Jackson, Miss.	32 23	90 08	1855	Hatch & Co.
Jackson, N. C.—(See Thornbury.)				
Jackson, Jackson county, Ohio	39 07	82 30	1854,'55	George L. Crookham.
Jackson, Jackson county, Ohio	39 10	82 32	1855,'57,'58	Moses Gilmor.
Jackson, Monroe county, Ohio	39 34	80 56	1857,'58,'59	Enoch D. Johnson.
Jackson, Jackson county, Ohio	39 07	82 30	1855	S. B. Wood.
Jacksonport, Ark	35 36	91 15	1859	Dr. G. A. Martin.
Jacksonville, Fla	30 30	82 00	1854,'55,'56,'57,'58,'59	Dr. A S. Baldwin.
Jacksonville, Ill.	39 48	90 19	1858,'59	Timothy Dudley.
Janesville, Wis	42 42	89 91	1854,'55,'56,'57,'58	J. F. Willard.
Janesville, Wis.	42 42	89 91	1859	George J. Kellogg.
Jefferson Barracks, Mo.	38 37	90 16	1854	——— ———.
Jefferson, Ohio	42 00	81 00	1856,'57,'58	James D. Herrick.
Jefferson, Texas	32 44	94 20	1859	W. T. Epperson.
Jerusalem, Palestine	31 47	35 13 E	1858,'59	Dr. R. G. Barclay.
Kanawha, Va.	38 53	81 25	1856,'57	David L. Ruffner.
Kanawha, Va.	38 53	81 25	1858,'59	W. C. Reynolds.
Kanawha Salines, Va.—(See Poplar Grove.)				
Kandotta, Minn.	45 45	94 55	1859	Edwin Whitefield.
Kanosha, Neb.	40 51	95 53	1859	Bela White.
Kaufman, Texas	32 37	96 20	1859	James T. Rayel.
Keene, Ohio	40 23	81 53	1854	E. Spooner.
Kelley's Island, Ohio	41 36	82 43	1859	George C. Huntington.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Kendallville, Ind	40 28	85 13	1854	J. Knauer & W. B. Coventing.
Kenosha, Wis	42 35	87 50	1856, '57, '58, '59	Rev. John Gridley.
Keokuk, Iowa	40 25	91 21	1854, '55	Dr. J. E Ball and Mrs. Ida E. Ball.
Key West, Fla.—(See Salt Ponds)				
King's College, Nova Scotia. (See Windsor)				
Kingsley's, Penn.—(See Moss Grove.)				
Kirksville, Mo	40 11	92 33	1859	Dr. Robert Byers.
Knox Hill, Fla	30 30	86 01	1854, '55	John Newton.
Knoxville, Tenn., (East Tennessee University.)	35 59	83 54	1854, '55, '56	Prof. George Cooke and Prof. T. L. Griswold.
Laconia, N. H	.....	.....	1857, '58, '59	Josiah B. French.
Lac qui Parle, Minn.—(See Hazlewood.)				
Lafayette, Ind	40 25	86 49	1854	A. H. Bixby.
Lafayette College, Penn.—(See Easton)				
La Grange, Ga	33 02	84 55	1855	——— ———.
La Grange, Tenn	.....	.....	1859	J. R. Blake.
Lake City, Fla.—(See Alligator)				
Lake George, Mich	46 15?	85 00?	1859	Captain A. W. Whipple and Edward Perrault.
Lake Mills, Wis	43 00	89 00	1859	Isaac Atwood.
Lake, N. Y	43 15	73 33	1856, '57, '58	Peter Reid.
Lake Village, N. H	.....	.....	1857, '58, '59	Josiah B French.
Lake Washington, Miss	33 00	91 06	1854	Rev J. Avery Shepherd.
Lake Winnibigoshish, Minn	47 30	94 40	1856, '57	Rev. Benjamin F. Odell.
Lambertville, N. J	40 23	74 56	1854, '55, '56, '57, '58, '59	Lemuel H. Parsons.
Lancaster, Mo	40 30	92 30	1859	John M. Weatherford.
Lancaster, Ohio	39 40	82 40	1857, '59	Lewis M. Dayton.
Lancaster, Ohio	39 40	82 40	1858	H. W. Jaeger.
Lancaster, Ohio	39 46	82 36	1859	W. E. Davis.
Lancaster, Penn.—(See Shamokin.)				
Lancaster Colliery, Penn.—(See Shamokin.)				
Lansing, Mich, (State Agricultural College)	42 44	84 15	1858, '59	J. C. Holmes and Cleveland Abbe.
Lapham, Minn	46 10	96 00	1857	E M. Wright.
Lapham, Minn	46 10	96 00	1858	Sam'l Locke and F. McMullin.
Larissa, Texas	31 45	95 50	1858, '59	F. L. Yoakum.
Lawrence, Kansas	38 58	95 12	1857, '58, '59	G. W. Brown.
Lawrence, Mass	42 42	71 11	1856, '57, '58, '59	John Fallon.
Lawrence University, Wis.—(See Appleton.)				
Leavenworth City, Kansas	39 20	94 33	1858, '59	E. L. Berthoud.
Leavenworth City, Kansas	39 20	94 33	1857, '58, '59	H. D. McCarty
Lebanon, Ill., (McKendree College)	38 37	89 56	1859	Rev. Nelson E. Cobleigh, D. D.
Lebanon, Tenn., (Cumberland University)	36 15	86 15	1854, '55	Prof. Alex. P. Stewart and Prof Benjamin C. Jillson.
Lecompton, Kansas	39 02	95 10	1859	Dr. William Y. Ellis.
Leitersburg, Md., (near)	39 35	77 30	1858, '59	Jacob E. Bell.
Leonardtown, Md	38 17	76 43	1858, '59	Dr. Alexander McWilliams.
Leroy, N. Y	42 57	78 07	1854	L. F. Munger.
Lewinsville, Va	38 56	77 04	1858, '59	Rev. Charles B. McKee.
Lewisburg, Pa, (University)	40 58	76 58	1856, '57, '58, '59	Prof. Charles S. James.
Lewisburg, Va	38 00	80 00	1854, '55, '56, '57, '58, ,59	Thomas Patton, M. D.
Lewisburg, Va	38 00	80 00	1859	J. W. Stalnaker.
Lexington, Ky	38 06	84 18	1859	Rev. S. R. Williams.
Lexington, Mo	39 10	93 50	1859	Joseph A. Wilson.
Liberty, N. Y	41 45	74 46	1856	John Felt, jr.
Lima, Pa.—(See Chromedale.)				
Limington, Maine	43 40	70 40	1859	W. G. Lord.
Lind, Wis	44 20	89 00	1857, '58	R. H. Struthers.
Linden, Pa	41 10	77 11	1858, '59	James Barrett.
Lisbon, Maine	44 00	70 04	1859	Asa P. Moore.
Livingston, Ala	32 35	88 19	1859	Rev. Stephen U. Smith.
Livingston, Ala	32 38	88 14	1859	Dr. Robert D. Webb.
Lockport, N. Y	43 10	78 51	1858	E. S. Holmes.
Lodi, N. Y	42 37	76 54	1854, '55, '56, '57, '58, '59	John Lefferts.
Logansport, Ind	40 15	86 25	1854	E. L. Berthoud.
Logansport, Ind	40 15	86 14	1857, '58	Charles B. Lasselle.
Logansport, Ind	40 45	86 14	1859	Isaac Bartlett.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Londonderry, N. H	42 53	71 20	1854, '55, '56, '57	Robert C. Mack.
Longwood, Va	37 30	79 31	1857	Thomas J. Wickline.
Louisville, Ky	38 03	85 30	1858, '59	Rev. S. R. Williams.
Louisville, Ky., near.—(See Springdale.)				
Lovers' Point, Md.—(See Leonardtown)				
Lowville, N. Y	43 46	75 38	1854	Ira R. Adams.
Lowville, N. Y	43 46	75 38	1855, '56, '57	J. Carroll House.
Lunatic Hospital, Mass.—(See Worcester.)				
Lunenburg, Vt	44 28	71 41	1859	Hiram A. Cutting.
Luray, Mo., near	40 28	91 55	1859	B P. Hanan.
Lynchburg, Va	36 39	79 07	1854	A Nettleton.
Lynde Point Light-house, Con —(See Saybrook.)				
Lyons City, Iowa	41 50	90 10	1859	A. T. Hudson, M. D.
Lyons, N. Y	43 04	77 01	1859	E. Ware Sylvester.
McKendree College, Ill.—(See Lebanon.)				
Madison, Ind	38 15	85 00	1854, '55, '58	Charles Barnes.
Madison, Ohio	41 49	81 10	1857, '58, '59	Rev. L. S. Atkins.
Madison, Ohio	41 52	81 00	1854, '55, '56, '57, '58, '59	Mrs. Ardelia C. King.
Madison, Wis	43 05	90 13	1856, '57	A. Schue, M D.
Madison, Wis., (Wisconsin University)	43 05	89 25	1854, '55, '56, '57, '58, '59	Profs S. H Carpenter and J W. Sterling.
Madrid, N. Y	44 43	75 33	1854, '55, '56, '57, '58, '59	E. A Dayton.
Manchester, Ill	39 33	90 34	1854, '55, '56, '57, '58, '59	John Grant.
Manchester, N. H	42 59	71 28	1854, '55, '56, '57, '59	Samuel N Bell.
Manhattan, Kansas	39 13	96 45	1857, '58, '59	Isaac T. Goodnow.
Manhattan, Kansas	39 13	96 45	1859	Rev N. O. Preston.
Manitowoc, Wis	44 07	87 37	1856, '57, '58, '59	Jacob Lüps
Mapleton, Kansas	38 04	94 51	1857, '58	Dr. S. O. Himoe.
Maquoketa, Iowa	42 01	90 41	1857	E. F. Hobart.
Marengo, Ill	42 14	88 38	1856, '57, '58, '59	O. P. and J. S. Rogers.
Marietta, Ohio	39 25	81 29	1854, '55	Prof. J. W. Andrews.
Marion, Ohio	40 36	83 12	1859	T. Chase.
Marlborough, N. C	35 28	75 36	1858	Robert H Drysdale.
Marquette, Mich	46 32	87 41	1857	Peter White.
Marquette, Mich	46 32	87 41	1858, '59	G. H Blaker.
Marysville, Cal	39 12	121 42	1857, '58, '59	W. C. Belcher.
McGrawville, N. Y	42 54	76 11	1856, '57	J. Metcalf Smith.
Meadow Dale, Va	38 23	79 35	1857, '58	James Slaven.
Meadow Dale, Va	38 23	79 35	1859	Jesse B. Slaven.
Meadville, Pa	41 39	80 11	1855, '56, '57, '58	T. F. Thickstun.
Media, Pa —(See Chromedale.)				
Medina, Ohio	41 07	81 42	1857, '58	Rev. L. F. Ward.
Memphis, Tenn	35 06	90 08	1854	Navy Yard
Memphis, Tenn	35 08	90 00	1857, '58, '59	Drs. W. J. Tuck, Daniel F. Wright, and R. W. Mitchell.
Menasha, Wis	44 13	88 18	1857, '58	Col. D. Underwood.
Mendon, Mass	42 06	71 34	1854, '55, '56, '57, '58, '59	John George Metcalf, M. D.
Mexico City, Mexico	14 30	99 01	1856	Prof. L. C. Ervendberg.
Mexico, N. Y	43 27	76 14	1856, '57	John R. French.
Micanopy, Fla	29 35	82 31	1858, '59	Dr James B. Bean.
Michigan City, Ind	41 41	86 53	1857, '58	C. S Woodard
Michigan City, Ind	41 41	86 53	1859	William Woodbridge, under direction of Capt. Meade.
Middletown, Ct., (Wesleyan University)	41 33	72 39	1858, '59	Prof. John Johnson.
Milford, Del	38 55	75 27	1857, '58	Richard A Martin.
Millersburg, Ky	38 40	84 27	1854	Rev. J. Miller.
Millersburg, Ky	38 20	84 00	1855, '56, '57, '58, '59	Rev. George S Savage, M. D.
Milton, Ind	39 47	85 02	1854, '55	Dr. V Kersey.
Milwaukee, Wis	43 03	87 57	1854, '57, '58, '59	Increase A. Lapham, LL. D.
Milwaukee, Wis	43 04	87 38	1859	E P Larkin.
Milwaukee, Wis, (2 miles north of the city)	43 04	87 59	1855, '56, '57, '58, '59	F. C. Pomeroy.
Milwaukee, Wis	43 01	87 59	1855, '56, '57, '58, '59	Carl Winkler, M. D.
Minatitlan, Mexico	17 59	94 07	1858, '59	Charles Laszlo.
Mirador, Mexico	19 50	96 25	1854, '55, '56, '57, '58, '59	Charles Sartorius.
Mishawaka, Ind	41 39	86 02	1859	George C. Menifield.
Mobile, Ala, 6 miles west of	30 12	88 01	1859	Rev. Joseph John Nicholson.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Moneka, Kansas	38 19	94 49	1858,'59	John O. Wattles.
Monroe, Mich	41 58	83 24	1854,'55	Capt. A. D. Perkins.
Monroe, Mich	41 56	83 22	1854,'55,'56,'57,'58,'59	Miss Helen Irene Whelpley.
Monroe, Mich			1859	George W. Bowlsby.
Monroe Piers, Mich	41 53	83 19	1859	John Lane, under direction of Capt. Meade, Superintend't of Lake Survey.
Monroeville, Ala	31 33	87 25	1854,'55	S. J. Cumming.
Monson, Maine	45 11	69 35	1856,'57,'58	Benjamin F. Wilbur.
Montcalm, Va	38 05	78 21	1854,'55	Charles J. Meriwether.
Monterey, Cal	36 40	121 55	1859	Colbert A. Canfield, M. D.
Montgomery, Ala	32 25	86 22	1858,'59	Rev. J. Avery Shepherd.
Montgomery, Ala	32 25	86 22	1859	William S. Foster.
Montreal, Canada	45 30	73 36	1855,'56,'57,'58,'59	Archibald Hall, M. D.
Montross, Va	38 07	76 46	1856,'57	H. H. Fauntleroy.
Montross, Va	38 07	76 54	1858,'59	E. E. Spence.
Mount View, Va	38 00	78 30	1859	J. Ralls Abell.
Montville, Ohio	41 07	81 47	1858,'59	William P. Clark.
Moorestown, N. J	39 58	75 02	1859	Miss E. E. Thornton.
Moose Factory, Hudson Bay Territory	51 15	80 45	1857,'58,'59	John Mackenzie.
Moquelumne Hill, Cal	38 18	120 28	1859	Wesley K. Boucher.
Morrisania, N. Y., (Fairmount Institute)	40 53	74 01	1856,'57,'58,'59	J. S. Gorton and Joseph Zaepffel.
Morristown, N. J	40 48	74 33	1859	William Day.
Morrisville, Pa	40 12	74 53	1854,'55,'56,'57,'58,'59	Ebenezer Hance.
Morrisville, Pa	40 12	74 53	1859	Mahlon Moore.
Mosinee, Wis	44 44	89 35	1859	Dr. J. S. Pashley.
Moss Grove, Pa	41 40	79 51	1854,'55,'56,'57	Francis Schreiner.
Moss Grove Plantation, La.—(See Trinity.)				
Mossy Creek, Va	38 20	79 05	1856,'57,'58	Jed. Hotchkiss.
Mosul, Mesopotamia, Asia	36 22	43 14 E	1854,'55	
Moulton, Ala	34 32	87 25	1859	Ashley D. Hunt.
Mount Alba College, Ky.—(See Hardinsburg.)				
Mount Joy, Pa	40 08	77 32	1857,'58,'59	Dr. J. R. Hoffer.
Mount Pleasant, Ohio	40 20	80 32	1859	David H. Tweedy.
Mount Pleasant, S. C	32 47	79 55	1857	Dr. Edward N. Fuller.
Mount Solon, Va	38 00?	79 00?	1856	James T. Clarke.
Mount Union, Ohio	41 20	81 01	1857,'58,'59	Newton Anthony.
Mount Vernon, Iowa, (Cornell College)	42 00	91 00	1856,'57	Prof. B. Wilson Smith.
Mount Vernon, Ohio	40 25	82 31	1854,'55	F. A. Benton.
Mount Washington, N. H	44 15	71 16	1859	Joseph S. Hall.
Murfreesborough, N. C	36 30	77 06	1856,'57,'58,'59	Rev. A. McDowell.
Murrysville, Pa	40 28	79 35	1857,'58,'59	Thomas H. Stewart.
Muscatine, Iowa	41 26	91 05	1854,'55,'56,'57,'58,'59	Theodore S. Parvin.
Mustapha, Va	39 20	81 41	1856,'57,'59	James Frazer.
Nantucket, Mass	41 16	70 06	1854,'55,'56,'57,'58,'59	Hon. William Mitchell.
Naperville, Ill	41 46	88 10	1859	Milton S. Ellsworth and Lewis Ellsworth.
Nashata Lake, Wis.—(See Delafield.)				
Nassau, Bahamas, W. I	25 05	77 02	1858,"59	A. M. Smith.
Natchez, Miss	31 34	91 24	1856	J. Edwards Smith.
Natchez, Miss	31 34	91 25	1858,'59	Robert McCary.
Nazareth, Pa	40 43	75 21	1855,'56,'57,'59	Hermann A. Brickenstein and J. C. Harvey.
Nebraska City, Neb	40 40	95 43	1859	E. E. Mason.
Nengenenge, Africa	0 00	10 20 E	1855	Rev. A. Bushnell.
Neosho Falls, Kan	38 03	95 31	1859	B. F. Goss.
New Albany, Ind	38 17	85 45	1856,'57	Charles Barnes.
New Albany, Ind	38 17	85 45	1859	Dr. Alexander Martin.
Newark, Del	39 38	75 47	1854,'55,'56,'57,'58	Delaware College.
Newark, Mich	42 30?	86 00?	1856	L. H. Streng.
Newark, N. J	40 45	74 10	1854,'55,'56,'57,'58,'59	W. A. Whitehead.
Newark, Ohio	40 06	82 28	1855	Lewis M. Dayton.
Newark, Ohio	40 06	82 28	1859	Israel Dille.
New Bedford, Mass	41 39	70 56	1854,'55,'56,'57,'58,'59	Samuel Rodman.
Newburyport, Mass	42 47	70 52	1854,'55,'56,'57,'58	H. C. Perkins, M. D.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
New Braunfels, Texas	29 42	98 15	1854,'55	Prof. L. C. Ervendberg.
New Braunfels, Texas	29 42	98 15	1856,'57	Rev. J. L. Forke.
New Braunfels, Texas	29 42	98 15	1858,'59	Otto Friedrich.
New Brunswick, N. J	40 30	75 31	1859	Edwin Allen.
New Buffalo, Mich	41 45	86 46	1857,'58,'59	J. B Crosby.
New Castle, Maine	44 07	69 36	1859	Charles L. Nichols.
New Creek Depot, Va	39 25	79 00	1854	M. McDonald.
New Danemora, Wis	44 17	90 38	1858,'59	Emil Haeuser.
New England, Va.—(See Mustapha.)				
New Harmony, Ind	38 08	87 50	1854,'55,'56,'57,'58,'59	John Chappellsmith.
New Haven, Ct	41 18	72 57	1859	H. G. Du Bois, jr.
New Lisbon, Ohio	40 45	80 46	1855	——— ———.
New Lisbon, Ohio	40 45	80 46	1857,'58,'59	J. F. Benner.
New London, Ct	41 21	72 03	1854,'55,'56,'57,'58	Rev. Tryon Edwards, D. D.
New London, Wis	44 21	88 45	1856,'57,'58	J. Everett Breed.
New Orleans, La	29 57	90 00	1854,'55,'57	E. H. Barton, M. D.
New Orleans, La	29 57	90 00	1856,'57,'58,'59	Lewes B. Taylor.
New Wied, Texas —(See New Braunfels.)				
New York city, N. Y	40 42	74 01	1854	J. C. Gibbons.
New York city, N. Y., (Deaf and Dumb Inst.)	40 43	74 05	1854,'55,'56,'57,'58,'59	Prof. O. W. Morris.
Nichols, N. Y	42 00	76 32	1857,'58,'59	Robert Howell.
Nolin, Ky	37 10	85 35	1858	John Grinnell.
Norristown, Pa	40 08	75 19	1854,'55,'56,'57,'58,'59	Rev. J. Grier Ralston.
North Attleborough, Mass	41 52	71 23	1854,'55,'56,'57	Henry Rice.
North Barnstead, N. H	43 38	71 27	1856,'57,'58	R. F. Hanscam.
North Belgrade, Me	44 30	69 53	1859	Almond H. Wyman.
North Bend, Ohio	39 08	84 35	1859	A. A. Warder.
North Littleton, N. H	44 20	71 49	1859	Rufus Smith.
North Salem, N. Y	40 20	73 38	1856	Mrs. M. J. Lobdell.
North Scituate, R. I	41 50	71 34	1854	Henry C. Sheldon.
North Whitehall, Pa	40 40	75 26	1856,'57,'58,'59	Edward Kohler.
Northwood, Ohio	40 28	83 45	1854,'57,'58,'59	Rev. Robert Shields and J. C. Smith.
Norwalk, Ohio	41 13	82 43	1854,'55	Gustavus A Hyde.
Norway, Maine	44 12	70 39	1859	G. W. Verrill, jr.
Norway, Wis	42 50	88 10	1856,'57	John E Himoe.
Norwich, Ct	41 32	72 03	1856,'57,'58	N. Scholfield.
Norwich, Vt	43 42	72 21	1856,'57,'58,'59	Prof. A. Jackman.
Notre Dame, Ind	41 45	86 10	1858,'59	Thomas Vagnier.
Oak Grove, Maine.—(See Vassalborough.)				
Oakland, Md	39 40	79 00	1857,'58	L. R. Cofran.
Oakland Station, Pa.—(See Pittsburg.)				
Oberlin, Ohio	41 20	82 15	1854,'55,'56,'57	Prof. J. H. Fairchild.
Oberlin, Ohio	41 20	82 15	1857	Prof. George N. Allen.
Ogdensburg, N. Y.	44 43	75 26	1854,'55,'56,'57,'58,'59	William E Guest.
Oldtown, Maine	44 48	68 45	1854,'55	Rev. Samuel H. Merrill.
Omaha, Neb	41 15	96 10	1857,'58,'59	William N Byers.
Omaha, Neb	41 15	96 10	1859	John G. Rain.
Ontonagon, Mich	46 52	89 30	1859	Henry Shelby, under direction of Captain Meade, Superintendent Lake Survey.
Open Prairie, Ill.—(See Bruce.)				
Orange Hill, Fla.—(See Knox Hill.)				
Oregon City, Oregon	———	———	1857,'58,'59	G. H. Atkinson.
Orville, Ala	32 24	87 06	1859	Samuel K. Jennings, M. D.
Orchard Farm, Ill.—(See Pekin.)				
Oswego, N. Y	43 25	76 35	1854	J. H. Hart.
Oswego, N. Y	43 28	76 34	1855,'56,'57,'58,'59	William S. Malcolm.
Otsego, Mich	42 27	85 40	1859	Matthew Coffin.
Otsego, Wis	43 27	89 13	1859	L. H. Doyle.
Ottawa, Ill	41 20	88 47	1854,'55,'56,'57,'58,'59	Dr. J. O. Harris.
Ottawa Point, Mich	44 16	83 25	1858,'59	John Oliver, under direction of Captain Meade, Superintendent Lake Survey.
Ovid, N. Y., (Seneca Collegiate Institute)	42 41	76 52	1855,'56,'57,'58	J. W. Chickering.
Oxford, Miss., (University of Mississippi	34 20	89 25	1854,'55,'56	Prof. L. Harper.

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	° ′	° ′		
Paducah, Ky	37 06	88 36	1859	A. Mattison.
Palmyra, Mo., (St. Paul's College)			1856, '57	G. P. Comings, Missouri Geological Survey.
Paradise, Pa	40 00	76 08	1854, '55, '56, '57, '58	Jacob Frantz.
Pardeeville, Wis	43 29	89 14	1859	S Armstrong.
Paris, Ky	38 16	84 07	1856, '57, '58, '59	L G Ray, M. D.
Paris, Mo	39 30	92 00	1859	William F. Maxey.
Parson's Seminary, Texas.—(See Webberville.)				
Patoka, Ind	38 28	87 26	1859	A. P. Turner.
Paulding, Miss	32 03	89 10	1858, '59	Rev E. S. Robinson.
Peach Grove Lodge, Va	39 15	81 00	1856	Walter C. Quincy.
Peach Lawn, Va —(See Falmouth)				
Pekin, Ill	40 36	89 45	1856, '57, '58, '59	J. H. Riblet.
Pella, Iowa	41 30	92 55	1854, '55, '56	E. H. A. Scheeper.
Penn Yan, N. Y.	42 42	77 11	1854, '55, '56, '57, '58, '59	Dr. H. P. Sartwell.
Pensacola, Fla —(See Warrington)				
Peoria, Ill	40 36	89 30	1856, '57. '58, '59	Frederick Brendell, M D.
Perry, Me	45 00	67 06	1854, '55, '56, '57, '58, '59	William D. Dana.
Perrysburg, Ohio	41 39	83 40	1854, '55, '56, '57, '58	F. and D. K. Hollenbeck.
Perryville, Ark	35 00	92 46	1858	Harmon F. Hardy.
Perryville, Ark	35 00	92 46	1859	William H Blackwell.
Philadelphia, Pa., (Central High School)	39 57	75 11	1854, '55, '56, '57, '58, '59	Prof James A Kirkpatrick.
Phillipstown, N. Y —(See Beverly.)				
Philomath, Ga	33 45	83 15	1857	James M. Reid.
Piasa Farms, Ill.—(See Brighton)				
Pilot Prairie, Ark.—(See Waldron)				
Pine Fork of Short Creek, Ohio.—(See Mount Pleasant.)				
Pine Hill, 6 miles N. E. from Buffalo, N. Y.—(See Buffalo, Zimmerman)				
Pine Land Village, Fla.—(See Belair.)				
Pin Oak, Texas	30 00	97 15	1856	W H. Gantt, M. D.
Pioneer Grove, Neb.—(See Omaha, Rain.)				
Pittsburg, Pa	40 30	80 00	1854, '55, '57, '58, '59	Marine Hospital.
Pittsburg, Pa , (Oakland Station)	40 32	80 02	1854, '55, '56, '57, '58	W. W. Wilson.
Plainfield, Mass	42 30	72 56	1857	Francis Shaw.
Plainville, N. Y	43 00	77 16	1856, '57	J. H. Norton
Platteville, Wis	42 45	90 00	1854, '55, '56, '57, '58, '59	Dr J. L Pickard.
Platteville, Wis	42 45	90 00	1859	A. K Johnson.
Plattsburg, N. Y	44 40	73 26	1856	Joseph W. Taylor.
Pleasant Plain, Iowa	41 07	91 54	1856, '57, '58, '59	Townsend McConnel.
Pleasant Ridge, Pa.—(See Bendersville.)				
Plum Spring, Iowa.—(See Poultney)				
Pocopson, Pa	39 54	75 37	1854, '55, '56, '57, '58, '59	Fene'on Darlington.
Point Coupee, La., (Goydras College)	30 42	91 30	1859	A. W. Jackson, M. D.
Point Lookout, Md —(See Ridge.)				
Point Pleasant, Va	38 50	82 31	1858, '59	W. R. Boyers.
Pomfret, Ct	41 52	72 00	1854, '55, '56, '57, '58, '59	Rev. Daniel Hunt.
Pomona, Tenn	36 00	85 00	1859	J. W. Dodge & Son.
Pompey, N. Y	42 52	76 09	1857, '58	S Marshall Ingalls.
Pompey Hill, N. Y	42 52	76 09	1856	John F. Kendall.
Poplar Grove, Va	38 20	81 21	1856, '57, '58, '59	James E. Kendall.
Port Gibson, Miss , (Elliott Academy)	31 51	91 02	1855, '56, '57	Prof. J. Boyd Elliott.
Port Huron, Mich	42 53	82 24	1857, '58, '59	James Allen.
Portland, Me	43 37	70 19	1855, '56, '57, '58, '59	Henry Willis.
Portland, Me	43 39	70 15	1859	J. W. Adams
Portland, Oregon	45 24	121 30	1858, '59	George H. Stebbins.
Port La Vaca, Texas	28 40	96 45	1859	James Gardiner.
Port of Spain, Trinidad, W. I	10 39	61 34	1856, '57	Geological Surveyors.
Portsmouth, Ohio	38 50	82 49	1856, '57, '58	James H. Poe.
Portsmouth, Ohio	38 50	82 49	1859	D. B. Cotton.
Portsmouth, Va	36 50	76 19	1854, '56, '57, '58, '59	Prof. N. B. Webster.
Pottsville, Pa	40 41	76 24	1855	Dr. A. Heger.
Pottsville, Pa	40 41	76 09	1857	Rev. B. R. Smyser.
Pottsville, Pa	40 41	76 09	1858	D. Washburn.
Poultney, Iowa	42 40	91 21	1854, '55, '56, '58, '59	Rev. Benjamin F. Odell.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Poydras College, La.—(See Point Coupee.)				
Prairie Glen Farm, Mo.—(See Kirksville.)				
Prescott, Wis.	44 56	92 40	1857	Rev. Spencer L. Hillier.
Preston, Texas	33 47	96 35	1859	James E. Moke.
Princeton, Mass	42 28	71 53	1854, '55, '56, '57	John Brooks.
Princeton, Minn	45 50	93 45	1856, '57, '58, '59	O. E. Garrison.
Providence, R. I., (Brown University)	41 49	71 25	1854, '55, '56, '57, '58, '59	Prof. Alexis Caswell.
Quasqueton, Iowa	42 23	91 43	1854, '55, '56	Dr. Edwin C. Bidwell.
Racine, Wis	42 49	87 40	1856, '57, '58	W. J. Durham.
Racine, Wis			1856	E. Seymour.
Raleigh, N. C	35 47	78 48	1859	W. H. Hamilton and T. Carter.
Randolph, Pa	41 28	80 10	1854, '55, '56	C. T. Hobbs.
Ravenna, Ohio.—(See Freedom.)				
Reading, Pa	40 19	75 56	1858	J. Burd Peale, M. D., and Charles Hahn.
Red Lake, Minn	48 30	95 30	1854	Rev. E. W. Carver.
Red River Settlement, Hudson's Bay Terr'y.	50 06	97 00	1855, '56, '57, '58, '59	Donald Gunn.
Red Wing, Minn., (Hamline University)	44 34	92 30	1855, '56	Rev. Jabez Brooks.
Rhineland, Mo	38 46	91 46	1859	Charles Vogel.
Richland, Iowa.—(See Forestville.)				
Richmond, Ind	39 47	84 47	1854, '58, '59	W. W. Austin.
Richmond, Ind	39 47	84 47	1856, '57, '58, '59	Joseph Moore.
Richmond, Ind	39 47	84 46	1859	John Haines.
Richmond, Mass	42 23	73 20	1854, '55, '56, '57, '58, '59	William Bacon.
Richmond, Mo	39 12	93 56	1859	Rufus W. Finley.
Richmond, Ohio	40 20	81 01	1854, '55	Jacob M. Desellem.
Richmond, Va., near.—(See Westwood.)				
Richmond Hill, Ga., 5 miles from Augusta.	33 30	82 01	1854	W. Schley, jr.
Ridge, Md	38 05	76 18	1856, '57	T. G. Stagg.
Rigolet, Labrador	54 00	55 00	1857, '58, '59	Henry Connolly.
Riley, Ill	42 08	88 33	1856, '57, '58, '59	E. Babcock.
Ripley, Ohio	38 47	83 31	1857, '58, '59	J. Ammen.
Rocheport, Mo	38 55	92 38	1856	Charles Q. Chandler, M. D.
Rochester, N. Y	43 08	77 51	1856, '57	William Harkness.
Rochester, N. Y	43 08	77 51	1856, '57, '58, '59	Prof. Chester Dewey, LL. D.
Rochester, N. Y	43 08	77 51	1859	M. M. Mathews, M. D.
Rockport, Ohio	41 31	81 53	1859	Edward Colbrunn.
Rockville, Ind	39 46	87 06	1859	H. H. Anderson and J. W. Tenbrock.
Rocky Run, Wis.	43 26	89 19	1859	W. W. Curtis.
Romeo, Mich	42 44	83 00	1856, '57	Seth L. Andrews, M. D.
Rose Hill, Va	38 00	76 57	1857, '58, '59	George Wythe Upshaw.
Rossville, Iowa	43 10	91 21	1857, '58, '59	Carlisle D. Beeman.
Rougemont, Va	38 05	78 21	1856, '57, '58, '59	George C. Dickinson.
Roundtop, Texas			1859	Bruno Schuman.
Rupert, Vt	43 15	73 11	1857, '58, '59	Joseph Parker.
Ruthven, Va	37 21	77 33	1856, '57, '58, '59	Julian C. Ruffin.
Sackett's Harbor, N. Y	43 55	75 57	1859	Henry Metcalf, under direction of Capt. Meade, Superintendent Lake Survey.
Sacramento, Cal	38 34	121 40	1854, '55	F. W. Hatch, M. D.
Sacramento, Cal	38 34	121 40	1854, '55, '56, '57, '58, '59	Thomas M. Logan, M. D.
Sag Harbor, N. Y	41 00	72 20	1854, '55, '56, '57, '58	Ephraim N. Byram.
St. Anthony's Falls, Minn	45 00	93 15	1854	Dr. C. L. Anderson.
St. Augustine, Fla	29 48	81 35	1855, '56, '57, '58, '59	P. B. Mauran, M. D.
St. Croix, (Falls of,) Wis	45 30	92 40	1857	Marine T. W. Chandler.
St. Croix, (Falls of,) Wis	45 30	92 40	1858	William M. Blanding.
St. Francisville, La	30 49	91 27	1856	B. R. Gifford.
St. George's, Bermuda	32 23	64 40	1857, '58, '59	Royal Engineers.
St. Inigoes, Md.—(See Ridge.)				
St. Inigoes, Md.—(See St Mary's City.)				
St. James, Mich	45 44	85 27	1854, '55, '56	James J. Strang.
St. John's, Newfoundland	47 35	52 38	1856, '57, '58, '59	John Delaney & Sons.
St. John's, S. C	33 00	80 00	1854, '56, '58, '59	T. P. Ravenel.
St. Johnsbury, Vt	44 25	72 00	1854, '55, '57, '58, '59	James K. Colby and Franklin Fairbanks.
St. John's College, N. Y.—(See Fordham.)				

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
St. Joseph's, Minn	48 55	98 00	1854	Rev. D. B. Spencer.
St. Joseph's, Minn	48 55	98 00	1855	O. A. Kellum.
St. Joseph's, Mo	39 40	94 40	1857,'58	Edward B. Neely, Missouri Geological Survey.
St. Louis, Mo	38 37	90 16	1854,'55,'56,'57,'58,'59	George Engelmann, M. D., and A. Wislizenus, M. D.
St. Louis, Mo	28 37	90 16	1859	Augustus Fendler.
St. Martin, Canada	45 32	73 36	1854,'55,'56,'57,'58,'59	Chs. Smallwood, M.D., LL.D.
St. Mary's, Iowa	41 00	95 45	1854	D. E. Read.
St. Mary's City, Md	38 10	76 41	1859	Rev. James Stephenson.
St. Mary's River, Mich	46 20?	84 10	1859	———— ————.
St. Paul's College, Mo.—(See Palmyra.)				
St. Vincent's Col., Mo.—(See Cape Girardeau.)				
Salem, N. J	39 34	75 27	1856	C. M. Dodd.
Salem, Oregon	44 55	122 45	1857	———— ————.
Salem, Va	39 20	80 01	1857,'58	J. Carson Wells.
Salisbury, Ct	42 00	73 18	1854	Dr. Ovid Plumb.
Salmon Falls, N. H	43 30	71 00	1854,'55	George B. Sawyer.
Salt Ponds, Fla., 2½ miles NE. from Key West.	24 33	81 48	1854,'55,'56,'57,'58,'59	William C. Pennis.
Sand Brook, N. J.—(See Sergeantsville.)				
Sandwich, Ill	41 31	88 30	1858,'59	N. E. Ballou, M. D.
San Francisco, Cal	38 00	122 00	1854,'55	H. Gibbons, M. D.
San Francisco, Cal	37 48	122 27	1856,'57,'58,'59	W. O. Ayres, M. D.
San Patricio, Texas	27 55	97 50	1859	James O. Gaffney.
Santa Clara, Cal., (University of the Pacific)	37 20	122 00	1859	Prof. Oliver S. Frambes.
Santa Clara, Cal	37 10	122 00	1859	S. A. Gould.
Saratoga, N. Y	43 06	74 00	1856,'57,'58,'59	Walter H. Riker.
Saugatuck, Mich	42 30	85 50?	1854,'55,'56	L. H. Streng.
Savannah, Ga	32 05	81 07	1854,'55,'56,'57,'58,'59	Dr. John F. Posey.
Savannah, Ga.—(See Whitemarsh Island.)				
Savannah, Ohio	41 12	82 31	1854,'55,'56,'57,'58,'59	Dr. John Ingram.
Saybrook, Ct., (Lynde Point light-house)	41 18	72 20	1854,'55,'56,'57,'58,'59	James Rankin.
Schellman Hall and Schellman Hills, Md.—(See Sykesville.)				
Schenectady, N. Y., (Union College)	42 49	73 55	1858,'59	Alexis A. Julien and Hubert A. Schauber.
Scioto, Ohio	38 40	81 49	1856	James H. Poe.
Selma, Ala	32 25	86 51	1858,'59	Samuel K. Jennings, M. D.
Seneca Collegiate Institute, N. Y.—(See Ovid.)				
Sennett, N. Y	43 00	76 55	1857	Henry B. Fellows.
Sergeantsville, N. J	40 29	75 03	1857,'58	John T. Sergeant.
Seville, Fla	30 29	84 07	1859	Lardner Gibbon.
Sewickleyville, Pa	40 27	80 09	1859	John J. Travelli.
Shamokin, Pa	40 45	76 31	1856,'57,'58,'59	P. Friel.
Sharonville, Ohio	33 12	84 35	1859	W. T. Bowen.
Shelburne, N. H	44 23	71 06	1856,'57,'58,'59	Fletcher Odell.
Shelburn, Vt	44 23	73 11	1856,'57	George Bliss.
Shelby Bay, Bermuda	32 28	64 32	1857	James B. Arnold.
Shelbyville, Ind	39 30	85 43	1859	J. T. Bulloch.
Sidney, Ohio	40 21	84 11	1856,'57	Joseph Shaw.
Sioux City, Iowa	42 31	96 25	1857,'58,'59	Dr. John J. Saville.
Sisterdale, Texas	29 54	98 35	1859	Ernst Kapp.
Sistersville, Va.—(See Jackson, Monroe Co., Ohio.)				
Smithfield, Va	37 02	76 37	1854,'55,'56,'57,'58,'59	Dr. John R. Purdie.
Smithville, N. Y	44 00	76 01	1854,'55,'56	J. Everett Breed.
Smithsonian Institution.—(See Washington, D. C.)				
Smithville Seminary, R. I.—(See North Scituate.)				
Somerset, Pa	40 02	79 02	1856	Frank Chorpenning, M. D.
Somerset, Pa	40 02	79 02	1857,'58,'59	George Mowry.
South Bend, Ind	41 37	86 08	1859	Miss Georgiana Webb and J. H. Dayton.
South Groton, Mass	42 34	71 30	1859	Alfred Collier.
South Pass, Ill	37 28	89 11	1857,'58	Frank Baker.
South Thomaston, Me	44 06	69 12	1854,'55	Joshua Bartlett.
Southwick, Mass	42 02	72 51	1854,'55,'56,'57	Amasa Holcomb.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	DATE OF OBSERVATION.	NAME OF OBSERVER.
	° ′	° ′		
Sparta, Ga	33 17	83 09	1854,'55,'56,'57,'58,'59	E. M. Pendleton, M. D.
Spencertown, N. Y	43 19	73 41	1851,'55,'56,'57,'58,'59	Rev. T. C. P. Hyde and others.
Springdale, Ky	38 07	85 24	1854,'55,'56,'57,'58,'59	Mrs. Lawrence Young.
Springfield, Mass	42 06	72 35	1854,'55,'56	Lucius C. Allin.
Springfield, Mass	42 06	72 35	1857,'58,'59	Francis A. Brewer.
Springfield, Mo	37 12	93 12	1857,'58	J. A. Stephens, Missouri Geological Survey.
Springfield, Texas	31 39	96 40	1859	T. A. Turner.
Spring Hill Institute, Ala.—(See Mobile.)				
Spring Hill, Ark	33 33	93 35	1859	P. F. Finley.
Spring Hill, Kansas	38 37	94 56	1859	Rev. J. H. Drummond.
Springvale, Wis.—(See Pardeeville.)				
Stanbridge, Canada East	45 00	73 00	1856,'57,'58,'59	J. C. Baker.
State Reform Farm, Ohio.—(See Lancaster.)				
Steuben, Me	44 44	67 50	1854,'55,'56,'57,'58,'59	J. D. Parker.
Stillwater, Minn	45 04	92 45	1858	A. Van Vorhes.
Stockton, Cal	37 57	121 14	1854,'56	Robert K. Reid, M. D.
Stockton, Mo	37 36	93 48	1859	William Wells.
Stratford, N. H	44 40	71 34	1855	William B. G. Brown.
Stratford, N. H	44 08	71 34	1856,'57	B. Gould Brown.
Stratford, N. H	44 08	71 34	1858,'59	Branch Brown.
Stratham, N. H	43 00	70 54	1859	Andrew Wiggin.
Stribling Springs, Va	38 17	79 12	1858,'59	Jed. Hotchkiss.
Sugar Grove, Pa	42 00	79 20	1854	W. O. Blodget.
Superior, Wis	46 38½	92 03½	1855	William H. Newton.
Superior, Wis	46 38	92 03	1856	L. Washington.
Superior, Wis	46 38	92 03	1859	William Mann.
Superior, Wis	46 38	92 03	1859	George R. Stuntz, under direction of Capt. Meade, Superintendent Lake Survey.
Sykesville, Md	39 23	76 57	1851,'55,'56,'57,'58,'59	Miss Harriott M. Baer.
Tallahasse, Fla.—(See Belair.)				
Tarentum, Pa	40 37	79 19	1856,'57,'58,'59	John H. Baird.
Tarrant, Texas	33 16	95 34	1859	Dr B. L. D'Spain and J. M. Ewing.
Taunton, Mass	41 49	71 09	1854,'55,'56	Albert Schlegel.
Texana, Texas	28 55	96 40	1859	William Coleman.
The Plains, Va	38 50	77 51	1859	John Pickett
The Rock, Ga	32 52	84 23	1854,'55,'56,'57	Dr. James Anderson.
Thomaston, Ga	32 56	84 30	1859	Dr. James Anderson.
Thomson, Ga	33 26	82 28	1858,'59	Dr. W. T. Grant.
Thornbury, N. C	36 20	77 21	1854,'55	Rev. F. Fitzgerald and Prof. Daniel Morrelle.
Thunder Bay Island, Mich	45 02	83 09	1858,'59	J. J. Malden, under direction of Capt. Meade, Supt. Lake Survey.
Tickfaw Station, La	30 30	90 32	1859	C. B Swasey.
Tiskilwa, Ill	41 15	89 30	1859	Verry Aldrich.
Toledo, Ohio	41 45	83 36	1859	E B. Raffensperger.
Toledo, Ohio, near.—(See Collingwood.)				
Topeka, Kansas	39 03	95 39	1858	F. W. Giles.
Topsham, Me	44 00	70 00	1859	Warren Johnson.
Toronto, Canada	43 39	79 21	1855,'56,'57,'58,'59	Magnetic Observatory.
Toronto, Mo.—(See Wet au Glaize.)				
Townsendville, N. Y.—(See Lodi.)				
Trenton, Mo., (5 miles S. W. of)	40 02	93 39	1859	Thomas A. Conkling.
Trinity, La., (near)	31 37	91 47	1856,'57,'58	Edward Merrill, M. D.
Trout Run Valley, Va.—(See Crack Whip.)				
Troy, N. Y	42 44	73 36	1854	Prof. E. H. Allen.
Troy, N. Y	42 44	73 36	1856,'57	Prof. Dascom Greene.
Troy Hill, Pa	40 30	80 00	1856	Victor Scriba.
Troy, Ohio	40 03	84 06	1859	Charles L. McClung.
Truxillo, Honduras, Central America	15 54	86 00	1854	E. Purdot.
Turk's Island, West Indies	21 29	71 05	1858,'59	J. B. Hayne.
Tuscaloosa, Ala., (University of Alabama)	33 12	87 28	1851,'55	Prof. M. Tuomey and George Benagh.
Tuscumbia, Mo	38 13	92 23	1859	William M. Lumpkin.

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Union College, N. Y.—(See Schenectady.)				
Union Hill, Texas	30 30	96 31	1857, '58, '59	Dr. W. H. Gantt.
Union Ranche, Cal	39 30	121 00	1858	William L. Dunkum.
Union Ranche, Cal	39 30	121 00	1859	James Slaven.
Uniontown, Ala	32 30	87 33	1859	Rev. R. A. Cobb.
Unionville, Ohio	41 50	81 00	1855, '56	Miss Ardelia Cunningham.
University of Alabama.—(See Tuscaloosa.)				
University of Michigan.—(See Ann Arbor.)				
University of Mississippi.—(See Oxford.)				
University of North Carolina.—(See Chapel Hill.)				
University of the Pacific.—(See Santa Clara.)				
University of Vermont.—(See Burlington.)				
University of Wisconsin.—(See Madison.)				
University Place, Tenn	35 12	85 48	1859	Charles B. Barney.
Up Park Camp, Jamaica	17 59	76 56	1855	Col. W. B. Marlow.
Up Park Camp, Jamaica	17 59	76 56	1856	James G. Sawkins.
Upper Alton, Ill	38 55	90 10	1854, '55, '56, '57, '58, '59	Dr. John James.
Urbana, Ohio, (Urbana University)	40 06	83 43	1854, '55, '56, '57, '58, '59	Prof. Milo G. Williams.
Utica, N. Y., (Lunatic Asylum)	43 07	75 15	1856, '57	L. A. Tourtellot, M. D.
Vassalborough, Me	40 27	69 42	1859	James Van Blascom.
Vera Cruz, Mexico	19 12	96 09	1856, '57, '58, '59	Dr German Berendt.
Vera Cruz, Mexico	19 08	96 08	1858	Charles Sartorius.
Vicksburg, Miss	32 22	90 56	1854	N. Hatch.
Wabashaw, Minn	44 30	92 15	1857, '58	Rev. Spencer L. Hillier.
Waccamaw, S. C.—(See All Saints.)				
Waldron, Ark	34 53	94 00	1859	George W. Featherston.
Wales, N. Y	42 46	78 37	1854	S. O. Carpenter.
Wallingford, Ct	41 27	72 50	1856, '57, '58, '59	Benjamin F. Harrison.
Walnut Grove, Tenn	36 00	82 53	1856, '57	James B. Bean.
Wampsville, N. Y	43 04	75 50	1854, '55, '56, '57, '58, '59	Dr. Stillman Spooner.
Wardensville, Va.—(See Crack Whip.)				
Warren, Me	44 05	59 15	1859	Calvin Bickford.
Warrenton, Mo	38 45	91 11	1859	Marion F. Hamaker.
Warrenton, Mo	38 37	91 16	1859	Miss Mary Alice Tidswell.
Warrenton, N. C	36 30	78 15	1857	Dr. W. M. Johnston.
Warrington, Fla., (Navy Yard)	30 20	87 16	1854, '55, '56, '57, '58, '59	John Pearson and others.
Warrior's Mark, Pa	40 39	78 14	1854	J. R. Lowrie.
Warsaw, Ill	40 20	91 31	1856, '57, '58	Benjamin Whitaker.
Washington, Ark	33 43	93 37	1859	Nathan D. Smith, M. D.
Washington, D. C., (near)	38 56	76 58	1857	E. G. Arnold.
Washington, D. C	38 53	77 01	1854, '55, '56, '57, '58, '59	Smithsonian Institution.
Washington, D. C., (near)	------	------	1857, '58	J. Weissner.
Washington, Ga.—(See Factory Mills.)				
Washington, Texas	30 26	96 15	1856	W. H. T. Rhodes.
Washington, Texas	30 26	96 15	1856, '57, '58, '59	B. H. Rucker.
Washington College, Md.—(See Chestertown)				
Waterford, N. Y	42 48	73 41	1856, '57, '58, '59	John C. House.
Waterloo, Iowa	42 30	92 30	1859	L. H. Doyle.
Watertown, N. Y	43 56	76 08	1855, '56	Peter O. Williams, M. D.
Waukesha, Wis	42 50	88 11	1856, '57, '58, '59	Prof. S. A. Bean and L. C. Slye, M. D.
Wausau, Wis	45 00	89 40	1858, '59	W. A. Gordon, M. D.
Waynesville, Ill	40 16	89 07	1858, '59	Joshua E. Cantril.
Waynesville, Mo	37 50	92 07	1859	B. G. Lingow.
Webberville, Texas	30 14	97 34	1859	E. W. Yellowby.
Welshfield, Ohio	41 23	81 12	1857, '58, '59	B. F. Abell.
Wellsburg, Va.—(See Cross Creek.)				
Wellsville, N. Y	42 07	78 06	1857, '58	H. M. Sheerar.
West Bedford, Ohio	40 18	82 01	1856, '57	H. D. McCarty.
Wesleyan University, Ct.—(See Middletown.)				
West Concord, N. Y	42 32	78 52	1856, '57	Lewis Woodward.
West Cornwall, Ct	41 50	73 21	1854	T. S. Gold.
West Day, N. Y	43 20	74 16	1858, '59	Jude M. Young.

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West Enfield, N. H	43 30	72 00	1856,'57,'58	Nathaniel Purmort.
Western Reserve College, Ohio.—(See Hudson.)				
Westerville, Ohio	40 04	83 10	1858,'59	Prof. John Haywood.
West Fairlee, Vt	43 55	72 15	1856,'57	L. W. Bliss.
West Farms, N. Y.—(See Morrisania.)				
Westfield, Mass	42 06	72 48	1854,'55,'56,'57,'58,'59	Rev. Emerson Davis, D.D.
West Green, N. C	36 06	79 45	1859	Samuel W. Westbrook.
West Haverford, Pa	40 00	75 21	1854,'55,'56,'57,'58,'59	Paul Swift, M. D.
West Salem, Ill	38 30	88 00	1856,'57,'58,'59	Henry A. Titze.
Westtown, Pa	39 57	75 34	1857,'58,'59	Samuel Alsop.
West Urbana, Ill	40 09	88 17	1857,'58,'59	Dr. John Swain.
Westville, Miss	31 52	90 00	1859	J. R. Cribbs.
Westwood, Va	37 33	77 27	1859	Charles J. Meriwether.
Wet au Glaize, Mo	38 06	92 17	1859	B. D. Dodson.
Wewokaville, Ala	33 20?	86 00?	1854	Benjamin T. Holley.
Weymouth, Mass	42 10	71 00	1856, '57,'59	Norton Quincy Tirrell, M. D.
Wheaton, Ill., (Illinois Institute)	41 49	88 06	1857, '58,'59	Prof. George H Collier.
Wheeling, Va	40 07	80 42	1859	George P. Lockwood.
Wheelock, Texas	30 55	96 27	1859	F. Kellogg.
Whitemarsh Island, Ga	32 04	81 05	1854, '55,'56,'57,'58,'59	R. T. Gibson.
Williams College, Mass.—(See Williamstown.)				
Williamstown, Mass	42 43	73 13	1854,' 55,'56,'57,'58,'59	Williams' College.
Willow Creek, Ill	41 45	89 05	1859	E. E. Bacon.
Wilson, N. Y	43 20	78 56	1858, '59	E. S. Holmes.
Winchester, Tenn	35 12	86 00	1859	S. W. Houghton.
Winchester, Va	39 15	78 10	1854,'55,'56,'57,'58,'59	John W. Marvin.
Windham, Maine	43 49	70 17	1854, '55,'56	Samuel A. Eveleth.
Windham, Ohio	41 10	81 05	1857,'58,'59	Samuel W. Treat.
Windsor, Nova Scotia, (King's College)	44 59	64 07	1857, '58,'59	Rev Prof. J. M. Hensley and Prof. H. How.
Winnebago, Ill	42 17	89 11	1857, '58,'59	James W. Tolman.
Wirt Court-house, Va	39 05	81 26	1856,'57,'58	Dr. Josiah W. Hoff.
Wolfville, Nova Scotia, (Acadia College)	45 06	64 25	1855, '56,'57,'58,'59	Prof. A. P. S. Stuart and C. F. Hartt.
Woodbourne, Va.—(See Garysville.)				
Woodborough, Texas.—(See Preston.)				
Wood's Hole, Mass	41 40	70 17	1854, '55	R. R Gifford.
Woodstock, Ill	42 20	88 30	1859	George R Bassett.
Woodstock, Vt	43 36	72 35	1857, '58,'59	Charles Marsh.
Woodstown, N. J	39 39	75 25	1859	George Watson.
Worcester, Mass	42 16	71 48	1854,'55,'56,'57,'58,'59	State Lunatic Hospital.
Worthington, Pa	40 52	79 39	1859	Samuel Scott.
Wyandotte City, Kansas	39 08	94 20	1859	John H. Millar.
Yankeetown, Ohio	40 00	84 32	1854	A. Jaque.
Yellville, Ark	36 14	92 40	1859	L. W. West and W. B. Flippin.
Yorkville, Ala	33 30	88 17	1854	Dr. John W. Payne.
Youngsville, Pa	41 50	79 20	1854	Dr. A. C. Blodget.
Ypsilanti, Mich	42 15	83 47	1859	C. S. Woodard.
Zanesfield, Ohio	40 22	83 38	1854	J. F. Lukins.
Zanesville, Ohio	40 00	81 31	1856	L. M. Dayton.
Zanesville, Ohio	39 58	82 29	1854,'55,'56,'57	John G. F. Holston, M. D.
Zanesville, Ohio	39 58	82 01	1859	Aaron Peters.
Zebulon, Ga	33 07	84 26	1856,'57,'58,'59	Mrs. J. T. Arnold.

ALPHABETICAL LIST OF OBSERVERS

FOR THE

YEARS 1854 TO 1859.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Abbe, Cleveland	1859	Lansing	Michigan.
Abell, B. F.	1857,'58,'59	Welshfield	Ohio.
Abell, J. Ralls	1859	Mont View	Virginia.
Abert, Thayer	1859	Warrington	Florida.
Adams, Edward L.	1859	Boston	Massachusetts.
Adams, Irah R.	1854	Lowville	New York.
Adams, J. W.	1859	Portland	Maine.
Alba Dr. E. M.	1854,'55,'56,'57,'58	Angelica	New York.
Alcott, William P.	1859	Williamstown	Massachusetts.
Aldrich, Verry	1859	Tiskilwa	Illinois
Alexander, Jas. M.	1859	Spencertown	New York.
Alison, Dr. H. L	1856,'57,'58,'59	Carlowville	Alabama.
Allen, Edwin	1859	New Brunswick	New Jersey.
Allen, James	1857,'58,'59	Port Huron	Michigan.
Allen, Prof. E. H.	1854	Troy	New York.
Allen, Prof. Geo. N	1857	Oberlin	Ohio.
Allen, W. D	1854	Buffalo	New York.
Allin, Lucius C	1854,'55,'56	Springfield	Massachusetts.
Allis, M. H.	1859	Gonzales	Texas.
Allison, Jesse	1859	Bloomington	Illinois.
Alsop, Samuel	1857,'58,'59	Westtown	Pennsylvania.
Ammen, J	1857,'58,'59	Ripley	Ohio.
Anderson, Dr. C. L.	1854	St. Anthony's Falls	Minnesota.
Anderson, Dr. James.	1854,'55,'56,'57	The Rock	Georgia.
	1859	Thomaston	Georgia.
Anderson, H. H	1859	Rockville	Indiana.
Andrews, Dr. Seth L.	1856,'57	Romeo	Michigan.
Andrews, Prof. J. W.	1854,'55	Marietta	Ohio.
Anthony, Newton	1857,'58,'59	Mount Union	Ohio.
Arden, Thomas B	1854,'55,'56,'57,'58,'59	Beverly	New York.
Armstrong, S	1859	Pardeeville	Wisconsin.
Arnold, E. G.	1856	Acquidnesset	Rhode Island.
	1857	Near Washington	Dist. of Columbia.
Arnold, James B	1857	Shelby Bay	Bermuda.
Arnold, Mrs. J. T	1856,'57,'58,'59	Zebulon	Georgia.
Astrop, R. F.	1854,'55,'56,'57,'58,'59	Crichton's Store	Virginia.
Atkins, Rev. L. S.	1857,'58,'59	Madison	Ohio.
Atkinson, G. H.	1857,'58,'59	Oregon City	Oregon.
Atwood, Isaac	1859	Lake Mills	Wisconsin.
Aubier, Prof. John	1858,'59	Fordham	New York.
Austin, W. W.	1854,'58,'59	Richmond	Indiana.
Ayres, Dr. W. O	1856,'57,'58,'59	San Francisco	California.
Babcock, Andrew J	1857,'58,59	Aurora	Illinois.
Babcock, E	1856,'57,'58,'59	Riley	Illinois.
Bacon, E. E.	1859	Willow Creek	Illinois.
Bacon, William	1854,'55,'56,'57,'58,'59	Richmond	Massachusetts.
Baer, Miss Harriott M.	1854,'55,'56,'57,'58,'59	Sykesville	Maryland.
Bailey, James B.	1856,'57,'58,'59	Gainesville	Florida.
Bailey, S. S.	1859	Dundee	Missouri.
Baird, John H.	1856,'57,'58,'59	Tarentum	Pennsylvania.
Baker, Frank	1857,'58	South Pass	Illinois.
Baker, J. C.	1856,'57,'58,'59	Stanbridge	Canada.
Baker, Miss Mary E.	1854,'55	Ceresco	Wisconsin.
Baldwin, Dr. A. S.	1854,'55,'56,'57,'58,'59	Jacksonville	Florida.
Ball, Dr. J. E., and Mrs. Ida E.	1854,'55	Keokuk	Iowa.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Ballou, Dr. N. E.	1858, '59	Sandwich	Illinois.
Barbage, Joshua C.	1859	Hardinsburg	Kentucky.
Barber, Prof G. M.	1855	Berea	Ohio.
Barclay, Dr. R G.	1858, '59	Jerusalem	Palestine.
Barker, Thomas M.	1857	Ashville	Alabama.
Barlow, Dennis	1859	Arkadelphia	Arkansas.
Barnes, Charles	1854, '55, '58	Madison	Indiana.
	1856, '57	New Albany	Indiana.
Barnes, Dr.	1859	Fort Vancouver	Oregon.
Barney, Charles B.	1859	University Place	Tennessee.
Barrett, James	1858, '59	Linden	Pennsylvania.
Barrows, Dr. George B.	1854, '55, '56	Fryeburg	Maine.
Bartlett, Isaac	1859	Logansport	Indiana.
Bartlett, Joshua	1854, '55	South Thomaston	Maine.
Barton, Dr. E. H	1854, '55, '57	New Orleans	Louisiana.
	1859	Columbia	South Carolina.
Bassett, George R.	1859	Woodstock	Illinois.
Batchelder, F. L.	1857, '58	Hibernia	Florida.
Beal, Dexter	1856, '57, '58, '59	Franklin	Iowa.
Beal, Willard W.	1857	Franklin	Iowa.
Bean, Dr. James B.	1856, '57	Walnut Grove	Tennessee.
	1858, '59	Micanopy	Florida.
Bean, Prof. S A.	1856, '57, '58, '59	Waukesha	Wisconsin.
Beatty, Prof. O.	1854, '55, '56, '57, '58, '59	Danville	Kentucky.
Beckwith, Dr. T. Francis	1856	Garysville	Virginia.
Beeman, Carlisle D	1857, '58, '59	Rossville	Iowa.
Behman, F.	1854	Fort Pierre	Nebraska.
Belcher, W. C.	1857, '58, '59	Marysville	California.
Bell, Hon. Samuel N.	1854, '55, '56, '57, '59	Manchester	New Hampshire.
Bell, Jacob E.	1858, '59	Leitersburg	Maryland.
Bell, John J.	1854, '55, '56, '57	Carmel	Maine.
Bell, Mrs. E. M. A.	1858, '59	Carthage	Illinois.
Benagh, Prof. George	1854, '55	Tuscaloosa	Alabama.
Benner, J. F	1857, '58, '59	New Lisbon	Ohio.
Bennett, Henry	1856, '57, '58	Collingwood	Ohio.
Bennett, Miss Sarah E.	1859	Collingwood	Ohio.
Benton, F. A.	1854, '55	Mount Vernon	Ohio.
Berendt, Dr. German	1856, '57, '58, '59	Vera Cruz	Mexico.
Berger, Martin L	1859	Williamstown	Massachusetts.
Berthoud, E. L.	1854	Barbacoos	N. Granada, S. A.
	1854	Logansport	Indiana.
	1858, '59	Leavenworth City	Kansas.
Bickford, Calvin	1859	Warren	Maine.
Bidwell, Dr. Edwin C.	1854, '55, '56	Quasqueton	Iowa.
Binkerd, J. S.	1856, '57	Germantown	Ohio.
Bixby, A. H	1854	Lafayette	Indiana.
	1857, '58	Francestown	New Hampshire.
Blackwell, William H.	1859	Perryville	Arkansas.
Blake, J. R.	1859	Lagrange	Tennessee.
Blaker, G. H.	1858, '59	Marquette	Michigan.
Blanding, William M.	1858	Falls of St. Croix	Wisconsin.
Bliss, George	1856, '57	Shelburn	Vermont.
Bliss, L. W.	1856, '57	West Fairlee	Vermont.
	1858	Bradford	Vermont.
Blodget, Dr. A. C.	1854	Youngsville	Pennsylvania.
Blodget, W. O.	1854	Sugar Grove	Pennsylvania.
Board of Trade	1854	Halifax	Nova Scotia.
Bond, Prof. W. C.	1856, '57, '58, '59	Cambridge	Massachusetts.
Boston Telegraph, (newspaper)	1855, '56	Cincinnati	Ohio.
Bosworth, Prof. R. S.	1854, '56, '57	College Hill	Ohio.
Boucher, Wesley K.	1859	Moquelumne Hill	California.
Bowen, Miss Anna M. J.	1858, '59	Elkhorn	Nebraska.
Bowen, W. T.	1859	Sharonville	Ohio.
Bowles, Dr. S. B.	1859	Greenfield	Missouri.
Bowlsby, George W.	1859	Monroe	Michigan.
Bowman, Dr. E. H.	1857, '58, '59	Edgington	Illinois.
Bowman, John	1854, '55, '56, '57, '58, '59	Baldwinsville	New York.
Boyers, W. R.	1858	Buffalo	Virginia.
	1858, '59	Point Pleasant	Virginia.
	1859	Altoona	Pennsylvania.
Boyd, S. T.	1859	Iberia	Ohio.
Brackett, J. Emerson	1859	Belfast	Maine.
Breed, J. Everett	1854, '55, '56	Smithville	New York.
	1856, '57, '58	New London	Wisconsin.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Brendel, Dr. Frederick	1856,'57,'58,'59	Peoria	Illinois.
Brewer, Francis A	1857,'58,'59	Springfield	Massachusetts.
Brickenstein, Hermann A	1855,'56,'57	Nazareth	Pennsylvania.
Brightman, John C	1857,'58	Goliad	Texas.
	1857	Helena	Texas
Brooks, John	1854,'55,'56,'57	Princeton	Massachusetts.
Brooks, Rev. Jabez	1855,'56	Red Wing	Minnesota.
Brooks, Samuel	1859	Chicago	Illinois.
Brown, Branch	1858,'59	Stratford	New Hampshire.
Brown, B. Gould	1856,'57	Stratford	New Hampshire.
Brown, E. E	1859	Hartland	Maine.
Brown, G. W	1857,'58,'59	Lawrence	Kansas.
Brown, John J	1859	Dansville	New York.
Brown, J. W	1858	Edgar County	Illinois.
Brown, Samuel	1854,'55,'56,'57,'58	Bedford	Pennsylvania.
Brown, William B. G	1855	Stratford	New Hampshire.
Brugger, Samuel	1856,'57,'58,'59	Fleming	Pennsylvania.
Buckland, David	1854,'55,'56,'57,'58,'59	Brandon	Vermont.
Bullock, J. T	1859	Shelbyville	Indiana.
Burrell, J. Ilgen	1858,'59	Bellefonte	Pennsylvania.
Burt, Henry M	1857	Bellevue	Nebraska.
Bushnell, Rev. A	1855	Nengenenge	Africa.
Byers, Dr. Robert	1859	Kirksville	Missouri.
Byers, William N	1857,'58,'59	Omaha	Nebraska.
Byram, Ephraim N	1854,'55,'56,'57,'58	Sag Harbor	New York.
Calder, John G	1859	Ireland Island	Bermuda.
Camp, Benjamin F	1859	Covington	Georgia.
Campbell, Dr. W. M	1854,'55,'56,'57,'58,'59	Battle Creek	Michigan.
Campbell, John	1859	Carrollton	Missouri.
Canfield, Dr. Colbert A	1859	Monterey	California.
Cantril, Joshua E	1858,'59	Waynesville	Illinois.
Canudas, Antonio	1857,'58,'59	Guatemala	Central America.
Capon, E	1858,'59	Batavia	Illinois.
Carpenter, Prof. S. H	1854	Madison	Wisconsin.
Carver, Rev. E. W	1854	Red Lake	Minnesota.
Carver, Dr. Robert Thadd	1855	Friendship	Tennessee.
Carpenter, S. O	1854	Wales	New York.
Carpenter, Thornton	1854	Camden	South Carolina.
Carter, Thomas	1859	Raleigh	North Carolina.
Caswell, Prof. Alexis	1854,'55,'56,'57,'58,'59	Providence	Rhode Island.
Chadbourne, Prof. P. A	1854	Williamstown	Massachusetts.
Chandler, Marine T. W	1857	Falls of St. Croix	Wisconsin.
Chandler, Dr. Charles Q	1856	Rocheport	Missouri.
Chappellsmith, John	1854,'55,'56,'57,'58,'59	New Harmony	Indiana.
Chase, Arthur	1859	Claremont	New Hampshire.
Chase, C. T	1854	Chatham	New York.
Chase, T	1859	Marion	Ohio.
Chickering, J. W	1855,'56,'57,'58	Ovid	New York.
Childs, E. W	1858,'59	Hudson	Ohio.
Chorpenning, Dr. Frank	1856	Somerset	Pennsylvania.
Christian, John	1859	Harrisonville	Missouri.
Clark, Thomas	1858,'59	Beaver Bay	Minnesota.
Clark, William P	1858,'59	Montville	Ohio.
Clark, Dr. D	1854,'55	Flint	Michigan.
Clarke, James T	1856	Mount Solon	Virginia.
Clarke, Lawrence, jr	1859	Fort Rae	British America.
Clarke, Prof. Ambrose W	1858	Chestertown	Maryland.
	1859	Delafield	Wisconsin.
Clarkson, Rev. David	1859	Fort Riley	Kansas.
Cobb, Rev. R. A	1859	Uniontown	Alabama.
Cobleigh, D. D., Rev. Nelson E	1859	Lebanon	Illinois.
Coffin, Matthew	1859	Otsego	Michigan.
Coffin, Prof. William	1854	Batavia	Illinois.
Coffin, Selden J	1855,'56,'57	Easton	Pennsylvania.
Cofran, L. R	1857,'58	Oakland	Maryland.
Colbrunn, Edward	1858	Cleveland	Ohio.
	1859	Rockport	Ohio.
Colby, E. P	1858,'59	Concord	New Hampshire.
Colby, James K	1854,'55	St. Johnsbury	Vermont.
Coleman, William	1859	Texana	Texas.
Collier, Alfred	1859	South Groton	Massachusetts.
Collier, D. C	1859	Denver City	Kansas.
Collier, Prof. George H	1857,'58,'59	Wheaton	Illinois.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Comings, G. P.	1856,'57	Palmyra	Missouri.
Comly, John	1854,'57,'58	Byberry	Pennsylvania.
Conklin, Thomas A	1859	Trenton	Missouri.
Connolly, Henry	1857,'58,'59	Rigolet	Labrador.
Cook, Franklin W	1859	Bendersville	Pennsylvania.
Cooke, Prof. George	1854	Knoxville	Tennessee.
Cooke, Robert L.	1854,55,'56,'57,'58	Bloomfield	New Jersey.
Cooper Female Seminary	1856	Dayton	Ohio.
Cornish, John H.	1857,'58,'59	Aiken	South Carolina.
Corse, John M.	1859	Burlington	Iowa.
Cotton, D. B.	1859	Portsmouth	Ohio.
Couch, Samuel	1854,'55,'56,'57,'58	Ashland	Virginia.
Coulter, B. F.	1859	Brownsville	Arkansas.
Covert, A. B	1859	Farmer	New York.
Coventing, W. B	1854	Kendallville	Indiana.
Craigie, Dr W	1854,'55,'57,'58,'59	Hamilton	Canada.
Crane, Heber	1859	Corunna	Michigan.
Craven, Thomas J	1856,'57	Newark	Delaware.
Crawford, James	1858	Centre Signal Station	Bermuda.
Crawford, Robert	1856	Newark	Delaware.
Crawford, Prof. W. A	1854,'55	Newark	Delaware.
Cribbs, J. R.	1859	Westville	Mississippi.
Crisp, John F	1857,'58	Evansville	Indiana.
Crockett, John M	1859	Dallas	Texas.
Crookham, George L.	1854,'55	Jackson	Ohio.
Crosby, J. B	1857,'58,'59	New Buffalo	Michigan.
Cumming, S. J	1854,'55	Monroeville	Alabama.
Cunningham, J. L	1859	Bastrop	Texas.
Cunningham, Miss Ardelia, (see Mrs Ardelia C. King.)	1854,'55,'56,'57	Madison	Ohio.
	1855,'56	Unionville	Ohio.
Currier, Alfred O	1854,'55,'56,'57,'58	Grand Rapids	Michigan.
Curtis, W. W	1859	Rocky Run	Wisconsin.
Cutting, Hiram A	1859	Lunenberg	Vermont.
Dabney, Samuel W	1856,'57	Horta, Fayal Island	Azores.
Dalton, O. D.	1859	Greenville	Missouri.
Dana, William D	1854,'55,'56,'57,'58,'59	Perry	Maine.
Darby, Prof. John	1854	Culloden	Georgia.
	1855,'56,'57,'58	Auburn	Alabama.
Darling, Leander A	1856,'57	Bridgewater	Massachusetts.
Darlington, Fenelon	1854,'55,'56,'57,'58,'59	Pocopson	Pennsylvania.
Davidson, H. M	1859	Freedom	Ohio.
Davies, James F.	1859	Gainesville	Arkansas.
Davis, Rev. Emerson, D. D.	1854,'55,'56,'57,'58,'59	Westfield	Massachusetts.
Davis, W. E	1859	Lancaster	Ohio.
Dawson, Dr. John L	1855,'56,'57,'58	Charleston	South Carolina.
Day, William	1859	Morristown	New York.
Dayton, E. A.	1854,'55,'56,'57,'58,'59	Madrid	New York.
Dayton, J. H.	1859	South Bend	Indiana.
Dayton, Lewis M	1855	Newark	Ohio.
	1856	Zanesville	Ohio.
	1857,'59	Lancaster	Ohio.
D'Spain, Dr. B. L	1859	Tarrant	Texas.
Dearing, D. S	1854	Brockville	Pennsylvania.
De Graffenried, W. G.	1859	Columbus	Texas.
Dejernett, R	1859	Greenville	Texas.
Delaney, John, & Sons	1856,'57,'58,'59	St. John's	Newfoundland.
Denig, E. T.	1854	Fort Union	Nebraska.
Denning, William H.	1856,'57,'58,'59	Fishkill Landing	New York.
Dennis, William C.	1854,'55,'56,'57,'58,'59	Salt Ponds	Florida.
Desellem, Jacob M.	1854,'55	Richmond	Ohio.
Dewey, Professor Chester, LL. D.	1856,'57,'58,'59	Rochester	New York.
Dickinson, George C	1856,'57,'58,'59	Rougemont	Virginia.
Dille, Israel	1859	Newark	Ohio.
Dodd, C. M.	1856	Salem	New Jersey.
Dodge, J. W., & Son	1859	Pomona	Tennessee.
Dodson, B. D	1859	Wet au Glaize	Missouri.
Dorsey, Edward B	1858,'59	Chanarcillo	Chili, S. A.
Doughty, Dr. William H	1858,'59	Augusta	Georgia.
Doyle, L. H.	1859	Otsego	Wisconsin.
	1859	Waterloo	Iowa.
Drummond, Rev. J. H	1859	Spring Hill	Kansas.
Drysdale, Robert H	1858	Marlboro	North Carolina.
Du Bois, H. G., jr	1859	New Haven	Connecticut.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Dudley, Timothy	1858, '59	Jacksonville	Illinois.
Duffield, Dr. Edward	1856	Hannibal	Missouri.
Duffield, Rev. George	1854, '55, '56	Detroit	Michigan.
Dunkum, William L	1858	Union Ranche	California.
Durham, W. J	1856, '57, '58	Racine	Wisconsin.
Easter, Prof. John D	1857, '58, '59	Athens	Georgia.
Ebert, S	1859	Germantown	Pennsylvania.
Edwards, Joseph	1854, '55, '56, '57, '58	Chromedale	Pennsylvania.
Edwards, Rev. Tryon, D. D	1854, '55, '56, '57, '58	New London	Connecticut.
Eggert, John	1856, '57, '58, '59	Berwick	Pennsylvania.
Eldredge, Rev. William V	1856, '57, '58, '59	Brighton	Illinois.
Elletson, Job	1859	Geneva	New York.
Elliott, Prof. J. Boyd	1855, '56, '57	Port Gibson	Mississippi.
Ellis, Dr. Edwin	1856, '57, '58, '59	Bay City	Wisconsin.
Ellis, D. H	1856, '57, '59	Crack Whip	Virginia.
	1857, '58	Canton	Massachusetts.
Ellis, Dr. William Y	1859	Lecompton	Kansas.
Ellsworth, Lewis	1859	Naperville	Illinois.
Ellsworth, Milton S	1859	Naperville	Illinois.
Engelmann, Dr George	1854, '55, '56, '59	St. Louis	Missouri.
Epperson, W. T	1859	Jefferson	Texas.
Ervendberg, Prof. L. C	1854, '55	New Braunfels	Texas.
	1856	City of Mexico	Mexico.
Evans, John	1859	Fontenelle	Nebraska.
Eveleth, Samuel A	1854, '55, '56	Windham	Maine.
Ewing, J. M	1859	Tarrant	Texas.
Fairall, Herman H	1856	Iowa City	Iowa.
Fairbanks, J. P	1854	St. Johnsbury	Vermont.
Fairbanks, Franklin	1857, '58, '59	St. Johnsbury	Vermont.
Fairchild, Prof. J. H	1854, '55, '56, '57	Oberlin	Ohio.
Fallon, John	1856, '57, '58, '59	Lawrence	Massachusetts.
Fauntleroy, H. H	1856, '57	Montross	Virginia.
Featherston, George W	1859	Waldron	Arkansas.
Fellows, Henry B	1857	Sennett	New York.
Felt, Charles W	1858, '59	Bridgewater	Massachusetts.
Felt, John, jr	1856	Liberty	New York.
Fendler, Augustus	1854, '56	Colonia Tovar	Venezuela, S. A.
	1858	Caraccas	Venezuela, S. A.
	1859	St. Louis	Missouri.
Finley, A. J	1859	Davenport	Iowa.
Finley, P. F	1859	Spring Hill	Arkansas.
Finley, Rufus W	1859	Richmond	Missouri.
Fish, Edmund	1857	Council City	Kansas.
	1858, '59	Burlingame	Kansas.
Fish, Lucian	1859	Burlingame	Kansas.
Fisher, Dr. James C	1856	Dayton	Ohio.
Fitzgerald, Rev. F	1854	Thornbury	North Carolina.
Flippin, W. B	1859	Yellville	Arkansas.
Force, Nathan P	1859	Farmington	Missouri.
Forke, Rev. J. L	1856, '57	New Braunfels	Texas.
Fory, John C	1856, '57, '58, '59	Bellevue	Iowa.
Foster, J	1859	Centre Signal Station	Bermuda.
Foster, William S	1859	Montgomery	Alabama.
Frambes, Prof. Oliver S	1859	Santa Clara	California.
Frantz, Jacob	1854, '55, '56, '57, '58	Paradise	Pennsylvania.
Frazer, James	1856, '57, '59	Mustapha	Virginia.
Freeman, F. N	1857, '58	Claremont	New Hampshire.
Freeze, G	1859	Boston	Texas.
French, John R	1856, '57	Mexico	New York.
French, Josiah B	1857, '58, '59	Laconia	New Hampshire.
	1857, '58, '59	Lake Village	New Hampshire.
Friedrich, Otto	1858, '59	New Braunfels	Texas.
Friel, P	1856, '57, '58, '59	Shamokin	Pennsylvania.
Frost, E. C	1859	Havana	New York.
Frost, Rev. Adolph	1854, '55, '56	Burlington	New Jersey.
Fry, Joseph	1856, '57	Warrington	Florida.
Fuller, Dr. Edward N	1856, '57	Edisto Island	South Carolina.
	1857	Mount Pleasant	South Carolina.
Fuller, E. A	1859	Freedom	Maine.
Gaffney, James O	1859	San Patricio	Texas.
Gamble, J. W	1859	Hillsboro	Ohio.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Gantt, Dr. W. H.	1856	Pin Oak	Texas.
	1857, '58, '59	Union Hill	Texas.
Gardiner, James	1859	Port La Vaca	Texas.
Gardiner, R. H	1855, '56, '57, '58, '59	Gardiner	Maine.
Garland, James G	1854	Biddeford	Maine.
Garrison, O. E	1856, '57, '58, '59	Princeton	Minnesota.
Gay, Thomas	1854	Bellefontaine	Wisconsin.
Geological Surveyors	1856, '57	Port of Spain	Trinidad.
Gibbon, Lardner	1859	Seville	Florida.
Gibbons, Dr. H	1854, '55	San Francisco	California.
Gibbons, J. C	1854	New York	New York.
Gibbs, T	1858, '59	Huntsville	Texas.
Gibson, R. T	1854, '55, '56, '57, '58, '59	Whitemarsh Island	Georgia.
Gifford, B. R	1856	St Francisville	Louisiana.
Gifford, R. R	1854, '55	Wood's Hole	Massachusetts.
Giles, F. W	1858	Topeka	Kansas.
Gilmor, Moses	1855, '57, '58	Jackson	Ohio.
Gilman, Stephen	1858	East Exeter	Maine.
Gilman, William H	1858	Cayuga	Kansas.
Glasco, J. M	1859	Gilmer	Texas.
Glennie, Rev. Alexander	1854, '55, '56, '57, '58, '59	All Saints	South Carolina.
Glover, Eli S	1857, '58	Hillsborough	Georgia.
Goff, Mrs. Mary A	1856	Eagle River	Michigan.
Gold, T. S	1854	West Cornwall	Connecticut.
Goodman, William R	1856, '57, '58, '59	Annapolis	Maryland.
Goodnow, Isaac T	1857, '58, '59	Manhattan	Kansas.
Gordon, Dr. W. A	1858, '59	Wausau	Wisconsin
Gordon, Robert	1859	Auburn	California.
Gorton, J. S	1856	Morrisania	New York.
Goss, B. F	1859	Neosho Falls	Kansas.
Goss, William K	1856, '57, '58, '59	Border Plains	Iowa.
Gould, S. A	1859	Santa Clara	California.
Graham, P	1859	Bentonville	Arkansas.
Grant, John	1854, '55, '56, '57, '58, '59	Manchester	Illinois.
Grant, Dr. W. T	1858, '59	Thomson	Georgia.
Green, A. R	1854	Jackson	Mississippi.
Greene, Prof. Dascom	1856, '57	Troy	New York.
Gridley, Rev. John	1856, '57, '58, '59	Kenosha	Wisconsin.
Grinnell, John	1858	Nolin	Kentucky.
Griswold, Prof. T. L	1855, '56	Knoxville	Tennessee.
Groneweg, Lewis	1854, '55, '56	Germantown	Ohio.
	1858	Dayton	Ohio.
Guest, William E	1854, '55, '56, '57, '58, '59	Ogdensburg	New York.
Gunn, Donald	1855, '56, '57, '58, '59	Red River Settlement	Hudson's Bay Ter.
Guptill, G. W	1856, '57, '58, '59	Cornish	Maine.
Hacuser, Emil	1858, '59	New Danemora	Wisconsin.
	1859	Galena	Illinois.
Hahn, Charles	1858	Reading	Pennsylvania.
Haines, John	1859	Richmond	Indiana.
Haines, William	1854, '55, '57	Augusta	Georgia.
Hall, Dr Archibald	1855, '56, '57, '58, '59	Montreal	Canada.
Hall, Joel	1854, '55, '56, '57, '58	Athens	Illinois.
Hall, Joseph S	1859	Mount Washington	New Hampshire.
Hall, S. W	1859	Hartland	Maine.
Hallowell, Benjamin	1854, '55, '56, '57, '58	Alexandria	Virginia.
Hamaker, Marion F	1859	Warrenton	Missouri.
Hamilton, William	1857, '58, '59	Bellevue	Nebraska.
Hamilton, William H	1859	Raleigh	North Carolina.
Hammitt, John W	1859	College Hill	Ohio.
Hampton, Hannah E	1859	Dudley	Ohio.
Hanan, B. P	1859	Luray	Missouri.
Hance, Ebenezer	1854, '55, '56, '57, '58, 59	Morrisville	Pennsylvania.
Hanna, G. B	1859	Bridgewater	Massachusetts.
Hannaford, Ebenezer	1855, '56, '57	Cheviot	Ohio.
Hanshew, Henry E	1854, '55, '56, '57, '58, '59	Frederick	Maryland.
Hanscam, R. F	1856, '57, '58	North Barnstead	New Hampshire.
Hardy, Harmon F	1856	Perryville	Arkansas.
Harkness, William	1854, '55	Fishkill	New York.
	1856, '57	Rochester	New York
Harleston, F. H., under direction of Superintendent of Arsenal Academy.	1856	Columbia	South Carolina.
Harper, George W	1855, '56, '57, '58, '59	Cincinnati	Ohio.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Harper, Prof. L	1854, '55, '56	Oxford	Mississippi.
Harris, Dr. J. O	1854, '55, '56, '57, .58, '59	Ottawa	Illinois.
Harrison, Benjamin F	1856, '57, '58, '59	Wallingford	Connecticut.
Hart, J. H	1854	Oswego	New York.
Hartt, C. F	1859	Wolfville	Nova Scotia.
Harvey, J. C	1859	Nazareth	Pennsylvania.
Hastings, John	1855	Pittsburg, (Marine Hospital)	Pennsylvania.
Hatch & Co	1855	Jackson	Mississippi.
Hatch, Dr. F. W	1854, '55	Sacramento	California.
Hatch, N	1854	Vicksburg	Mississippi.
Hayne, J. B	1858, '59	Turk's Island	West Indies.
Haywood, Prof. John	1858, '59	Westerville	Ohio.
Heaston, D. J	1859	Bethany	Missouri.
Heckerman, Rev. Henry	1859	Bedford	Pennsylvania.
Heger, Dr. A	1855	Pottsville	Pennsylvania.
Heisely, Dr. John	1854, '55, '56, '57, '58, '59	Harrisburg	Pennsylvania.
Hensley, Rev. Prof. J. M	1857, '58, '59	Windsor	Nova Scotia.
Hering, C. T	1856, '57, '58, '59	Catharina Sophia, Surinam	South America.
Herrick, F. C	1855	Bowling Green	Kentucky.
Herrick, James D	1856, '57, '58	Jefferson	Ohio.
Hester, Lieut. J. W., U. S. N	1858	Warrington	Florida.
Heyser, William	1858, '59	Chambersburg	Pennsylvania.
Hibberd, A. A	1857, '58, '59	Burlington	Minnesota.
Hickok, W. O	1857, '58, '59	Harrisburg	Pennsylvania.
Hicto, J. A	1858, '59	Cordova	Mexico.
Hill, F. G	1859	Dallasburg	Ohio.
Hillier, Rev. Spencer L	1855	Hiram	Ohio.
	1857	Prescott	Wisconsin.
	1857, '58	Wabashaw	Minnesota.
	1859	Brecksville	Ohio.
Himoe, Dr. S. O	1857, '58	Mapleton	Kansas.
Himoe, John E	1856, '57	Norway	Wisconsin.
Hiscox, G. D	1856, '57	Chicago	Illinois.
Hobart, E. F	1857	Maquoketa	Iowa.
Hobbs, O. T	1854, '55, '56	Randolph	Pennsylvania.
Hoff, Dr. Josiah W	1856, '57, '58	Wirt Court-House	Virginia.
Hoffaker, S. S	1859	Carrollton	Missouri.
Hoffer, Dr. J. R	1857, '58, '59	Mount Joy	Pennsylvania.
Holcomb, Amasa	1854, '55, '56, '57	Southwick	Massachusetts.
Hollenbeck, D. K	1856, '57	Perrysburg	Ohio.
Hollenbeck, F	1854, '55, '58	Perrysburg	Ohio.
Holley, Benjamin T	1854	Weewokaville	Alabama.
Holmes, E. S	1858	Lockport	New York.
	1858, '59	Wilson	New York.
Holmes, J. C	1858, '59	Lansing	Michigan.
Holston, Dr. John G. F	1854, '55, '56, '57	Zanesville	Ohio.
Hopkins, E. A	1854	Assumption, Paraguay	South America.
Horner, W. H	1859	Hornersville	Missouri.
Horr, Dr. Asa	1854, '55, '56, '57, '58, '59	Dubuque	Iowa.
Horton, L. S., (for Dr. Zena Pitcher)	1858, '59	Detroit, (Marine Hospital)	Michigan.
Hotchkiss, Jed	1856, '57, '58	Mossy Creek	Virginia.
	1858, '59	Stribling Springs, (nine miles SW. of Mossy Creek.)	Virginia.
Houghton, George R	1858, '59	Easton	Pennsylvania.
Houghton, S. W	1859	Winchester	Tennessee.
House, J. Carroll	1855, '56, '57	Lowville	New York.
House, John C	1856, '57, '58, '59	Waterford	New York.
How, Prof. H	1858, '59	Windsor	Nova Scotia.
Howell, Robert	1857, '58, '59	Nichols	New York.
Hudson, Dr. A. T	1859	Lyons City	Iowa.
Hull, Aaron B	1856, '57	Georgetown	Connecticut.
Hunt, Ashley D	1859	Moulton	Alabama.
Hunt, Dr. Sandford B	1854	Buffalo	New York.
Hunt, Rev. Daniel	1854, '55, '56, '57, '58, '59	Pomfret	Connecticut.
Huntington, George C	1859	Kelley's Island	Ohio.
Hurtt, Francis W	1855, '57, '58	Cincinnati	Ohio.
Hyde, Gustavus A	1854, '55	Norwalk	Ohio.
	1855, '56, '57, '58, '59	Cleveland	Ohio.
Hyde, Rev. T. C. P	1854	Spencertown	New York.
Ingalls, S. Marshall	1857, '58	Pompey	New York.
Ingersoll, J. D	1859	Ilion	New York.
Ingram, Dr. John	1854, '55, '56, '57, '58, '59	Savannah	Ohio.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Ives, Edward R	1857, '58, '59	Alligator	Florida.
Ives, William	1858, '59	Buffalo	New York.
Jackman, Prof. A	1856, '57, '58, '59	Norwich	Vermont.
Jackson, Dr. A. W	1859	Point Coupee	Louisiana.
Jacobs, Prof. M	1854, '55, '56, '57, '58, '59.	Gettysburg	Pennsylvania.
Jaeger, H. W	1858	Lancaster	Ohio.
James, Prof. Charles S	1856, '57, '58, '59	Lewisburg	Pennsylvania.
James, Dr. John	1854, '55, '56, '57, '58, '59.	Upper Alton	Illinois.
Janes, C. C	1857	Hillsborough	Ohio.
Jaque, A	1854	Yankeetown	Ohio.
Jenkins, J. L	1857	Granville	Illinois.
Jennings, Dr. Samuel K	1854, '55, '56, '57	Austin	Texas.
	1858, '59	Selma	Alabama.
	1859	Orville	Alabama.
Jillson, Prof. Benjamin C	1855	Lebanon	Tennessee.
Johnson, A. K	1859	Platteville	Wisconsin.
Johnson, Dr. Joseph	1856, '57, '58, '59	Charleston	South Carolina.
Johnson, Enoch D	1857, '58, '59	Jackson	Ohio.
Johnson, E. W	1854, '55, '56, '57	Canton	New York.
Johnson, Warren	1859	Topsham	Maine.
Johnston, Dr. William M	1857	Warrenton	North Carolina.
	1859	Hernando	Mississippi.
Johnston, Prof. John	1858, '59	Middletown	Connecticut.
Jones, Silas B	1859	Fork Union	Virginia.
Julien, Alexis A	1858, '59	Schenectady	New York.
Kapp, Ernst	1859	Sisterdale	Texas.
Kellogg, F	1859	Wheelock	Texas.
Kellogg, George J	1859	Janesville	Wisconsin.
Kellum, O. A	1855	St. Joseph	Minnesota.
Kelsey, Kathalo	1859	Great Valley	New York.
Kendall, John F	1856	Pompey Hill	New York.
Kendall, James E	1856, '57, '58, '59	Poplar Grove	Virginia.
Kerr, Prof. W. C	1857, '58, '59	Davidson College	North Carolina.
Kersey, Dr. V	1854, '55	Milton	Indiana.
Kibbe, Dr. T. R	1859	Downieville	California.
Kilpatrick, Dr. Andrew R	1856, '57, '58, '59	Trinity	Louisiana.
King, Mrs. Ardelia C., (see Miss Ardelia Cunningham.)	1858, '59	Madison	Ohio.
Kirkpatrick, Prof. James A	1854, '55, '56, '57, '58, '59.	Philadelphia	Pennsylvania.
Kizer, William B	1859	Emerson	Missouri.
Knauer, J	1854	Kendallville	Indiana.
Knoud, Rev. James	1856, '57, '58	Cape Girardeau	Missouri.
Kohler, Edward	1856, '57, '58, '59	North Whitehall	Pennsylvania.
Kownslar, Miss Ellen	1856, '57	Berryville	Virginia.
Kownslar, Dr. R	1858	Berryville	Virginia.
Landon, Anna S	1857, '58, '59	Eden	New York.
Landon, Stephen	1856	Eden	New York.
Lane, John	1859	Monroe Piers	Michigan.
Langdon, Laurence A	1854	Falconer	New York.
Lapham, Increase A., LL.D	1854, '57, '58, '59	Milwaukee	Wisconsin.
Larabee, William H	1859	Greencastle	Indiana.
Larkin, E. P	1859	Milwaukee	Wisconsin.
Lasselle, Charles B	1857, '58	Logansport	Indiana.
Laszlo, Charles	1858, '59	Minatitlan	Mexico.
Lathrop, Prof. S. R	1854	Beloit	Wisconsin.
Lea, John	1855, '56	Cincinnati	Ohio.
Lear, O. H. P	1854, '55	Hannibal	Missouri.
Lefferts, John	1854, '55, '56, '57, '58, '59.	Lodi	New York.
Leffman, L	1859	Fort Niagara	New York.
Leonard, Rev. L. W	1854, '55	Exeter	New Hampshire.
Lingow, B. G	1859	Waynesville	Missouri.
Little, J. T	1859	Dixon	Illinois.
Livesay, Dr. G. W	1854, '55, '56	Gallipolis	Ohio.
Lobdell, Mrs. M. J	1856	North Salem	New York.
Locke, Samuel	1858	Lapham	Minnesota.
Lockwood, George P	1859	Wheeling	Virginia.
Logan, Dr. Thomas M	1854, '55, '56, '57, '58, '59.	Sacramento	California.
Lord, W. G	1859	Limington	Maine.
Lowndes, Benjamin O	1854, '55, '56, '57, '58, '59.	Bladensburg	Maryland.
Lowrie, J. R	1854	Warrior's Mark	Pennsylvania.
Lukins, J. F	1854	Zanesfield	Ohio.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Lull, James S.	1855, '56, '57, '58, '59	Columbus	Mississippi.
Lumpkin, Wm. L.	1859	Tuscumbia	Missouri.
Lunemann, John H.	1858, '59	Bardstown	Kentucky.
Lüps, Jacob	1856, '57, '58, '59	Manitowoc	Wisconsin.
Luther, S. M	1856, '57, '58, '59	Hiram	Ohio.
Lyon, Curtis J.	1858	Williamstown	Massachusetts.
McBeth, Miss Sue	1859	Fairfield	Iowa.
McCarty, H. D.	1856, '57	West Bedford	Ohio.
	1857, '58, '59	Leavenworth City	Kansas.
McCary, Robert	1858, '59	Natchez	Mississippi.
McClung, Charles L.	1859	Troy	Ohio.
McConnel, Townsend	1856, '57, '58, '59	Pleasant Plain	Iowa.
McCready, Daniel	1854, '55, '56, '57, '58, '59	Fort Madison	Iowa.
McDonald, M	1854	New Creek Depot	Virginia.
McDowell, Rev. A.	1856, '57, '58, '59	Murfreesborough	North Carolina.
McDowell, W. W	1857, '58	Ashville	North Carolina.
McElrath, J. J.	1855	Camden	Arkansas.
McGee, J.	1857	Williamstown	Massachusetts.
MacKee, Rev. Charles B.	1858, '59	Lewinsville	Virginia.
	1859	Georgetown	Dist. of Columbia.
McKenzie, John M	1859	Fayette Village	Iowa.
McKewn, W. F., under direction of Superintendent Arsenal Academy.	1858	Columbia	South Carolina.
McMillan, Smith B.	1859	East Fairfield	Ohio.
McMullin, F	1858	Lapham	Minnesota.
McWilliams, Dr. Alexander	1858, '59	Leonardtown	Maryland.
Mack, A. W	1858, '59	Danvers	Massachusetts.
Mack, Robert C.	1854, '55, '56, '57	Londonderry	New Hampshire.
Mackenzie, John	1857, '58, '59	Moose Factory	Hudson Bay Ter.
Mackie, Matthew	1859	Clyde	New York.
Magee, Irving	1858	Spencertown	New York.
Magnetic Observatory	1855, '56, '57, '58, '59	Toronto	Canada.
Malcolm, William S.	1855, '56, '57, '58, '59	Oswego	New York.
Malden, J. J	1858, '59	Thunder Bay Island	Michigan.
Mallinckrodt, Conrad	1859	Augusta	Missouri.
Mann, William	1859	Superior	Wisconsin.
Marlow, Col. W. B	1855	Up Park Camp	Jamaica.
Marsh, Charles	1857, '58, '59	Woodstock	Vermont.
Marsh, Charles A. J.	1854	Craftsbury	Vermont.
Marshall, Rev. H. B.	1859	Hartland	Maine.
Martindale, J. C.	1854	Bustleton	Pennsylvania.
Mathews, D.	1859	Burlington	Wisconsin.
Mathews, Dr. M. M.	1859	Rochester	New York.
Mathews, Rev. Joseph McD.	1854, '55, '56, '57, '58, '59	Hillsborough	Ohio.
Martin, Dr. Alexander	1859	New Albany	Indiana.
Martin, Dr. G. A.	1859	Jacksonport	Arkansas.
Martin, Richard A.	1856	Newark	Delaware.
	1857, '58	Milford	Delaware.
Martin, William	1854, '55, '57, '58	Pittsburg, (Marine Hospital)	Pennsylvania.
Marvin, John W.	1854, '55, '56, '57, '58, '59	Winchester	Virginia.
Mason, E. E.	1859	Nebraska C'ty	Nebraska.
Mason, Prof. R. Z.	1856, '57, '58, '59	Appleton	Wisconsin.
Mattison, A.	1859	Paducah	Kentucky.
Mauld, Dr. D. W	1857, '58	Georgetown	Delaware.
Mauran, Dr. P. B	1855, '56, '57, '58, '59	St. Augustine	Florida.
Maxey, William F.	1859	Paris	Missouri.
Mayer, Prof. Alfred M.	1857, '58, '59	Baltimore	Maryland.
Meacham, H. G.	1858	Evanstown	Illinois.
Mead, D. S. B.	1854, '55, '56, '57, '58, '59	Augusta	Illinois.
Mead, Thompson	1857, '58, '59	Batavia	Illinois.
Meehan, Thomas	1859	Germantown	Pennsylvania.
Menifield, George C.	1859	Mishawaka	Indiana.
Meriwether, Charles J.	1854, '55	Montcalm	Virginia.
	1859	Westwood	Virginia.
Merrill, Dr. Edward	1856, '57, '58	Trinity	Louisiana.
Merrill, Rev. Samuel H.	1854, '55	Oldtown	Maine.
Metcalf, Dr. John George	1854, '55, '56, '57, '58, '59	Mendon	Massachusetts.
Metcalf, Henry	1859	Sackett's Harbor	New York.
Miles, Dr. M.	1854, '55	Flint	Michigan.
Millar, John H.	1859	Wyandotte City	Kansas.
Miller, Charles H.	1858, '59	Gilbert's Trading Post	Nebraska.
Miller, Rev. J.	1854	Millersburg	Kentucky.
Mitchell, Dr. R. W.	1859	Memphis	Tennessee.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Mitchell, E.	1858	St. George's	Bermuda.
Mitchell, Hon. William	1854,'55,'56,'57,'58,'59	Nantucket	Massachusetts.
Moke, James E	1859	Preston	Texas.
Moore, Albert	1859	Grenada	Mississippi.
Moore, Asa P	1859	Lisbon	Maine.
Moore, Dr. George Frank	1856,'57,'58,'59	Gaston	North Carolina.
Moore, J. A.	1858	Gaston	North Carolina.
Moore, Joseph	1856,'57,'58,'59	Richmond	Indiana.
Moore, Mahlon	1859	Morrisville	Pennsylvania.
Morehouse, A. W.	1855,'56,'57	Spencertown	New York.
Morrelle, Prof. Daniel	1854,'55	Thornbury	North Carolina.
	1856,'57,'58	Goldsborough	North Carolina.
Morris, Prof. O. W	1854,'55,'56,'57,'58,'59	New York	New York.
Mowry, George	1857,'58,'59	Somerset	Pennsylvania.
Mulligan, Andrew	1859	Charlotte	New York.
Munger, L. F	1854	Leroy	New York.
Navy Yard	1854	Memphis	Tennessee.
Neely, Edward B	1857,'58	St. Joseph's	Missouri.
Nelson, R. J.	1859	Halifax	Nova Scotia.
Nettleton, A	1854	Lynchburg	Virginia.
Newcomb, J. B.	1858,'59	Elgin	Illinois
Newton, John	1854,'55	Knox Hill	Florida.
Newton, William H	1855	Superior	Wisconsin.
Nichols, Charles L.	1859	Newcastle	Maine.
Nicholson, Rev. Joseph John	1859	Spring Hill Institute, near Mobile.	Alabama.
Norton, J. H	1856,'57	Plainville	New York.
Norvell, F.	1859	Greenwood	Dakota Ter.
Nourse, J. Harvey	1858,'59	Bayfield	Wisconsin.
Odell, Fletcher	1856,'57,'58,'59	Shelburne	New Hampshire.
Odell, Rev. Benjamin F.	1854,'55,'56,'58,'59	Poultney	Iowa.
	1856	Belle Prairie	Minnesota.
	1856,'57	Lake Winnibigoshish	Minnesota.
Offutt, Dr. John J. T.	1857	Capon Bridge	Virginia.
Oliver, John	1858,'59	Ottawa Point	Michigan.
Ormsby, G. S.	1854	College Hill	Ohio.
Orton, James	1855	Williamstown	Massachusetts.
Paddock, James A	1855,'56,'57,'58,'59	Craftsbury	Vermont.
Paine, Dr. H. M.	1857,'58,'59	Clinton	New York.
Paine, R. T.	1857	Boston	Massachusetts.
Palm, Swante	1857,'58,'59	Austin	Texas.
Palmer, F. B., (for Rev. Dr. Dewey)	1857	Rochester	New York.
Parker, J. D.	1854,'55,'56,'57,'58,'59	Steuben	Maine.
Parker, Joseph	1857,'58,'59	Rupert	Vermont.
Parker, Nathan H.	1856	Clinton	Iowa.
	1856,'57,'58	Camanche	Iowa.
Parsons, B. W.	1859	Bridgewater	Massachusetts.
Parsons, Lemuel H.	1854,'55,'56,'57,'58,'59	Lambertville	New Jersey.
Parvin, Theodore S.	1854,'55,'56,'57,'58,'59	Muscatine	Iowa.
Pashley, Dr. J. S.	1859	Mosinee	Wisconsin.
Patton, Dr. Thomas	1854,'55,'56,'57,'58	Lewisburg	Virginia.
Payne, Dr. John W	1854	Yorkville	Alabama.
Peabody, Prof. S. H.	1854	Fairfax	Vermont.
Peale, Dr. J. Burd	1858	Reading	Pennsylvania.
Pearce, James Alfred, jr.	1855,'56,'57	Chestertown	Maryland.
Pearson, John	1854,'55	Warrington	Florida.
Peck, Dr. William R	1857,'58,'59	Bowling Green	Ohio.
Pendleton, Dr. E. M	1854,'55,'56,'57,'58,'59	Sparta	Georgia.
Perkins, Capt. A. D	1854,'55	Monroe	Michigan.
Perkins, Dr. H. C	1854,'55,'56,'57,'58	Newburyport	Massachusetts.
Pernot, Prof. Claudius	1856,'57	Fordham	New York.
Perrault, Edward	1859	Lake George	Michigan.
Perry, William	1859	Cinnaminson	New Jersey.
Peters, Aaron	1859	Zanesville	Ohio.
Petty, McK	1857,'58,'59	Burlington	Vermont.
Phelps, H. E	1857	Great Salt Lake City	Utah Territory.
Phelps, W. W.	1858,'59	Great Salt Lake City	Utah Territory.
Phillips, J. Howard	1859	Cincinnati	Ohio.
Phillips, Prof. James, D.D	1854,'55,'56,'57,'58,'59	Chapel Hill	North Carolina.
Phillips, R. C.	1859	Cincinnati	Ohio.
Pickard, Dr. J. L.	1854,'55,'56,'57,'58,'59	Platteville	Wisconsin.
Pitcher, Dr. Zena	1858,'59	Detroit, (Marine Hospital)	Michigan.
Plumb, Dr. Ovid	1854	Salisbury	Connecticut.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Pickett, John	1859	The Plains	Virginia.
Poe, James H	1856	Scioto	Ohio.
	1856,'57,'58	Portsmouth	Ohio.
Pomeroy, F. C	1855,'56,'57,'58,'59	Milwaukee	Wisconsin.
Poole, Henry	1854	Albion Mines	Nova Scotia.
Porter, Mrs. E. D	1857,'58	Newark	Delaware.
Porter, Prof. William	1854,'55,'56,'57,'58,'59	Beloit	Wisconsin.
Posey, Dr. John F	1854,'55,'56,'57,'58,'59	Savannah	Georgia.
Potter, Dr. C. D	1859	Adams' Centre	New York.
Pratt, William C., (for Rev. Dr. Dewey)	1856	Rochester	New York.
Prentiss, H. C	1859	Worcester	Massachusetts.
Prescott, Dr. William	1854,'55,'56,'57	Concord	New Hampshire.
Preston, Rev. N. O	1859	Manhattan	Kansas.
Purdie, Dr. John R	1854,'55,'56,'57,'58,'59	Smithfield	Virginia.
Purdot, E	1854	Truxillo	Honduras, Central America.
Purmort, Nathaniel	1856,'57,'58	West Enfield	New Hampshire.
Quincy, Walter C	1856	Peach Grove Lodge	Virginia.
Raffensperger, E. B	1859	Toledo	Ohio.
Rain, John G	1859	Omaha	Nebraska.
Ralston, Rev. J. Grier	1854,'55,'56,'57,'58,'59	Norristown	Pennsylvania.
Randall, Robert B	1859	Crescent City	California.
Rankin, James	1854,'55,'56,'57,'58,'59	Saybrook	Connecticut.
Ravenel, H. W	1854,'55,'56,'57	Aiken	South Carolina.
Ravenel, T. P	1854,'56,'58,'59	St. John's	South Carolina.
Ray, Dr. L. G	1856,'57,'58,'59	Paris	Kentucky.
Rayel, James T	1859	Kaufman	Texas.
Read, D. E	1854	St. Mary's	Iowa.
Reed, E. G	1856	Homer	New York.
Reid, Dr. Robert K	1854,'56	Stockton	California.
Reid, James M	1857	Philomath	Georgia.
Reid, Peter	1856,'57,'58	Lake	New York.
Reynolds, Dr. William	1857,'58	Iowa City	Iowa.
Reynolds, W. C	1858,'59	Kanawha	Virginia.
Rhodes, Dr. John	1859	Hocking Port	Ohio.
Rhodes, W. H. T	1856	Washington	Texas.
Riblet, J. H	1856,'57,'58,'59	Pekin	Illinois.
Rice, Henry	1854,'55,'56,'57	North Attleborough	Massachusetts.
Rice, Dr. Frank H	1856	Worcester	Massachusetts.
Riggs, A. L	1854	Hazlewood	Minnesota.
Riggs, Rev. S. R	1854,'55,'56,'57,'58,'59	Hazlewood	Minnesota.
Riker, Walter H	1856,'57,'58,'59	Saratoga	New York.
Riter, F. G	1857,'58	Fort Union	Dakota.
Robey, Charles H	1859	Fredericksburg	Virginia.
Robinson, Rev. E. S	1854,'55	Garlandsville	Mississippi.
	1858,'59	Paulding	Mississippi.
Rodgers, A. P	1857,'58	Gallipolis	Ohio.
Rodman, Samuel	1854,'55,'56,'57,'58,'59	New Bedford	Massachusetts.
Rogers, J. S	1859	Marengo	Illinois.
Rogers, O. P	1856,'57,'58,'59	Marengo	Illinois.
Root, Dr. Martin N	1857	Francestown	New Hampshire.
Root, Prof. O	1856	Clinton	New York.
Ross, Bernard R	1858,'59	Fort Simpson	British America.
Rossiter, Prof. George R	1854	Ashland	Virginia.
Royal Engineers	1857	St. George's	Bermuda.
Rucker, R. H	1856,'57,'58,'59	Washington	Texas.
Ruffner, David L	1856,'57	Kanawha	Virginia.
Ruffin, Julian C	1856,'57,'58,'59	Ruthven	Virginia.
Salisbury, Elias O	1854,'55,'56,'57	Buffalo	New York.
Sanders, B. D	1858,'59	Cross Creek	Virginia.
Sanford, Prof. S. N	1854,'55,'56,'57	Granville	Ohio.
Sanford, R. M	1859	St. George's	Bermuda.
Sanford, Smith	1857,'58	Edinburg	Ohio.
Sanger, Dr. William W	1855,'56,'57	Blackwell's Island	New York.
Sargent, John S	1857,'58	Worcester	Massachusetts.
Sartorius, Charles	1854,'55,'56,'57,'58,'59	Mirador	Mexico.
	1858	Vera Cruz	Mexico.
Sartwell, Dr. H. P	1854,'55,'56,'57,'58,'59	Penn Yan	New York.
Savage, Rev. George S., M. D	1855,'56,'57,'58,'59	Millersburg	Kentucky.
Saville, Dr. John J	1857,'58,'59	Sioux City	Iowa.
Sawkins, James G	1856	Up Park Camp	Jamaica.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Sawyer, George B	1854, '55	Salmon Falls	New Hampshire.
Sawyer, Henry E	1854, '55, '56, '57	Great Falls	New Hampshire.
	1857, '58	Concord	New Hampshire.
Schauber, Hubert A	1859	Schenectady	New York.
Scheeper, E. H. A	1854, '55, '56	Pella	Iowa.
Schellerly, H. R	1854	Grand Traverse	Michigan.
Schenck, Dr. W. L	1856, '57	Franklin	Ohio.
Schlegel, Albert	1854, '55, '56	Taunton	Massachusetts.
Schley, W., jr.	1854	Richmond Hill	Georgia.
Schmidt, Dr. E. R	1856, '57, '58	Burlington	New Jersey.
Scholfield, N	1856, '57, '58	Norwich	Connecticut.
Schreiner, Francis	1854, '55, '56, '57	Moss Grove	Pennsylvania.
Schue, Dr. A	1856, '57	Madison	Wisconsin.
Schuman, Bruno	1859	Roundtop	Texas.
Scott, Samuel	1859	Worthington	Pennsylvania.
Scriba, Victor	1856	Troy Hill	Pennsylvania.
Seely, J. C., (for Rev. Dr. Dewey)	1858	Rochester	New York.
Selby, Henry	1859	Ontonagon	Michigan.
Sergeant, John T	1857, '58	Sergeantsville	New Jersey.
Seymour, E	1856	Racine	Wisconsin.
Shaffer, Dr. J. M	1855, '56, '57, '58, '59	Fairfield	Iowa.
Shaw, Francis	1857	Plainfield	Massachusetts.
Shaw, Joseph	1855, '56, '57, '58, '59	Bellefontaine	Ohio.
	1856, '57	Sidney	Ohio.
Sheerar, H. M	1857, '58	Wellsville	New York.
Sheldon, Dan'l	1859	Forestville	Iowa.
Sheldon, Henry C	1854	North Scituate	Rhode Island.
Shepherd, Rev. J. Avery	1854	Lake Washington	Mississippi.
	1858, '59	Montgomery	Alabama.
Shields, Rev. Robert	1854, '57, '58	Northwood	Ohio.
Sias, Prof. Solomon	1857, '58, '59	Fort Edward	New York.
	1859	Bonham	Texas.
Siebert, Samuel R	1856	Cascade Valley	Wisconsin.
Simpson, F. T	1857	Factory Mills	Georgia.
Simpson, B. F	1858	Freehold	New Jersey.
Skeen, Wm	1854, '56	Huntersville	Virginia.
Slaven, James	1857, '58	Meadow Dale	Virginia.
	1859	Union Ranche	California.
Slaven, Jesse B	1859	Meadow Dale	Virginia.
Slye, Dr. L C	1859	Waukesha	Wisconsin.
Small, F. A	1854	Biddeford	Maine.
Smallwood, Dr. Chas, LL. D	1854, '55, '56, '57, '58, '59	St. Martin	Canada
Smedley, John H	1859	Chromedale	Pennsylvania.
Smith, A. C	1858, '59	Forest City	Minnesota.
Smith, A. M	1858, '59	Nassau	Bahamas, W. I.
Smith, Charles B	1858, '59	Brownville	Nebraska.
Smith, Dr. Edward A	1854, '55	Worcester	Massachusetts.
Smith, Dr. Geo. O	1859	Bruce	Illinois.
Smith, Dr. Nathan D	1859	Washington	Arkansas.
Smith, E. L	1857	Boston	Massachusetts.
Smith, Isaac H	1857, '58	Fremont Centre	Illinois.
Smith, J. C	1857, '58, '59	Northwood	Ohio.
Smith, J. Edwards	1856	Natchez	Mississippi.
Smith, J. Metcalf	1856, '57	McGrawville	New York.
Smith, Hamilton, jr	1856, '57, '58, '59	Cannelton	Indiana.
Smith, Prof. B. Wilson	1856, '57	Mt. Vernon	Iowa.
Smith, Prof. Wm., D. D	1856, '57, '58, '59	Cannonsburg	Pennsylvania.
Smith, Rev. Stephen U	1859	Livingston	Alabama.
Smith, Rufus	1859	North Littleton	New Hampshire.
Smithsonian Institution	1854, '55, '56, '57, '58, '59	Washington	Dist. of Columbia.
Smyser, Dr. H	1854	Pittsburg, (Oakland Station)	Pennsylvania.
Smyser, Rev. B. R	1857	Pottsville	Pennsylvania.
Snell, Prof. E. S	1854, '55, '56, '57, '58, '59	Amherst	Massachusetts.
Snyder, James A	1858	Fort Snyder	Oregon.
Speer, Dr. Alex'r M	1858, '59	Pittsburg, (Marine Hospital)	Pennsylvania.
Spence, E. E	1858, '59	Montross	Virginia.
Spencer, Rev. D. B	1854	St. Joseph's	Minnesota.
Spooner, Dr. Stillman	1854, '55, '56, '57, '58, '59	Wampsville	New York.
Spooner, E	1854	Keene	Ohio.
Squier, Heber	1859	Fort Gratiot	Michigan.
	1859	Grand Haven	Michigan.
Stagg, T. G	1856, '57	Ridge	Maryland.
Stalnaker, J. W	1859	Lewisburg	Virginia.
Stanford, Col. John R	1859	Clarksville	Georgia.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Stebbins, George H	1858,'59	Portland	Oregon.
Steele, Judge Augustus	1854,'55,'56,'57,'58,'59	Atsena Otie	Florida.
Stephens, J. A	1857,'58	Springfield	Missouri.
Stephenson, Rev. James	1859	St. Mary's City	Maryland.
Sterling, Prof. J. W	1854,'55,'56,'57',58,'59	Madison	Wisconsin.
Stevens, Dr. R. P	1854	Ceres	Pennsylvania.
Stewart, Prof. Alexander P	1854	Lebanon	Tennessee.
Stewart, Prof. Wm. M	1854,'55,'56,'57,'58,'59	Glenwood	Tennessee.
Stewart, Thomas H	1857,'58,'59	Murrysville	Pennsylvania.
Strang, James J	1854,'55,'56	St. James	Michigan.
Streng, L. H	1854,'55,'56	Saugatuck	Michigan.
	1856	Holland	Michigan.
	1856	Newark	Michigan.
	1856,'57,'58,'59	Grand Rapids	Michigan.
Strickland, L. S	1859	Hartland	Maine.
Struthers, R. H	1857,'58	Lind	Wisconsin.
Stuart, Prof. A. P. S	1855,'56,'57,'58	Wolfville	Nova Scotia.
Stuntz, George R	1859	Superior	Wisconsin.
Sutherland, Norris	1859	Booneville	Missouri.
Sutton, George	1859	Aurora	Indiana.
Sutton, Prof. A	1859	Chestertown	Maryland.
Swain, Dr. John	1854,'55,'56	Ballardsville	Kentucky.
	1857,'58,'59	West Urbana	Illinois.
Swasey, C. B	1859	Tickfaw Station	Louisiana.
Swift, Dr. Paul	1854,'55,'56,'57,'58,'59	West Haverford	Pennsylvania.
Sylvester, E. Ware	1859	Lyons	New York.
Taylor, Dr. M. K	1854	Brooklyn	Michigan.
Taylor, Joseph W	1856	Plattsburg	New York.
Taylor, Lewes B	1856,'57,'58,'59	New Orleans	Louisiana.
Telegraph and Chronicle	1857	Cincinnati	Ohio.
Tenbrock, J. W	1859	Rockville	Indiana.
Tew, Captain C. C., Superintendent Arsenal Academy.	1858	Columbia	South Carolina.
Thickstun, T. F	1855,'56,'57,'58	Meadville	Pennsylvania.
	1859	Chatfield	Minnesota.
Thomas, Mrs. Wm. S	1859	Carbon Cliff	Illinois.
Thompson, Edgar P	1857	Albion	Illinois.
Thompson, Prof. Zadock	1854,'55	Burlington	Vermont.
Thompson, Mrs. Phebe	1856	Burlington	Vermont.
Thornton, Miss E. E	1859	Moorestown	New Jersey.
Tidswell, Miss Mary Alice	1859	Warrenton	Missouri.
Tirrell, Dr. Norton Quincy	1856,'57,'59	Weymouth	Massachusetts.
Titcomb, John S	1858	Hillsborough	Illinois.
Titus, Henry W	1857,'58,'59	Bellport	New York.
Titze, Henry A	1856,'57,'58,'59	West Salem	Illinois.
Tingley, Prof Jos	1854	Greencastle	Indiana.
Tolman, J. W	1857,'58,'59	Winnebago	Illinois.
Tompkins, William	1859	Germantown	New York.
Tourtellot, Dr. L. A	1856,'57	Utica	New York.
Tracy, James E	1859	East Smithfield	Pennsylvania.
Travelli, John J	1859	Sewickleyville	Pennsylvania.
Treat, Samuel W	1857,'58,'59	Windham	Ohio.
Troy, Dr. Matthew	1859	Cahaba	Alabama.
Tuck, Dr. W. J	1857,'58,'59	Memphis	Tennessee.
Tuomey, Prof. M	1854	Tuscaloosa	Alabama.
Turnbull, Lieut. C. N., Topographical Engineers.	1858	Forestville	Michigan.
	1858,'59	Fort Gratiot	Michigan.
Turner, A. P	1859	Patoka	Indiana.
Turner, T. A	1859	Springfield	Texas.
Tutwiler, Prof. Henry	1854,'55,'56,'57,'58,'59	Greene Springs	Alabama.
Tweedy, David H	1859	Mount Pleasant	Ohio.
Twiss, Major Thomas S	1859	Deer Creek	Nebraska.
Underwood, Col. D	1854,'55	Castleton	Vermont.
	1857,'58	Menasha	Wisconsin.
	1858,'59	Green Bay	Wisconsin.
Upshaw, Geo. Wythe	1857,'58,'59	Rose Hill	Virginia.
Uricoschea, Dr. E	1857	Bogota	New Granada.
Vagnier, Thomas	1858,'59	Notre Dame	Indiana.
Van Blascom, James	1859	Vassalborough	Maine.
Van Buren, Jarvis	1859	Clarksville	Georgia.
Van Doren, Abram	1858,'59	Falmouth	Virginia.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Van Kirk, W. J	1859	Bolivar	Missouri.
Van Kleek, Rev. R. D	1856,'57,'58,'59	Flatbush	New York.
Van Nostrand, J	1857,'58,'59	Austin	Texas.
Van Vorhes, A	1858	Stillwater	Minnesota.
Verrill, G. W., jr	1859	Norway	Maine.
Vogel, Charles	1859	Rhineland	Missouri.
Wade, F. S	1859	Cross Roads	Texas.
Wadsworth, A. S	1859	Henrietta	New York.
Wagner, W. H	1857,'58	Fort Thompson	Oregon.
Walker, Mrs. Mary A	1859	Hardinsburg	Kentucky.
Walker, Mrs. Octavia C	1854,'55,'56,'57,'58	Cooper	Michigan.
Wallace, Samuel Jacob	1856,'57	Carthage	Illinois.
Waller, Robert B	1856,'57,'58,'59	Greensborough	Alabama.
Walsh, Stephen	1857,'58	Buchanan	Min esota.
Ward, Rev. L. F	1857,'58	Medina	Ohio.
	1858,'59	Avon	Ohio.
Warder, A. A	1859	North Bend	Ohio.
Washburn, D	1858	Pottsville	Pennsylvania.
Washington, L	1856	Superior	Wisconsin.
Watson, George	1859	Woodstown	New Jersey.
Wattles, John O	1858,'59	Moneka	Kansas.
Weatherford, John M	1859	Lancaster	Missouri.
Webb, Dr. Robert D	1859	Livingston	Alabama.
Webb, Miss Georgiana	1859	South Bend	Indiana.
Weber, Philip	1859	Hermann	Missouri.
Webster, Prof. N. B	1854,'56,'57,'58,'59	Portsmouth	Virginia.
Weir, A. D	1854	Freeport	Pennsylvania.
Wells, J. Carson	1857,'58	Salem	Virginia.
Wells, William	1859	Stockton	Missouri.
West, Dr. N. P	1859	Burkeville	Texas.
West, Edmund W	1854	Huron	Ohio.
West, L. W	1859	Yellville	Arkansas.
West, Silas	1857,'58,'59	Cornish	Maine.
Westbrook, Samuel W	1859	West Green	North Carolina.
Westmoreland, Dr. J. G	1859	Atlanta	Georgia.
Wheeler, B. J	1855	East Montpelier	Vermont.
Whelpley, Miss Helen Irene	1854,'55,'56,'57,'58,'59	Monroe	Michigan.
Whipple, Capt. A. W	1859	Lake George	Michigan.
Whitaker, Benjamin	1856,'57,'58	Warsaw	Illinois.
Whitcomb, L. F	1857,58,'59	Florida	Massachusetts.
White, Aaron	1856,'57,'58,'59	Cazenovia	New York.
White, Bela	1859	Kanosha	Nebraska.
White, Capt. J. B., Superintendent Arsenal Academy.	1859	Columbia	South Carolina.
White, Peter	1857	Marquette	Michigan.
Whitehead, W. A	1854,'55,'56,'57,'58,'59	Newark	New Jersey.
Whitefield, Elwin	1859	Kandotta	Minnesota.
Whitner, Benjamin F	1856,'57,58,'59	Belair	Florida.
Whittlesey, Charles S	1856,'57	Copper Falls Mines	Michigan.
Wickline, Thomas J	1857	Longwood	Virginia.
Wieland, Henry	1859	Beaver Bay	Minnesota.
Wiessner, J	1857,'58	Washington	Dist. of Columbia.
Wiggin, Andrew	1859	Stratham	New Hampshire.
Wilbur, Benjamin F	1856,'57,'58	Monson	Maine.
	1858,'59	Dexter	Maine.
Willard, J. F	1854,'55,'56,'57,'58	Janesville	Wisconsin.
Williams, Dr. Peter O	1854,'55	Gouverneur	New York.
	1855,'56	Watertown	New York.
Williams, Prof. Milo G	1854,'55,'56,'57,'58,'59	Urbana	Ohio.
Williams, Rev. S. R	1858,'59	Louisville	Kentucky.
	1859	Lexington	Kentucky.
Willis, Henry	1855,'56,'57,'58,'59	Portland	Maine.
Willis, O. R	1857,'58,'59	Freehold	New Jersey.
Wilson, Joseph A	1859	Lexington	Missouri.
Wilson, Lavalette	1856	Williamstown	Massachusetts.
Wilson, Prof. J. H	1858,'59	College Hill	Ohio.
Wilson, Prof. W. C	1855,'56,'57,'58,'59	Carlisle	Pennsylvania.
Wilson, Prof. W. D	1856	Geneva	New York.
Wilson, W. W	1854,'55,'56,'57,'58	Pittsburg, (Oakland Station)	Pennsylvania.
Winchell, Prof. A	1854,'55,'56,'57	Ann Arbor	Michigan.
Winkler, Dr. Carl	1855,'56,'57,'58,'59	Milwaukee	Wisconsin.
Wislizenus, Dr. A	1857,'58	St. Louis	Missouri.
Wood, S. B	1855	Jackson	Ohio.

NAME OF OBSERVER.	DATE OF OBSERVATION.	STATION.	STATE.
Woodard, C. S	1854	Beaver Brook	New York.
	1857, '58	Michigan City	Indiana.
	1859	Ypsilanti	Michigan.
Woodbridge, William	1859	Michigan City	Indiana.
Woodin, S. F	1856	Spencertown	New York.
Woodruff, Lum	1854, '55, '56	Ann Arbor	Michigan.
Woodward, Lewis	1856', 57	West Concord	New York.
Woolsey, Dr. W. W	1856	Dubuque	Iowa.
Wright, Dr. Daniel F	1857	Memphis	Tennessee.
Wright, E. M	1857	Lapham	Minnesota.
Wyman, Almond H	1859	North Belgrade	Maine.
Wyrick, M. L	1859	Cassville	Missouri.
Yale, Walter D	1854, '56, '57, '58, '59	Houseville	New York.
Yellowby, E W	1859	Webberville	Texas.
Yeomans, Wm. H	1856, '57, '58, '59	Columbia	Connecticut.
Yoakum, F. L	1858, '59	Larissa	Texas.
Young, Albert A	1854	Hanover	New Hampshire.
Young, Prof. Charles A	1858, '59	Hudson	Ohio.
Young, Dr. J. A	1854, '55, '56, '57	Camden	South Carolina.
Young, Jude M	1858, '59	West Day	New York.
Young, Mrs. Lawrence	1854, '55, '56, '57, '58, '59	Springdale	Kentucky.
Young, Prof. Ira	1854	Hanover	New Hampshire.
Younger, Armistead	1859	Buck Horn	Arkansas.
Zaepffel, Joseph	1857, '58, '59	Morrisania	New York.
Zimmerman, Godfrey	1859	Buffalo	New York.
Zumbrock, Dr. A	1855, '56	Annapolis	Maryland.

LIST OF STATIONS, ARRANGED BY STATES,

FOR THE

YEARS 1854 TO 1859.

BRITISH AMERICA.

STATION.	PROVINCE.	STATION.	PROVINCE.
Albion Mines	Nova Scotia.	Red River Settlement	Hudson Bay Territory.
Fort Rae	Hudson Bay Territory.	Rigolet	Labrador.
Fort Simpson	Hudson Bay Territory.	St. John's	Newfonndland.
Halifax	Nova Scotia.	St. Martin	Canada.
Hamilton	Canada.	Stanbridge	Canada.
Horton.—(See Wolfville.)		Toronto	Canada.
Montreal	Canada.	Windsor	Nova Scotia.
Moose Factory	Hudson Bay Territory.	Wolfville	Nova Scotia.

UNITED STATES.

STATION.	COUNTY.	STATION.	COUNTY.
ALABAMA.		CALIFORNIA.	
Ashville	St. Clair.	Auburn	Placer.
Auburn	Macon.	Crescent City	Del Norte.
Cahaba	Dallas.	Downieville	Sierra.
Carlowville	Dallas.	Honcut Creek.—(See Union Ranche.)	
Greene Springs	Greene.	Marysville	Yuba.
Greensborough	Greene.	Monterey	Monterey.
Havana.—(See Greene Springs.)		Moquelumne Hill	Calaveras.
Livingston	Sumter.	Sacramento	Sacramento.
Mobile	Mobile.	San Francisco	San Francisco.
Monroeville	Monroe.	Santa Clara	Santa Clara.
Montgomery	Montgomery.	Stockton	San Joaquin.
Moulton	Lawrence.	Union Ranche	Yuba.
Orville	Dallas.	DISTRICT OF COLUMBIA.	
Selma	Dallas.	Georgetown	Washington.
Spring Hill Institute.—(See Mobile.)		Washington	Washington.
Tuscaloosa	Tuscaloosa.	CONNECTICUT.	
Uniontown	Perry.	Columbia	Tolland.
Wewokaville	Talladega.	Georgetown	Fairfield.
Yorkville	Pickens.	Lynde Point.—(See Saybrook.)	
ARKANSAS.		Middletown	Middlesex.
Arkadelphia	Clark.	New Haven	New Haven.
Bentonville	Benton.	New London	New London.
Brownsville	Prairie.	Norwich	New London.
Buck Horn	Independence.	Pomfret	Windham.
Camden	Washita.	Salisbury	Litchfield.
Flippins Barrens —(See Yellville.)		Saybrook	Middlesex.
Gainesville	Greene.	Wallingford	New Haven.
Jacksonport	Jackson.	West Cornwall	Litchfield.
Perryville	Perry.	DACOTAH.	
Pilot Prairie.—(See Waldron.)		Fort Union	(Mouth of Yellowstone.)
Spring Hill	Hempstead.	Greenwood	
Waldron	Scott.	Indian Agency.—(See Greenwood.)	
Washington	Hempstead.		
Yellville	Marion.		

UNITED STATES—Continued.

STATION.	COUNTY.
DELAWARE.	
Georgetown	Sussex.
Milford	Kent.
Newark	New Castle.
FLORIDA.	
Alligator	Columbia.
Atsena Otie	Levy.
Belair	Leon.
Cedar Keys.—(See Atsena Otie.)	
Gainesville	Alachua.
Hibernia	Duval.
Jacksonville	Duval.
Key West —(See Salt Ponds.)	
Knox Hill	Walton.
Lake City.—(See Alligator.)	
Micanopy	Alachua.
Orange Hill.—(See Knox Hill.)	Washington.
Pensacola.—(See Warrington)	
Pine Land Village.—(See Belair.)	
St. Augustine	St. John's.
Salt Ponds	Monroe.
Seville	Leon.
Tallahassee.—(See Belair.)	
Warrington	Escambia.
GEORGIA.	
Athens	Clarke.
Atlanta	Fulton.
Augusta	Richmond.
Clarksville	Habersham.
Covington	Newton.
Culloden	Monroe.
Factory Mills	Wilkes.
Hillsborough	Jasper.
La Grange	Troup.
Philomath	Oglethorpe.
Richmond Hill	Richmond.
Savannah	Chatham.
Sparta	Hancock.
The Rock	Upson.
Thomaston	Upson.
Thomson	Columbia.
Washington.—(See Factory Mills.)	
Whitemarsh Island	Chatham.
Zebulon	Pike.
ILLINOIS.	
Albion	Edwards.
Arispe.—(See Tiskilwa.)	
Athens	Menard.
Augusta	Hancock.
Aurora	Kane
Batavia	Kane.
Bloomington	McLean.
Brighton	Macoupin.
Bruce	McDonough.
Carbon Cliff	Rock Island.
Carthage	Hancock.
Chicago	Cook.
Dixon	Lee.
———	Edgar.
Edgington	Rock Island.
Elgin	Kane.
Evanstown	Cook.
Fremont Centre	Lake.
Galena	Jo Daviess.
Granville	Putnam.
Hillsborough	Montgomery.
Jacksonville	Morgan.
Lebanon	St. Clair.
Manchester	Scott.
Marengo	McHenry.
Naperville	Du Page.
Open Prairie.—(See Bruce.)	
Orchard Farm.—(See Pekin.)	
Ottawa	La Salle.
Pekin	Tazewell.
Peoria	Peoria.
Piasa Farms.—(See Brighton.)	
Riley	McHenry.
Sandwich	DeKalb.
South Pass	Union.
Tiskilwa	Bureau.
Upper Alton	Madison.
Warsaw	Hancock.
Waynesville	DeWitt.
West Salem	Edwards.
West Urbana	Champaign.
Wheaton	Du Page.
Willow Creek	Lee.
Winnebago	Winnebago.
Woodstock	McHenry.
INDIANA.	
Aurora	Dearborn.
Cannelton	Perry.
Evansville	Vanderburg.
Greencastle	Putnam.
Greenmount.—(See Richmond.)	
Kendallville	Noble.
Lafayette	Tippecanoe.
Logansport	Cass.
Madison	Jefferson.
Michigan City	Laporte.
Milton	Wayne.
Mishawaka	St. Joseph.
New Albany	Floyd.
New Harmony	Posey.
Notre Dame	St. Joseph.
Patoka	Gibson.
Richmond	Wayne.
Rockville	Parke.
Shelbyville	Shelby.
South Bend	St. Joseph.
INDIAN TERRITORY.	
Fort Gibson	
IOWA.	
Bellevue	Jackson.
Border Plains	Webster.
Burlington	Des Moines.
Camanche	Clinton.
Clinton	Clinton.
Davenport	Scott.
Dubuque	Dubuque.
Elk Township —(See Poultney.)	
Fairfield	Jefferson.
Fayette Village	Fayette.
Forestville	Delaware.
Fort Madison	Lee.
Franklin	Buchanan.
Iowa City	Johnson.
Keokuk	Lee.
Lyons City	Clinton.
Maquoketa	Jackson.
Mount Vernon	Linn.
Muscatine	Muscatine.
Pella	Marion.
Pleasant Plain	Jefferson.
Plum Spring	Delaware.

UNITED STATES—Continued.

STATION.	COUNTY.
Poultney	Delaware.
Quasqueton	Buchanan.
Richland.—(See Forestville.)	
Rossville	Allamakee.
St. Mary's	Linn.
Sioux City	Woodbury.
Waterloo	Black Hawk.
KANSAS.	
Burlingame	Shawnee.
Cayuga	Atchison.
Celestville.—(See Spring Hill.)	
Council City	Shawnee.
Denver City	Arapahoe.
Fort Riley	Riley.
Lawrence	Douglas.
Leavenworth City	Leavenworth.
Lecompton	Douglas.
Manhattan	Riley.
Mapleton	Bourbon.
Moneka	Linn.
Neosho Falls	Woodson.
Spring Hill	Lykins.
Topeka	Shawnee.
Wyandott City	Wyandott.
KENTUCKY.	
Ballardsville	Oldham.
Bardstown	Nelson.
Bowling Green	Warren.
Danville	Boyle.
Hardinsburg	Breckenridge.
Lexington	Fayette.
Louisville	Jefferson.
Millersburg	Bourbon.
Nolin	Hardin.
Paducah	Mount Cracken.
Paris	Bourbon.
Springdale	Jefferson.
LOUISIANA.*	
Black River Plantation	Catahoula.
False River.—(See Point Coupee.)	
Independence.—(See Tickfaw Station.)	
Moss Grove Plantation.—(See Trinity.)	
New Orleans	Orleans.
Point Coupee	Point Coupee.
St. Francisville	West Feliciana.
Tickfaw Station	Livingston.
Trinity	Catahoula.
MAINE.	
Belfast	Waldo.
Biddeford	York.
Blue Hill.—(See Oldtown.)	
Carmel	Penobscot.
Cornish	York.
Dexter	Penobscot.
East Exeter	Penobscot.
Freedom	Waldo.
Fryeburg	Oxford.
Gardiner	Kennebec.
Hartland	Somerset.
Lisbon	Androscoggin.
Monson	Piscataquis.
New Castle	Lincoln.
North Belgrade	Kennebec.
Norway	Oxford.
Oak Grove.—(See Vassalborough.)	
Oldtown	Hancock.
Perry	Washington.
Portland	Cumberland.
South Thomaston	Lincoln.
Steuben	Washington.
Topsham	Sagadahoc.
Vassalborough	Kennebec.
Warren	Lincoln.
Windham	Cumberland.
MARYLAND.	
Annapolis	Anne Arundel.
Baltimore	Baltimore.
Bladensburg	Prince George's.
Chestertown	Kent.
Frederick	Frederick.
Leitersburg (near)	Washington.
Leonardtown	St Mary's.
Lover's Point.—(See Leonardtown.)	
Oakland	Alleghany.
Point Lookout.—(See Ridge.)	
Ridge	St. Mary's.
St. Inigoes.—(See Ridge.)	
St. Mary's	St. Mary's.
Schellman Hall, Schellman Hills.—(See Sykesville.)	
Sykesville	Carroll.
MASSACHUSETTS.	
Amherst	Hampshire.
Barnstable.—(See Wood's Hole.)	
Boston	Suffolk.
Bridgewater	Plymouth.
Cambridge	Middlesex.
Canton	Norfolk.
Danvers	Essex.
Elmwood.—(See Richmond.)	
Falmouth.—(See Wood's Hole.)	
Florida	Berkshire.
Lawrence	Essex.
Mendon	Worcester.
Nantucket	Nantucket.
New Bedford	Bristol.
Newburyport	Essex.
North Attleborough	Bristol.
Plainfield	Hampshire.
Princeton	Worcester.
Richmond	Berkshire.
South Groton	Middlesex.
Southwick	Hampden.
Springfield	Hampden.
Taunton	Bristol.
Westfield	Hampden.
Weymouth	Norfolk.
Williamstown	Berkshire.
Wood's Hole	Barnstable.
Worcester	Worcester.
MICHIGAN.	
Ann Arbor	Washtenaw.
Battle Creek	Calhoun.
Beaver Island.—(See St. James.)	

* Parishes.

UNITED STATES—Continued.

STATION.	COUNTY.
Brooklyn	Jackson.
Cooper	Kalamazoo.
Copper Falls Mines	Houghton.
Corunna	Shiawassee.
Detroit	Wayne.
Eagle River	Houghton.
Flint	Genesee.
Forestville	Sanilac.
Fort Gratiot	St. Clair.
Grand Haven	Ottawa.
Grand Rapids	Kent.
Grand Traverse	Michilimackinac.
Holland	Ottawa.
Lake George	Chippewa.
Lansing	Ingham.
Marquette	Marquette.
Monroe	Monroe.
Newark	Gratiot.
New Buffalo	Berrien.
Ontonagon	Ontonagon.
Otsego	Allegan.
Ottawa Point	Josco.
Port Huron	St. Clair.
Romeo	Macomb.
St. James	Emmet.
St. Mary's River	Chippewa.
Saugatuck	Allegan.
Thunder Bay Island	Alpena.
Ypsilanti	Washtenaw.
MINNESOTA.	
Beaver Bay	Lake.
Belle Prairie	Morrison.
Buchanan	St. Louis.
Burlington	Lake.
Cass Lake Mission —(See Lake Winnibigoshish.)	
Chatfield	Fillmore.
Forest City	Meeker.
Hazlewood	Rice.
Kandotta	Stearns.
Lac qui Parle.—(See Hazlewood.)	
Lake Winnibigoshish	Pembina.
Lapham	Pembina.
Princeton	Benton.
Red Lake	Pembina.
Red Wing	Goodhue.
St. Anthony's Falls	Hennepin.
St. Joseph	Pembina.
Stillwater	Washington.
Wabashaw	Wabashaw.
MISSISSIPPI.	
Columbus	Lowndes.
Garlandville	Jasper.
Grenada	Yalobusha.
Hernando	De Soto.
Jackson	Jackson.
Lake Washington	Washington.
Natchez	Adams.
Oxford	Lafayette.
Paulding	Jasper.
Port Gibson	Clairborne.
Vicksburg	Warren.
Westville	Simpson.
MISSOURI.	
Augusta	St. Charles.
Bethany	Harrison.
Bolivar	Polk.
Boonville	Cooper.
Cape Girardeau	Cape Girardeau.
Carrollton	Carroll.
Cassville	Barry.
Dry Ridge.—(See Hannibal.)	
Dundee	Franklin.
Emerson	Marion.
Farmington	St. Francis.
Greenfield	Dade.
Greenville	Wayne.
Hannibal	Marion.
Harrisonville	Cass.
Hermann	Gasconade.
Hornersville	Dunklin.
Jefferson Barracks	St. Louis.
Kirksville	Adair.
Lancaster	Schuyler.
Lexington	Lafayette.
Luray	Clark.
Palmyra	Marion.
Paris	Monroe.
Prairie Glen Farm.—(See Kirksville.)	
Rhineland	Montgomery.
Richmond	Ray.
Rocheport	Boone.
St. Joseph	Buchanan.
St. Louis	St. Louis.
Springfield	Greene.
Stockton	Cedar.
Toronto.—(See Wet au Glaize.)	
Trenton	Grundy.
Tuscumbia	Miller.
Warrenton	Warren.
Wet au Glaize	Camden.
NEBRASKA.	
Bellevue	Sarpy.
Brownsville	Nemaha.
Deer Creek	
Elkhorn	Douglas.
Fontenelle	Dodge.
Fort Pierre	(On the Missouri river.)
Fort Union	(Mouth of Yellowstone.)
Gilbert's Trading Post	
Kanosha	Cass.
Nebraska City	Otoe.
Omaha	Douglas.
Pioneer Grove.—(See Omaha.)	
NEW JERSEY.	
Bloomfield	Essex.
Burlington	Burlington.
Cinnaminson	Burlington.
Freehold	Monmouth.
Lambertville	Hunterdon.
Moorestown	Burlington.
Morristown	Morris.
Newark	Essex.
New Brunswick	Middlesex.
Salem	Salem.
Sand Brook.—(See Sergeantsville.)	
Sergeantsville	Hunterdon.
Woodstown	Salem.
NEW HAMPSHIRE.	
Barnstead —(See North Barnstead.)	
Claremont	Sullivan.

UNITED STATES—Continued.

STATION.	COUNTY.
Concord	Merrimack.
Exeter	Rockingham.
Francestown	Hillsborough.
Great Falls	Strafford.
Hanover	Grafton.
Laconia	Belknap.
Lake Village	Belknap.
Londonderry	Rockingham.
Manchester	Hillsborough.
Mount Washington	Coos.
North Barnstead	Belknap.
North Littleton	Grafton.
Salmon Falls	Stapleford.
Shelburne	Coos.
Stratford	Coos.
Stratham	Rockingham.
West Enfield	Grafton.
NEW YORK.	
Adams Centre	Jefferson.
Angelica	Alleghany.
Baldwinsville	Onondaga.
Beaver Brook	Sullivan.
Bellport	Suffolk.
Beverly	Putnam.
Blackwell's Island	New York.
Brown Cottage.—(See Eden.)	
Buffalo	Erie.
Canton	St. Lawrence.
Cazenovia	Madison.
Charlotte	Monroe.
Chatham	Columbia.
Clinton	Oneida.
Clyde	Wayne.
Covert.—(See Lodi.)	
Dansville	Livingston.
Eden	Erie.
Falconer	Chautauque.
Farmer.—(See Lodi.)	
Fishkill	Dutchess.
Flatbush	Kings.
Flushing	Queens.
Fordham	Westchester.
Fort Edward	Washington.
Fort Niagara	
Geneva	Ontario.
Germantown	Columbia.
Gouverneur	St. Lawrence.
Great Valley	Cattaraugus.
Havana	Schuyler.
Henrietta	Monroe.
Homer	Cortland.
Hopewell.—(See Wilson.)	
Houseville	Lewis.
Ilion	Herkimer.
Lake	Washington.
Leroy	Genesee.
Liberty	Sullivan.
Lockport	Niagara.
Lodi	Seneca.
Lowville	Lewis.
Lyons	Wayne.
Madrid	St. Lawrence.
McGrawville	Cortland.
Mexico	Oswego.
Morrisania	Westchester.
New York	New York.
Nichols	Tioga.
North Salem	Westchester.
Ogdensburg	St. Lawrence.
Oswego	Oswego.
Ovid	Seneca.
Penn Yan	Yates.
Philipstown.—(See Beverly.)	
Pine Hill.—(See Buffalo.)	
Plainville	Onondaga.
Plattsburg	Clinton.
Pompey	Onondaga.
Rochester	Monroe.
Sackett's Harbor	Jefferson.
Sag Harbor	Suffolk.
Saratoga	Saratoga.
Schenectady	Schenectady.
Sennett	Cayuga.
Smithville	Jefferson.
Spencertown	Columbia.
Townsendville.—(See Lodi.)	
Troy	Rensselaer.
Utica	Oneida.
Wales	Erie.
Wampsville	Madison.
Waterford	Saratoga.
Watertown	Jefferson.
Wellsville	Alleghany.
West Concord	Erie.
West Day	Saratoga.
West Farms.—(See Morrisania.)	
Wilson	Niagara.
NORTH CAROLINA.	
Ashville	Buncombe.
Chapel Hill	Orange.
Davidson College	Mecklenburg.
Gaston	Northampton.
Goldsborough	Wayne.
Green Plains.—(See Gaston.)	
Jackson.—(See Thornbury.)	
Marlborough	Pitt.
Murfreesborough	Hertford.
Raleigh	Wake.
Thornbury	Northampton.
Warrenton	Warren.
West Green	Guilford.
OHIO.	
Arcola.—(See Unionville.)	
Avon	Lorain.
Belle Centre.—(See Northwood.)	
Bellefontaine	Logan.
Berea	Cuyahoga.
Bowling Green	Wood.
Brecksville	Cuyahoga.
Cheviot	Hamilton.
Cincinnati	Hamilton.
Cleveland	Cuyahoga.
College Hill	Hamilton.
Collingwood	Lucas.
Cunningham's Island.—(See Kelley's Island.)	
Dallasburg	Warren.
Dayton	Montgomery.
Dudley	Hardin.
East Fairfield	Columbiana.
Edinburg	Portage.
Elk Run Township.—(See East Fairfield.)	
Franklin	Warren.
Freedom	Portage.
Gallipolis	Gallia.

UNITED STATES—Continued.

STATION.	COUNTY.
Geneva Hall.—(See Northwood.)	
Germantown	Montgomery.
Granville	Licking.
Hillsborough	Highland.
Hiram	Portage.
Hocking Port	Athens.
Hudson	Summit.
Huron	Erie.
Iberia	Morrow.
Jackson	Jackson.
Jackson	Monroe.
Jefferson	Ashtabula.
Keene	Coshocton.
Kelley's Island	Erie.
Lancaster	Fairfield.
Madison	Lake.
Marietta	Washington.
Marion	Marion.
Medina	Medina.
Montville	Medina.
Mount Pleasant	Jefferson.
Mount Union	Stark.
Newark	Licking.
New Lisbon	Columbiana.
Northwood	Hamilton.
North Bend	Logan.
Norwalk	Huron.
Oberlin	Loraine.
Perrysburg	Wood.
Pine Fork of Short creek.—(See Mount Pleasant.)	
Portsmouth	Scioto.
Ravenna.—(See Freedom.)	
Richmond	Jefferson.
Ripley	Brown.
Rockport	Cuyahoga.
Savannah	Ashland.
Scioto	Scioto.
Sharonville	Hamilton.
Sidney	Shelby.
Toledo	Lucas.
Troy	Miami.
Unionville	Lake.
Urbana	Champaign.
Welshfield	Geauga.
West Bedford	Coshocton.
Westerville	Franklin.
Windham	Portage.
Yankeetown	Darke.
Zanesfield	Logan.
Zanesville	Muskingum.
OREGON.	
Fort Snyder	Thompson Pass.
Fort Thompson	
Fort Vancouver	
Oregon City	Clackamas.
Portland	Multonomah.
Salem	Marion.
PENNSYLVANIA.	
Altoona	Blair.
Bedford	Bedford.
Bellefonte	Centre.
Bendersville	Adams.
Berwick	Columbia.
Brookville	Jefferson.
Bustleton	Philadelphia.
Byberry	Philadelphia.
Cannonsburg	Washington.
Carlisle	Cumberland.
Ceres	McKean.
Chambersburg	Franklin.
Chromedale	Delaware.
Easton	Northampton.
East Smithfield	Bradford.
Fleming	Centre.
Freeport	Armstrong.
Germantown	Philadelphia.
Gettysburg	Adams.
Harrisburg	Dauphin.
Kingsley's.—(See Moss Grove.)	
Lewisburg	Union.
Lima.—(See Chromedale.)	
Linden	Lycoming.
Meadville	Crawford
Media.—(See Chromedale.)	
Morrisville	Bucks.
Moss Grove	Crawford.
Mount Joy	Lancaster.
Murraysville	Westmoreland.
Nazareth	Northampton.
Norristown	Montgomery.
North Whitehall	Lehigh.
Oakland Station.—(See Pittsburg.)	
Paradise	Lancaster.
Philadelphia	Philadelphia.
Pittsburg	Alleghany.
Pleasant Ridge.—(See Bendersville.)	
Pocopson	Chester.
Pottsville	Schuylkill.
Randolph	Crawford.
Reading	Berks.
Sewickleyville	Alleghany.
Shamokin	Northumberland.
Somerset	Somerset.
Sugar Grove	Warren.
Tarentum	Alleghany.
Troy Hill	Alleghany.
Warrior's Mark	Huntington.
West Haverford	Delaware.
Westtown	
Worthington	Armstrong.
Youngsville	Warren.
RHODE ISLAND.	
Acquidneset	Washington.
East Greenwich.—(See Acquidneset.)	Washington.
North Scituate	Providence.
Providence	Providence.
SOUTH CAROLINA.*	
Aiken	Barnwell.
All Saints Parish	Georgetown.
Black Oak.—(See St. John's Berkley)	
Camden	Kershaw.
Charleston	Charleston.
Columbia	Richland.
Edgefield	Edgefield.
Edisto Island	Colleton.
Mount Pleasant	Laurens.
St. John's Berkley Parish	Charleston.
Waccamaw.—(See All Saints.)	

* Districts.

UNITED STATES—Continued.

STATION.	COUNTY.
TENNESSEE.	
Clarksville.—(See Glenwood.)	
Friendship	Dyer.
Glenwood	Montgomery.
Greenville.—(See Walnut Grove.)	
Knoxville	
La Grange	Fayette.
Lebanon	Wilson.
Memphis	Shelby.
Pomona	Cumberland.
University Place	Franklin.
Walnut Grove	Greene.
Winchester	Franklin.
TEXAS.	
Austin	Travis.
Bastrop	Bastrop.
Bonham	Fannin.
Boston	Bowie.
Burkeville	Newton.
Columbus	Colorado.
Cross Roads	Williamson.
Dallas	Dallas.
Gilmer	Upshur.
Goliad	Goliad.
Gonzales	Gonzales.
Greenville	Hunt.
Helena	Karnes.
Huntsville	Walker.
Jefferson	Cass.
Kaufman	Kaufman.
Larissa	Cherokee.
New Braunfels	Comal.
New Wied —(See New Braunfels.)	
Pin Oak	Fayette.
Port La Vaca	Calhoun.
Preston	Grayson.
Roundtop	Fayette.
San Patricio	San Patricio.
Sisterdale	Blanco
Springfield	Limestone.
Tarrant	Hopkins.
Texana	Jackson.
Union Hill	Washington.
Washington	Washington.
Webberville	Travis.
Wheelock	Robertson.
Woodborough.—(See Preston.)	
UTAH	
Great Salt Lake City	Salt Lake.
VERMONT	
Bradford	Orange.
Brandon	Rutland.
Burlington	Chittenden.
Castleton	Rutland.
Craftsbury	Orleans
East Montpelier	Washington.
Fairfax	Franklin.
Lunenburg	Essex.
Norwich	Windsor.
Rupert	Bennington.
St Johnsbury	Caledonia.
Shelburn	Chittenden.
West Fairlee	Orange.
Woodstock	Windsor.

STATION.	COUNTY.
VIRGINIA.	
Alexandria	Alexandria.
Ashland.—(See Buffalo.)	
Berryville	Clark.
Buffalo	Putnam.
Capon Bridge	Hampshire.
Charlottesville.—(See Montview.)	
Cobham Depot.—(See Rougemont.)	
Crack Whip	Hardy.
Crichton's Store	Brunswick.
Cross Creek	Brooke.
Diamond Grove.—(See Crichton's Store.)	
Falmouth	Stafford.
Fork Union	Fluvanna.
Fredericksburg	Spottsylvania.
Garysville	Prince George.
Genito.—(See Crichton's Store.)	
Hartwood —(See Falmouth.)	
Hill Grove.—(See Fork Union.)	
Holliday's Cove	Hancock.
Huntersville	Pocahontas.
Kanawha	Kanawha.
Kanawha Salines —(See Poplar Grove.)	
Lewinsville	Fairfax.
Lewisburg	Greenbrier.
Longwood	Rockbridge.
Lynchburg	Campbell.
Meadow Dale	Highland.
Montcalm	Albemarle.
Montross	Westmoreland.
Mont View	Albemarle.
Mossy Creek	Augusta.
Mount Solon	Augusta.
Mustapha	Wood
New Creek Depot	Hampshire.
New England.—(See Mustapha.)	
Peach Grove Lodge	Doddridge.
Peach Lawn.—(See Falmouth.)	
Pennsboro'.—(See Peach Grove Lodge.)	
Point Pleasant	Mason.
Poplar Grove	Kanawha.
Portsmouth	Norfolk.
Richmond —(See Westwood.)	
Rose Hill	Essex.
Rougemont	Albemarle.
Ruthven	Prince George.
Salem	Roanoke.
Sistersville	Tyler.
Smithfield	Isle of Wight.
Stribling Springs	Augusta.
The Plains	Fauquier.
Trout Run Valley.—(See Crack Whip.)	
Wardensville.—(See Crack Whip.)	
Wellsburg —(See Cross Creek.)	
West Union.—(See Peach Grove Lodge.)	
Westwood	Henrico.
Wheeling	Ohio.
Winchester	Frederick.
Wirt Court House	Wirt.
Woodbourne.—(See Garyville.)	
WISCONSIN.	
Appleton	Outagamie
Bay City	La Pointe.

UNITED STATES—Continued.

STATION.	COUNTY.	STATION.	COUNTY.
Bayfield	La Pointe.	Milwaukee	Milwaukee.
Bellefontaine	Marquette.	Mosinee	Marathon.
Beloit	Rock.	Nashata Lake.—(See Delafield.)	
Black River Falls Iron Works.—(See New Danemora.)		New Danemora	Jackson.
		New London	Waupaca.
Burlington	Racine.	Norway	Racine.
Cascade Valley	Buffalo.	Otsego	Columbia.
Ceresco	Fond du Lac.	Pardeeville	Columbia.
Chegoinigan Bay.—(See Bay City.)		Plattsville	Grant.
Delafield	Waukesha.	Prescott	Pierce.
Green Bay	Brown.	Racine	Racine.
Janesville	Rock.	Rocky Run	Columbia.
Kenosha	Kenosha.	St. Croix	Polk
Lake Mills	Jefferson.	Springdale.—(See Pardeeville.)	
Lind	Waupaca.	Superior	Douglas.
Madison	Dane.	Waukesha	Waukesha
Menasha	Winnebago.	Wausau	Marathon.

MEXICO AND CENTRAL AMERICA.

STATION.	COUNTRY.	STATION.	COUNTRY.
Cordova	Mexico.	Mirador	Mexico.
Guatemala	Guatemala.	Truxillo	Honduras.
Mexico	Mexico.	Vera Cruz	Mexico.
Minatitlan	Mexico.		

WEST INDIES AND OTHER ISLANDS.

Centre Signal Station	Bermuda.	St Georges	Bermuda.
Horta	Azores.	Shelby Bay	Bermuda.
Ireland Island	Bermuda.	Turk's Island	Bahamas.
Nassau	Bahamas.	Up Park Camp	Jamaica.
Port of Spain	Trinidad.		

SOUTH AMERICA.

Assumption	Paraguay.	Catharina Sophia, Surinam	Dutch Guiana.
Barbacoos	New Granada.	Chanacillo	Chili.
Bogota	New Granada.	Colonia Tovar	Venezuela.
Caraccas	Venezuela.		

EASTERN CONTINENT.

Jerusalem	Palestine.	Nengenenge	Africa.
Mosul	Mesopotamia.		

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1854.

NO. 1.—LIST OF STATIONS AND OBSERVERS, 1854.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet*		
Aiken, S. C.	33 32	81 34	565	8	H W. Ravenel.
Albion Mines, Nova Scotia	45 31½	62 42	128	3	Henry Poole.
Alexandria, Va.	38 48	77 01	56	12	Benj. Hallowell and others.
All Saints, S. C.	33 40	79 17	20	2	Rev. A. Glennie.
Amherst, Mass.	42 22	72 34	267	12	Prof. E. S. Snell
Angelica, N. Y.	42 15	78 01	1,500	8	Dr E. M. Alba.
Ann Arbor, Mich.	42 15	83 30	.....	12	L. Woodruff
Ann Arbor, Mich.	42 16	83 44	891	12	Prof. A. Winchell.
Ashland, Va.	38 38	81 57	.....	12	Prof. Geo. R. Rossiter and Sam'l Couch.
Assumption, Paraguay, S. A.	25 16 S	57 45	.....	6	E. A. Hopkins, United States Consul.
Athens, Ill.	39 52	89 56	.....	12	Joel Hall.
Augusta Ill.	40 12	90 45	.....	12	Dr. S. B. Mead.
Augusta, Ga.	33 28	81 54	.....	7	W. Haines.
Austin, Texas	30 20	97 46	.....	12	Dr S. K. Jennings.
Baldwinsville, N. Y.	43 04	76 41	.....	12	John Bowman
Ballardsville, Ky.	38 24	85 31	.....	10	Dr. John Swain.
Barbacoes, New Grenada, S. A.	8 30	79 00	65	1	E. L. Berthoud.
Batavia, Ill.	41 48	88 23	.....	8	Prof. Wm. Coffin.
Battle Creek, Mich.	42 20	85 01	.....	12	Dr. W. M. Campbell.
Beaver Brook, N. Y.	41 20?	74 50?	700?	10	C. S. Woodard.
Bedford, Pa.	40 01	78 30	.....	11	Samuel Brown
Bellefontaine, Wis.	43 40	89 15	.....	8	Thomas Gay.
Beloit, Wis.	42 30	89 04	750	12	Prof. S. R. Lathrop, Prof. W. Porter, and others.
Beverly, N. Y.	41 23	74 02	180	11	Thos. B. Arden
Biddeford, Me.	43 29	70 27	41	2	Jas. G. Garland and F. A. Small.
Bladensburg, Md.	38 57	76 58	.....	1	B. O. Lowndes.
Bloomfield, N. J.	40 49	74 11	120	12	Robert L Cook.
Brandon, Vt.	43 45	73 08	.....	12	D. Buckland.
Brooklyn, Mich.	42 06	83 36	1,020	3	Dr. M. K. Taylor.
Brookville, Pa.	41 12	79 08	.....	6	D. S Dearing.
Buffalo, N. Y.	42 50	79 33	606	2	Dr. Sandford B. Hunt.
Buffalo, N. Y.	42 50	79 33	561	1	W. D. Allen.
Buffalo, N. Y.	42 50	79 33	.....	11	E. O. Salisbury.
Burlington, N. J.	40 61	74 55	26	12	Rev. Adolph Frost.
Burlington, Vt.	44 29	73 11	346	12	Prof. Zadock Thompson.
Bustleton, Pa.	40 65	75 01	.....	1	J. C. Martindale.
Byberry, Pa.	40 06	74 58	.....	8	John Comly.
Camden, S. C.	34 17	80 33	275	12	Thornton Carpenter and J. A. Young.
Canton, N. Y.	44 38	76 15	304	12	E. W. Johnson.
Carmel, Maine	44 47	69 00	175	12	John J. Bell.
Castleton, Vt.	43 34	73 09	.....	12	D. Underwood.
Cedar Keys, Fa.	29 08	83 03	.....	12	Judge Augustus Steele.
Ceres, Pa.	42 00	78 25	1,440	3	Dr. R. P. Stevens
Ceresco, Wis.	43 50	88 57	917	6	Miss Mary E. Baker.
Chapel Hill, N. C.	35 54	79 17	.....	12	Prof. James Phillips.
Chatham, N. Y.	42 26	73 30	.....	5	C. T. Chase
College Hill, Ohio, (Farmers' College)	39 10?	84 25?	.....	11	Prof. R. S. Bosworth and G. S. Ormsby.
Colonia Tovar, Venezuela, S. A.	10 26	67 20	6,500	9	A. Fendler.
Columbia, S. C.	33 57	81 07	.....	1	
Concord, N. H.	43 12	71 29	374	12	Dr. Wm. Prescott.
Cooper, Mich.	42 40	85 31	.....	6	Mrs O. C. Walker.
Craftsbury, Vt.	44 40	72 29	1,100	9	Charles A. J. Marsh.
Crichton's Store, Va.	37 20?	77 50?	.....	12	Lieut. B. F. Astrop.
Culloden, Ga.	32 51	84 13	825	6	Prof. John Darby.
Danville, Ky.	37 40	84 31	950	12	O. Beatty.
Detroit, Mich.	42 24	83 06	620	12	Rev. Geo. Duffield.
Dubuque, Iowa	42 29	90 50	680	12	Dr. Asa Horr.
Exeter, N. H.	42 58	70 55	.....	12	Rev. L. W. Leonard.
Fairfax, Vt.	44 39	72 58	.....	1	Prof. S. H. Peabody.
Falconer, N. Y.	42 05	79 10	.....	3	Lawrence A. Langdon.
Fishkill, N. Y.	41 34	74 18	42	12	William Hukness.

* For the different names by which in some cases the same place is designated by the observers see the General List of Stations in the introduction.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1854—Continued.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Flint, Mich	42 58	83 39	.....	12	Drs. Clarke and Miles.
Fort Madison, Iowa	40 37	91 28	.....	12	D. McCready.
Fort Pierre, Neb	44 23	100 11	.....	5	F. Behmer.
Fort Union, Neb	48 15	103 15	.....	6	E. T. Denig.
Frederick, Md	39 24	77 18	.....	12	Henry E. Hanshew.
Freeport, Pa	40 30	79 41	1,000	5	A. D. Weir.
Fryeburg, Me	44 03	71 00	.....	12	George W. Burrows.
Gallipolis, Ohio	39 00	82 01	520	10	D. G. W. Livezay.
Garlandsville, Miss	32 23	89 20	.....	12	Rev. E. Robinson.
Geneva Hall, Ohio	40 30	83 51	.....	4	R. Shields.
Germantown, Ohio	39 30	84 20	720	12	L. Groneweg.
Gettysburg, Pa	39 51	77 15	.....	12	Prof. M. Jacobs.
Glenwood, Tenn	36 28	87 13	481	12	W. M. Stewart.
Gouverneur, N. Y	44 25	75 35	.....	12	Dr. P. O. Williams.
Grand Rapids, Mich	43 00	86 00	743	8	Alfred E. Currier.
Grand Traverse, Mich	44 56	85 30	.....	2	H. R. Schellerly.
Granville, Ohio	40 04	82 34	.....	10	Prof. S. N. Sanford.
Great Falls, N. H	43 18	70 52	250	6	H. E. Sawyer.
Greencastle, Ind	39 39	86 46	.....	2	Prof. Jos. Tingley.
Greene Springs, Ala	32 50	89 46	.....	5	Prof. H. Tutwiler.
Halifax, Nova Scotia (*a*)	44 39	63 36	.....	12	
Hamilton, Canada West	43 15	79 56	.....	12	Dr. W. Craigie.
Hannibal, Mo	39 44	91 23	.....	12	O. H. P. Lear.
Hanover, N. H., (Dartmouth College)	43 42	72 17	530	12	Prof. Ira Young and Albert A. Young.
Harrisburg, Pa	40 16	76 50	.....	12	Dr. J. Heisely.
Hillsborough, Ohio	39 13	83 30	1,000	12	Rev. J. M. D. Matthews.
Houseville, N. Y	43 40	75 32	.....	1	W. D. Yale.
Huntersville, Va	39 30	80 01	2,640	3	W. S. Kern.
Huntsville, Texas	30 41	95 29	.....	2	
Huron, Ohio	41 25	82 40	.....	5	Edmund W. West.
Jackson, Miss	32 00	90 00	.....	5	A. R. Green.
Jackson, Ohio	39 07	82 30	700	11	Rev. L. Crookham.
Jacksonville, Fa	30 15	82 00	14	12	Dr. A. S. Baldwin.
Janesville, Wis	42 42	89 09	768	12	J. F. Willard.
Jefferson Barracks, Mo	38 37	90 16	482	12	
Keene, Ohio	40 23	81 53	.....	1	E. Spooner.
Kendallville, Ind	40 28	85 13	975	8	J. Knauer and W. B. Coventing.
Keokuk, Iowa	40 25	91 21	.....	5	Dr. J. E. Ball and Mrs. Ida E. Ball.
Key West, Fa	24 33	81 48	4	12	Wm. C. Dennis.
Knox Hill, Fa	30 30	86 01	148	12	John Newton.
Knoxville, Tenn	35 59	83 54	1,000	12	Prof. Geo. Cooke.
Lac qui Parle, Minn	45 00	95 30	.....	5	Rev. S. R. and A. L. Riggs.
Lafayette, Ind	40 25	86 49	620	2	A. H. Bixby.
Lake Washington, Miss	33 00	91 06	.....	7	Rev. J. A. Shepherd.
Lambertville, N. J	40 23	74 56	.....	12	L. H. Parsons.
Lebanon, Tenn	36 15	86 15	.....	3	Prof. A. P. Stewart.
Leroy, N. Y	42 57	78 07	.....	5	L. F. Munger.
Lewisburg, Va	37 49	80 28	.....	12	Dr. Thomas Patton.
Lima, Pa	39 55	75 25	196	12	Joseph Edwards.
Lodi, N. Y	42 37	76 53	.....	12	John Lefferts.
Logansport, Ind	40 45	86 25	.....	2	E. L. Berthoud.
Londonderry, N. H	42 53	71 20	.....	12	Robert C. Mack.
Lowville, N. Y	43 46	75 28	.....	2	Ira R. Adams.
Lynchburg, Va	36 30	79 07	575	7	A Nettleton.
Madison, Ind	.....	.....	.....	2	C. Barnes.
Madison, Ohio	41 55	81 06	725	1	Miss Ardelia Cunningham.
Madison, Wis	43 05	89 25	892	9	Profs. S. H. Carpenter and S. K. Sterling.
Madrid, N. Y	44 43	75 33	280	9	E. A. Dayton.
Manchester, Ill	39 33	90 35	723	5	John Grant.
Manchester, N. H	42 59	71 28	300	12	Hon. S. N. Bell.
Marietta, Ohio	39 25	81 29	.....	11	Prof. J. W. Andrews.
Memphis, Tenn	35 06	90 08	.....	10	Navy Yard.
Mendon, Mass	42 06	71 34	.....	12	Dr. John G. Metcalf.

(*a*) From meteorological papers of British Board of Trade.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1854—Continued.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Millersburg, Ky	38 40	84 27	804	9	Rev. J. Miller.
Milton, Ind	39 47	85 02	800	12	Dr. V. Kersey.
Milwaukie, Wis	43 04	87 57	593	11	I. A. Lapham.
Mirador, Mexico	19 50	96 25	3,500	12	Carl Sartorius.
Monroe, Mich	41 56	83 22	590	12	H. Whelpley.
Monroe, Mich	41 58	83 24	.....	1	Capt. A. D. Perkins.
Monroeville, Ala	31 33	87 25	.....	12	S. J. Cumming.
Montcalm, Va	38 05	78 21	450	6	C. S. Meriwether.
Morrisville, Pa	40 12	74 53	30	12	Ebenezer Hance.
Moss Grove, Pa	41 40	79 51	.....	11	F. Schreiner.
Mosul, Mesopotamia, Asia	36 22	43 14E.	.....	12	
Mount Vernon, Ohio	40 25	82 31	.....	5	F. A. Benton
Muscatine, Iowa	41 26	91 05	586	12	T. S. Parvin.
Nantucket, Mass	41 17	70 06	30	12	Hon. Wm. Mitchell.
Newark, Del., (Delaware College)	39 38	75 47	120	2	Prof. W. A. Crawford.
Newark, N. J	40 45	74 10′	.....	7	W. A. Whitehead.
New Bedford, Mass	41 39	70 56	90	12	Samuel Rodman.
Newburyport, Mass	42 49	70 53	.....	11	Dr. H. C. Perkins.
New Creek Depot, Va	39 25	79 00	.....	3	M. McDonald.
New Harmony, Ind	38 08	87 09	320	12	John Chappelsmith.
New London, Conn	41 22	72 09	90	12	Rev. T. Edwards, D D.
New Orleans, La	29 57	90 00	.....	11	Dr. E. H. Barton.
New Wied, Texas	29 42	98 15	.....	12	Prof. J. C. Ervendberg.
New York city, N. Y	40 42	74 01	55	12	J. C. Gibbons.
New York city, N. Y., (D. & D. Inst.)	40 43	74 05	159	12	Prof. O. W. Morris.
Norristown, Pa	40 08	75 19	153	12	Rev. J. G. Ralston.
North Attleboro', Mass	41 52	71 23	175	12	Henry Price.
North Scituate, R. I	41 50	71 34	300	6	Henry C. Sheldon.
Norwalk, Ohio	41 13	82 43	.....	3	Gustavus A. Hyde.
Oberlin, Ohio	41 20	82 15	800	12	Professor J. H. Fairchild.
Ogdensburg, N. Y	44 43	75 26	.....	2	W. E. Guest.
Oldtown, Maine	44 48	68 45	137	4	Rev. Samuel H. Merrill.
Oswego, N. Y	43 25	76 35	.....	3	J. H. Hart.
Ottawa, Ill	41 20	88 47	.....	12	Dr. J. O. Harris.
Oxford, Miss	34 20	89 25	300	3	Professor L. Harper.
Paradise, Pa	40 00	76 08	.....	12	Jacob Franz.
Pella, Iowa	41 30	92 55	.....	8	E. H. A. Scheeper.
Penn Yan, N. Y	42 42	77 11	740	12	Dr. H. P. Sartwell.
Perry, Maine	45 00	67 06	100	11	William D. Dana.
Perrysburg, Ohio	41 39	83 40	.....	10	F. Hollenbeck.
Pittsburg, Pa., (Oakland Station)	40 32	80 02	850	12	W. W. Wilson and Dr. H. Smyser.
Pittsburg, Pa., (Marine Hospital)	40 32	80 02	850	7	W. Martin.
Platteville, Wis	42 45	90 00	.....	12	Dr. J. L. Pickard.
Philadelphia, Pa	39 57	75 11	53	12	Professor J. A. Kirkpatrick.
Pocopson, Pa	39 54	75 37	218	11	F. Darlington.
Pomfret, Conn	41 52½	72 00	1,000	12	Rev. Daniel Hunt.
Portsmouth, Va	36 50	76 19	30	3	Professor N. B. Webster.
Poultney, Iowa	42 40	91 21	.....	12	Dr. Benjamin F. Odell.
Princeton, Mass	42 28	71 53	1,113	12	Hon. John Brooks.
Providence, R. I	41 49	71 25	120	6	Professor A. Caswell.
Quasqueton, Iowa	42 23	91 43	888	11	Dr. E. C. Bidwell.
Randolph, Pa	41 28	80 10	1,720	5	O. T. Hobbs.
Red Lake, Min	48 30	95 30	.....	2	Rev. E. W. Carver.
Richmond, Ind	39 48	84 41	.....	12	W. W. Austin.
Richmond, Mass	42 24	73 20	.....	12	William Bacon.
Richmond, Ohio	40 20	81 01	.....	8	J. M. Desellem.
Richmond Hill, Ga	33 30	82 01	275	1	W. Schley, jr.
Sacramento, Cal	38 34	121 40	130	12	Dr. Thomas M. Logan.
Sacramento, Cal	38 34	121 40	.....	9	Dr. F. W. Hatch.
Sag Harbor, N. Y	41 00	72 20	40	12	E. N. Byram.
St. Anthony's Falls, Min	45 00	93 15	820	8	Dr. C. L. Anderson.
St. James, Mich	45 44	85 27	598	11	James J. Strang.
St. John's, S. C	33 10?	79 50?	.....	12	S. P. Ravenel.
St. Johnsbury, Vt	44 30	74 01	.....	12	J. P. Fairbank and J. K. Colby.
St. Joseph's, Min	48 55	98 00	.....	9	Rev. D. B. Spencer.

No 1.—LIST OF STATIONS AND OBSERVERS, 1854—Continued.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
St. Louis, Mo	38 37	90 16	482	12	Dr. George Engelmann.
St. Martin's, Canada East	45 32	73 36	118	12	Dr. Charles Smallwood.
St. Mary's, Iowa	41 00	95 45	1,200	2	D. E. Read.
Salisbury, Conn	42 00	73 18	737	12	Dr. Ovid Plumb.
Salmon Falls, N. H	43 30	71 00	.....	12	G. B. Sawyer.
San Francisco, Cal	38 00	122 00	.....	12	Dr. H. Gibbons.
Saugatuck, Mich	42 30?	85 50?	.....	11	L. H. Streng.
Savannah, Ga	32 05	81 07	42	12	Dr. John F. Posey.
Savannah, Ohio	41 12	82 31	.....	10	Dr. John Ingram.
Saybrook, Conn	41 16	72 20	10	10	James Rankin.
Schellman Hall, Md	39 23	76 57	700	12	Miss Harriott M. Baer.
Smithfield, Va	37 00	76 40	.....	6	Dr. John R. Purdie.
Smithville, N. Y	44 00	76 01	.....	5	J. E. Breed.
South Thomaston, Maine	44 06	69 12	.....	1	Joshua Bartlett.
Southwick, Mass	42 02	72 51	265	12	Amasa Holcomb.
Sparta, Ga	33 17	83 09	550	12	Dr. E. M. Pendleton.
Spencertown, N. Y	43 19	73 41	800?	4	Rev. T. C. P. Hyde.
Springdale, Ky	38 07	85 24	570	12	Mrs. Lawrence Young.
Springfield, Mass	42 06	72 35	199	12	Lucius C. Allin.
Steuben, Maine	44 44	67 50	50	12	J. D. Parker.
Stockton, Cal	37 57	121 14	.....	12	Dr. Robert K. Reid.
Sugar Grove, Pa	42 00	79 20	1,450	5	W. O. Blodget.
Taunton, Mass	41 49	71 09	.....	8	Albert Schlegel.
The Rock, Ga	32 52	184 23	833	9	Dr. James Anderson.
Thornbury, N. C	36 20	77 21	.....	6	Rev. D. Morelle and Rev. F. Fitzgerald.
Troy, N. Y	42 44	73 37	58	8	Professor E. H. Allen.
Truxillo, Honduras, Central America	15 54	86 00	80	6	E. Purdot.
Tuscaloosa, Ala	33 12	87 28	245?	8	Professor M. Tuomey and Geo. Benagh.
Upper Alton, Ill	39 00	89 36	.....	11	Dr. John James.
Urbana, Ohio	40 06	83 43	1,015	12	Professor M. G. Williams.
Vicksburg, Miss	32 22	90 56	.....	2	N. Hatch.
Wales, N. Y	42 46	78 37	.....	1	S. O. Carpenter.
Wampsville, N. Y	43 04	75 50	500	12	Dr. S. Spooner.
Warrington, Florida	30 21	87 16	12	12	John Pearson.
Warrior's Mark, Pa	40 39	78 14	.....	5	J. R. Lowrie.
Washington, D. C	38 53	77 01	40	10	Smithsonian Institution.
West Cornwall, Conn	41 50	73 21	1,000	12	T. S. Gold.
Westfield, Mass	42 06	72 44	.....	1	Rev. E. Davis, D. D.
West Haverford, Pa	40 00	75 21	.....	12	Dr. Paul Swift.
Wewokaville, Ala	33 20?	86 00?	.....	2	Benjamin T. Holley.
Whitemarsh Island, Ga	32 00	81 00	18	12	R. P. Gibson.
Williamstown, Mass, (Williams Col.)	42 43	71 13	725	4	Professor P. A. Chadbourne and others.
Winchester, Va	39 15	78 10	.....	10	John W. Marvin.
Windham, Maine	43 49	70 17	.....	6	Samuel A. Eveleth.
Wood's Hole, Mass	41 40	70 17	25	.....	R. R. Gifford.
Worcester, Mass	42 16	71 48	536	12	Dr. Edward A. Smith.
Yankeetown, Ohio	40 00	84 32	700	2	A. Jaque.
Yorkville, Ala	33 30	88 17	.....	4	Dr. John W. Payne.
Youngsville, Pa	41 50	79 20	1,185	4	Dr. A. C. Blodget.
Zanesfield, Ohio	40 22	83 38	.....	1	J. F. Lukins.
Zanesville, Ohio	39 58	82 29	700	7	Dr. J. G. F. Holston.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Albion Mines (*a*)	29.89	30	7 a. m.	30 61	14	2 and 9.	29.02
	Halifax	30.02	30	.....	30.50	14	.....	29.10
Canada East	St. Martin's	29.49	25	7 and 9.	30.05	12	9 p. m.	28.54
Canada West	Hamilton (*b*)	29.67	.....	9 p. m.	30.20	.....	7 and 9.	29.00
Maine	Biddeford (*c*)	30.04	25	Sunset.	30.59	21	1½ & ss.	29.39
	Carmel (*d*)	29.64	29	9 p. m.	30.29	13	2 p. m.	28.94
	South Thomaston	29.20	26	9 p. m.	29.57	1	9 p. m.	28.48
New Hampshire	Concord	29.66	29	7 and 9.	30.27	12	9 p. m.	28.90
	Hanover	29.47	.....	9 p. m.	30.06	.....	9 p. m.	28.66
	Manchester	30.06	29	9 p. m.	30.67	12	9 p. m.	29.37
Vermont	Burlington	29.61	25	2 p. m.	30.28	12	9 p. m.	28.73
	St. Johnsbury	29.26	29	7 a. m.	29.85	12	9 p. m.	28.48
Massachusetts	Amherst	29.81	29	9 p. m.	30.39	21	2 p. m.	29.18
	Barnstable	29.57	29	9 p. m.	30.18	21	2 p. m.	28.90
	Nantucket	30.09	8	9 p. m.	30.80	12	9 p. m.	29.16
	New Bedford	30.40	3	7 a. m.	30.67	1	2 p. m.	29.66
	Newburyport	30.03	29	9 p. m.	30.66	12	9 p. m.	29.33
	North Attleboro'	29.88	29	2 p. m.	30.48	21	2 p. m	29.18
	Princeton	28.81	29	9 p. m.	29.38	3	2 p. m.	28.10
	Southwick	30.03	29	9 p. m.	30.47	31	2 p. m.	29.17
	Worcester	29.49	29	9 p. m.	30.05	21	2 p. m.	28.84
Rhode Island	North Scituate	29.70	29	9 p. m.	30.27	12	9 p. m.	29.00
	Providence	29.87	29	Sunrise.	30.47	20	1 p. m.	29.20
Connecticut	Pomfret	28.92	29	7 a. m.	29.42	.....	9 p. m.	28.16
New York	Beaver Brook (*e*)	29.05	25	Noon.	29.52	12	Night.	28.37
	Canton	29.46	25	7 a. m.	30.10	12	9 p. m.	28.55
	Lowville (*f*)	28.94	25	7 a. m.	29.51	12	1½ p. m	28.34
	Madrid	29.67	23	7 a m.	30.99	13	9 p. m.	28.06
	N. Y. city, [Deaf and Dumb Institution]	29.98	29	7 a. m.	30.53	12	9 p. m.	29.36
	Oswego (*g*)	30.02	25	7 a. m.	30.85	12	9 p. m.	28.80
	Penn Yan (*h*)	29.20	.....	2 p. m.	29.67	.....	2 and 9.	28.41
	Sag Harbor	29.85	25	2 p m.	30.46	12	9 p. m.	(*i*) 29.23
	Troy	30.04	29	7 a. m.	30.66	12	9 p. m.	29.26
New Jersey	Bloomfield	29.94	25	2 p. m.	(*j*) 30.44	30	2 p. m.	29.00
	Burlington (*g*)	30.13	25	2 p. m.	30.58	12	2 p. m.	29.55
	Lambertville	30.07	25	2 p. m.	30 56	12	9 p. m.	29.41
	Newark (*k*)	30.09	.....	7 a. m.	30.60	.....	7 a. m.	29.50
Pennsylvania	Bedford	29.15	23	9 p. m.	29.70	12	2 p. m.	28.40
	Byberry	30.02	29	7 a. m.	30.57	12	2 p. m.	29.34
	Gettysburg	29.50	29	2 p. m.	29.97	12	2 p. m.	28.74
	Harrisburg	29.80	29	9 p. m.	30.27	12	2 p. m.	29.04
	Lima	29.95	29	7 a. m.	30.46	12	2 p. m.	29.23
	Morrisville (*g*)	30.17	29	7 a. m.	30.65	12	2 p. m.	29.45
	Norristown	29.96	29	2 p. m.	30.69	12	2 p. m.	29.28
	Philadelphia	30.01	29	7 a. m.	30.47	12	9 p. m.	(*l*) 29.46
	Pittsburg, [Marine Hospital] (*m*)	29 02	23	9 a. m.	29 56	12	3 p. m.	28.24
	Pittsburg, [Marine Hospital] (*n*)	29.03	.....	.....	29 45	.....	.....	28.31
	Pittsburg, [Oakland Station]	28.96	23	2 p. m.	29.46	12	7 a. m.	28.31
	Sugar Grove	28.09	23	2 p. m.	28.58	12	2 p. m.	27.37
Maryland	Frederick	29.82	23	9 p. m.	30.28	12	2 p. m.	28.97
Dist. of Columbia	Washington (*o*)	30.23	25	7 a. m.	30.58	12	2 p. m.	29.21
Virginia	Alexandria	30.15	29	7 a. m.	30.60	12	2 p. m.	29.36
	Portsmouth (*g*)	29.62	.....	7 a. m.	30.20	.....	2 p. m.	28.60
North Carolina	Chapel Hill	29.60	23	2 p. m.	30.07	12	2 p. m.	(*p*) 29.05
	Thornbury	30.17	24	7 a. m.	30.64	13	9 p. m.	29.65

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and p. m.
(*c*) Observations taken at 7 a. m., 1½ p. m., and sunset.
(*d*) Observations omitted from the 3d to the 6th of the month.
(*e*) Observations taken at morning, noon, and night.
(*f*) Observations taken at 7 a. m., 1½ p. m., and 9 p. m.
(*g*) Not corrected for temperature.
(*h*) Observations taken at sunrise, 2 p. m., and sunset.
(*i*) Same height at 2 p. m. on the 21st.
(*j*) Same height at 9 p. m. on the 29th.
(*k*) Observations taken at 7 a. m. and 5 p. m.
(*l*) Same height at 7 a. m. on the 21st.
(*m*) Observations taken at 9 a. m., 3 p. m., and 9 p. m.
(*n*) Observations taken at sunrise.
(*o*) Observations very incomplete.
(*p*) Same height at 7 a. m. on the 14th.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1854.—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
South Carolina	Camden	30.01	24	7 a. m.	30.48	12	7 and 2.	29.36
Georgia	Culloden	29.52	11	2 p. m.	29.95	20	2 p. m.	29.20
	Savannah	30.19	23, 24	7 and 9.	30.61	12	7 p. m.	29.60
	Sparta	29.52	24	7 a. m.	29.90	12	7 a. m.	29.03
	The Rock (*a*)	29.37	------	------	29.73	------	------	29.00
Florida	Jacksonville	30.25	23	9 p. m.	30.62	12	7 a. m.	29.80
	Key West (*b*)	29.92	2	2 p. m.	30.14	12	7 a. m.	29.70
	Knox Hill	30.01	23	7 and 9.	30.41	11	2 p. m.	29.45
	Warrington (*c*)	30.13	23	7 a. m	30.54	11	9 p. m.	29.53
Alabama	Tuscaloosa	29.96	23	7 a. m.	30.51	11	9 p. m.	29.33
Louisiana	New Orleans	29.98	23	7 a. m.	30.36	11	2 p. m	29.35
Texas	New Wied (*d*)	27.84	------	2 p. m.	28.32	------	2 p. m.	27.45
Tennessee	Glenwood	29.67	23	7 a. m.	30.35	11	9 p. m.	28.91
	Knoxville	28.78	23	2 p. m.	29.65	12	2 p. m	28.19
	Lebanon	29.58	23	7 a. m.	30.25	11	9 p. m.	28.92
	Memphis	29.58	23	7 and 2.	30.14	11	9 p. m.	29.01
Kentucky	Ballardsville	29.11	23	2 p. m.	29.92	12	7 a. m.	28.41
	Springdale	29.43	6	9 p. m.	29.94	12	7 a. m.	28.82
Ohio	College Hill	29.11	23	7 a. m.	29.78	12	7 a. m.	28.33
	Germantown	29.27	23	7 a. m.	29.96	20	2 p. m.	28.58
	Granville	29.02	23	7 a. m.	29.59	12	7 a. m.	28.24
	Hillsborough	28.91	23	2 p. m.	29.52	12	7 a. m.	28.15
	Marietta	29.35	23	7 a. m.	29.85	31	9 p. m	28.05
	Oberlin	29.11	23	7 a m.	29.67	12	7 a. m.	28.33
	Urbana	28.84	------	------	29.35	------	------	28.13
	Zanesville	29.12	25	9 p. m	29.89	20	2 p. m.	28.43
Michigan	Detroit (*e*)	29.56	23	8 a. m.	30.13	12	2 p. m.	28.76
Indiana	Greencastle (*f*)	29.21	23	7 a. m.	29.87	12	7 a. m.	28.53
	Milton	29.09	23	2 p. m.	29.64	20	2 p. m.	28.46
	New Harmony	29.78	23	7 a. m.	30.46	20	7 and 9.	(*g*) 29.14
Illinois	Upper Alton	29.54	23	7 a. m.	30.35	12	9 p. m.	29.01
Missouri	St. Louis	29.57	23	7 a. m.	30.26	20	7 a. m.	28.88
Wisconsin	Beloit	29.20	23	7 a. m.	29.77	12	2 p. m.	28.60
	Madison	28.96	19	2 p. m.	(*h*) 29.63	12	2 p. m.	28.37
Iowa	Dubuque	29.37	6	7 a. m.	30.00	12	9 p. m.	28.70
	Muscatine	29.57	22	9 p. m.	30.15	12	2 and 9.	29.00
	Quasqueton (*i*)	29.08	22	9 p. m.	29.66	12	9 p. m.	28.46
California	Sacramento [Logan]	30.11?	------	------	30.45	------	------	29.70
	Stockton	29.62	------	7, 2, 9	29.87	------	7 a. m.	29.12
South America	Assumption, Paraguay (*j*)	29.56	14	8 a. m.	(*k*)30.00	7	4 p. m.	29.15
	Assumption, Paraguay (*l*)	29.54	14	8 a. m.	29.77	3	4 p. m.	29.28

(*a*) Observations taken in the morning.
(*b*) Not corrected for temperature. Observations at 7 a. m. and 2. p. m.
(*c*) Observations taken at sunrise, noon, and sunset.
(*d*) Not corrected for temperature. Observations at 2 p. m.
(*e*) Observations at 8 a. m, 2 p. m., and 9 p. m.
(*f*) Observations incomplete.
(*g*) Same height on the 11th.
(*h*) Same height at 2 p. m. on the 26th.
(*i*) No observation on the 4th, 5th, 6th, and 7th.
(*j*) Aneroid. Observations taken at 8 a. m., 12 m., 4 p. m., and 9 p. m.
(*k*) Same height on the 14th at 12 m.
(*l*) Observations taken at 8 a. m., 12 m., 4 p. m., and 9 p. m.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Nova Scotia	Albion Mines	29.88	23	7 a. m.	30.67	23	9 p. m.	29.08
	Halifax (*a*)	30.01	20	------	30.52	9	------	29.15
Canada East	St. Martin's	29.54	25	2 p. m.	30.07	8	9 p. m.	28.90
Canada West	Hamilton (*b*)	29.73	27	9 p. m.	30.20	8	9 p m.	29.13
Maine	Biddeford (*c*)	29.98	25	9 p. m.	30.61	24	7 a. m.	29.06
	Carmel	29.68	25	9 p. m.	30.37	9	7 a. m.	28.94
	Steuben	30.04	25	9 p. m.	30.81	1	9 p. m.	29.07
New Hampshire	Concord	29.66	25	9 p. m	30.30	9	7 a. m.	29.00
	Hanover	29.50	25	9 p. m.	30.08	9	7 a. m.	28.81
	Manchester	30.07	25	9 p. m.	30.70	9	7 a. m.	29.45
Vermont	Burlington	29.72	25	2 p. m.	30.29	1	2 p. m.	(*d*)29.06
	St. Johnsbury	29.29	25	9 p. m.	29.86	1	2 p. m.	28.68
Massachusetts	Amherst	29.80	25	9 p. m.	30.44	9	7 a. m.	29.17
	Barnstable	29.54	25	9 p. m.	30.20	9	7 a. m.	28.83
	Nantucket	30.05	25	9 p. m.	30.70	21	7 a. m.	29 56
	New Bedford	30.22	25	9 p. m.	30.64	2	2 p. m.	30.03
	Newburyport	30.01	25	9 p. m.	30.73	9	7 a. m.	29.30
	North Attleboro'	29.87	25	9 p. m.	30.53	9	7 a. m.	29.17
	Princeton	28.81	25	9 p. m.	29.45	9	7 a. m.	28.21
	Southwick (*e*)	30.05	25	9 p. m.	30.65	9	7 a. m.	29.44
	Worcester	29.47	25	2 p. m.	30.08	9	7 a. m.	28.86
Rhode Island	North Scituate	29.67	25	9 p. m.	30.32	9	7 a. m.	29.02
	Providence (*f*)	29.85	25	10 p. m.	30.47	9	Sunrise.	29.18
Connecticut	Pomfret	28.76	25	9 p. m.	29.51	9	7 a. m.	28.31
New York	Beaver Brook	29.09	------	9 p. m.	29.57	------	9 p. m.	28.54
	Canton	29.52	25	7 and 2.	30.07	8	9 p. m.	28.83
	Lowville (*g*)	29.01	25	7 a. m.	29.50	26	9½ p. m.	28.43
	Madrid	29.78	25	2 p. m.	30.32	8	9 p. m.	29.05
	New York city, [D. and D. Inst]	29.93	25	9 p. m.	30.44	8	9 p. m.	29.39
	Oswego (*c*)	30.09	25	2 p. m.	30.75	1	2 p. m.	29.30
	Penn Yan (*h*)	29.19	------	2 p. m. & sunset.	29.62	------	Sunset.	28.59
	Sag Harbor	29.84	25	2 p. m.	30.45	9	7 a. m.	29.16
	Troy	30.06	25	7 a. m.	30.63	8	9 p. m.	29.39
New Jersey	Bloomfield	29.90	25	2 p. m.	30.43	8	9 p. m.	29.34
	Burlington (*c*)	30.18	25	2 and 9.	(*i*) 30.50	26	2 p. m.	(*j*)29.60
	Lambertville	30.04	28	2 p. m.	30.55	9	7 a. m.	(*k*)29.55
	Newark (*l*)	30.04	25	5 p. m.	30.58	26	5 p. m.	29.54
Pennsylvania	Bedford	29.16	28	7 a. m.	29.56	8	9 p. m.	28.66
	Byberry	29.98	28	7 a. m.	30.51	2	2 p. m.	(*k*)29.43
	Gettysburg	29.46	28	7 a. m.	29.94	26	2 p. m.	28.92
	Harrisburg	29.78	28	7 a. m.	30.24	26	2 p. m.	29.23
	Lima	29.90	28	7 a. m.	30.39	1	2 p. m.	29.39
	Morrisville (*c*)	29.73	7	7 a. m.	(*m*)30.60	------	7, 2, & 9.	29.60
	Norristown	29.95	28	7 a. m.	30.52	2	2 p. m.	(*k*)29.39
	Philadelphia	29.94	28	7 a. m.	30.40	2	2 p. m	29.43
	Pittsburg, [Marine Hospital] (*n*)	29.00	28	7 a. m.	29.41	26	2 p. m.	28.43
	Pittsburg, [Oakland Station]	28.97	27	9 p. m.	29.35	26	2 p. m.	28.38
	Sugar Grove (*o*)	28.13	27	2 p. m.	28.60	26	2 p. m.	27.63
Maryland	Frederick	29.77	28	7 a. m.	30.26	26	2 p. m.	29.20
Dist. of Columbia	Washington (*p*)	30.07	28	7 a. m.	30.56	2	2 p. m.	29.52
Virginia	Alexandria	30.07	28	7 a. m.	30.58	2	2 p. m.	29.52
	Portsmouth	29.74	24	7 a. m.	30.08	16	9 p. m.	29.40
North Carolina	Chapel Hill	29.59	28	7 a. m.	29.93	20	9 p. m.	29.14
	Thornbury	30.10	28	7 a. m.	30.55	------	2 p. m.	29.43

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations at 9 a. m. and 9 p. m.
(*c*) Not corrected for temperature.
(*d*) Same height at 2 p. m. on the 27th.
(*e*) Observations omitted from 14th to 18th inclusive.
(*f*) Observations taken at sunrise, 2 p. m., and 10 p. m.
(*g*) Observations taken at 7 a. m., 1½ p. m., and 9 p. m.
(*h*) Observations taken at sunrise, 2 p. m., and sunset.
(*i*) Same height at 7 a. m. and at 2 p. m. on the 28th.
(*j*) Same height at 7 a. m. on the 27th.
(*k*) Same height at 9 p. m. on the 8th.
(*l*) Observations taken at 7 a. m. and 5 p. m.
(*m*) Same height at 9 p. m. on the 25th and at 7 a. m. on the 28th.
(*n*) Observations taken at sunrise, 9 a. m., 3 p. m. and 9 p. m.
(*o*) Imperfect.
(*p*) Observations at 7 a. m. and 2 p. m.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
South Carolina	Camden	29.95	18	7 a. m.	30.34	20	2 p. m.	29.41
Georgia	Culloden	29.38	17	9 p. m.	29.70	20	2 p. m.	28.88
	Savannah	30.13	17	9 p. m.	30.46	20	2 p. m.	29.62
	Sparta	29.48	18	7 a. m.	29.80	20	2 p. m.	29.04
	The Rock (*a*)	29.40	------	--------	29.60	------	--------	29.00
Florida	Jacksonville	30.18	17	9 p. m.	30.46	26	2 p. m.	29.41
	Key West (*b*)	29.88	28	2 p. m.	30.09	8	2 p. m.	29.68
	Knox Hill	29.95	17	9 p. m.	30.26	25	2 p. m.	29.56
	Warrington (*c*)	30.10	14	Sunset.	30.54	8	Sunset.	29.67
Louisiana	New Orleans	29.91	28	2 p. m.	30.16	25	2 p. m.	29.39
Texas	New Wied (*d*)	27.93?	17	2 p. m.	28.10	25	2 p. m.	27.60
Kentucky	Ballardsville	29.00	17	2 p. m.	29.50	26	7 a. m.	28.45
	Springdale	29.44	17	7 a. m.	29.90	26	7 a. m.	28.77
Tennessee	Glenwood	29.60	17	7 a. m.	30.11	26	7 a. m.	28.97
	Knoxville	29.10	27	2 p. m.	29.84	20	2 p. m.	28.52
	Lebanon	29.52	17	7 a. m	29.95	26	7 a. m.	28.89
	Memphis	29.50	17	2 p. m.	29.87	25	9 p. m.	28.96
Ohio	College Hill	29.07	17	7 a. m.	(*e*) 29.51	26	7 a. m.	28.45
	Germantown	29.24	17	7 a. m.	29.70	26	2 p. m.	28.59
	Granville	28.97	27	9 p. m.	29.40	26	2 p. m.	28.35
	Hillsborough	28.89	17	7 a. m.	29.31	26	2 p. m.	28.27
	Marietta	29.33	17	7 a. m.	29.68	26	7 a. m.	28.73
	Oberlin	29.11	23	7 a. m.	29.53	26	2 p. m.	28.55
	Urbana	28.83	------	--------	29.25	------	--------	28.25
Michigan	Beaver Brook	29.05	25	9 p. m.	29.52	26	9 p. m.	28.57
	Detroit (*f*)	29.63	23	7 a. m.	30.05	8	2 p. m.	29.04
Indiana	Greencastle (*g*)	29.17	17	7 a. m.	29.64	1	2 and 9.	(*h*) 28.71
	Milton	29.06	27	9 p. m.	29.49	26	2 p. m.	28.42
	New Harmony	29.70	17	2 p. m.	30.21	26	2 p. m.	29.04
Illinois	Upper Alton	29.47	17	7 a. m.	29.97	26	2 p. m.	29.02
Missouri	St. Louis	29.50	16	9 p. m.	29.89	26	2 p. m.	29.01
Wisconsin	Beloit	29.19	17	7 a. m.	29.66	12	2 p. m.	28.61
	Madison	29.01	22	9 p. m.	29.46	9	2 p. m.	28.53
	Milwaukie (*i*)	29.39	17	7 a. m.	29.84	9	2 p. m.	28.87
Iowa	Dubuque	29.31	22	9 p. m.	29.82	12	2 p. m.	28.80
	Muscatine	29.56	17	7 a. m.	30.01	12	2 and 9.	29.04
	Quasqueton	29.10	17	7 a. m.	29.57	12	2 p. m.	28.54
California	Sacramento, [Logan]	30.17	------	--------	30.40	------	--------	29.70
	Stockton (*j*)	29.56	------	2 and 9.	29.80	------	9 p. m.	29.20
South America	Assumption, Paraguay (*k*)	29.55	22	8 a. m.	29.77	11	4 p. m.	29.29
	Assumption, Paraguay (*l*)	29.60	22	8 a. m.	29.95	19	4 p. m.	29.20

(*a*) Observations taken in the morning.
(*b*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*c*) Observations taken at sunrise, noon, and sunset.
(*d*) Observations at 2 p. m.
(*e*) Same height at 7 a. m. on the 23d.
(*f*) Observations at 8 a. m., 2 p. m., and 9 p.m.
(*g*) No observation after the 23d.
(*h*) Same height on the 12th.
(*i*) No observation before the 15th.
(*j*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*k*) Observations taken at 8 a. m , 12 m., 4 p. m., and 9 p. m.
(*l*) Aneroid. Observations taken at 8 a. m., 12 m., 4 p. m., and 9 p. m.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Albion Mines	29.69	31	2 p. m.	30.44	18	9 p. m.	28.80
	Halifax (*a*)	29.82	14	-------	30.50	26	-------	29.00
Canada East	St. Martin's	29.32	21	7 a. m.	29.79	16	2 p. m.	28.63
Canada West	Hamilton (*b*)	29.61	-----	9 a. m.	30.10	------	9 p. m.	29.06
Maine	Carmel (*c*)	29.55	31	7 a. m.	30.10	24	9 p. m.	28.83
	Steuben	29.91	31	2 p. m.	30.52	18	7 a. m.	28.97
New Hampshire	Concord	29.51	30	7 a. m.	30.01	17	9 p. m.	28.83
	Hanover	29.32	30	7 a. m.	29.82	16	2 p. m.	28.63
	Manchester	29.91	30	7 a. m.	(*d*) 30.39	18	7 a. m.	29.27
Vermont	Burlington	29.49	30	7 a. m.	29.98	17	9 p. m.	28.73
	St. Johnsbury	29.14	30	7 a. m	29.65	17	9 p. m.	28.43
Massachusetts	Amherst	29.66	30	7 a. m.	30.12	17	9 p. m.	28.89
	Nantucket	29.93	30	9 p. m.	30.35	17	7 a. m.	29.33
	New Bedford	29.79	1	7 a. m.	30.43	16	9 p. m.	29.15
	Newburyport	29.86	30	7 a. m.	30.37	16	2 p. m.	29.22
	North Attleboro'	29.71	30	7 a. m.	30.18	16	9 p. m.	29.09
	Princeton (*e*)	28.70	30	7 a. m.	29.13	24	2 p. m.	28.10
	Southwick (*f*)	29.87	30	7 a. m.	30.32	16	9 p. m.	29.15
	Worcester	29.33	30	7 a. m.	29.77	16	9 p. m.	28.65
Rhode Island	North Scituate	29.53	30	7 a. m.	30.00	16	2 p. m.	28.81
	Providence (*g*)	29.70	30	10 p. m.	30.17	17	10 p. m.	28.88
Connecticut	Pomfret	28.78	30	7 a. m.	29.22	17	9 p. m.	28.20
New York	Beaver Brook (*h*)	28.94	29	7 a. m.	29.33	17	9 p. m.	28.31
	Canton	29.33	29	2 and 9.	29.82	8	2 p. m.	?28.26
	Madrid	29.55	30	9 p. m.	30.96	17	9 p. m.	28.04
	New York city (*i*)	29.92	------	Sunrise	30.37	-----	Sunset?	29.19
	New York city, (10 p. m.)	29.94	------	--------	30.55	------	--------	29.40
	New York city, [D. & D. Inst.]	29.83	21	7 a. m.	30.24	17	9 p. m.	29.07
	Oswego (*j*)	29.91	11	9 p. m.	30.80	8	2 p. m.	29.10
	Penn Yan (*k*)	29.10	------	2 p. m.	29.58	------	Sunset.	28.46
	Sag Harbor	29.63	12	7 a. m.	30.12	16	9 p. m.	29.00
	Troy	29.89	30	7 a. m.	30.36	16	2 p. m.	29.16
New Jersey	Bloomfield	29.80	12	7 a. m.	(*l*) 30.21	16	2 p. m.	29.20
	Burlington (*j*)	29.96	1	7 a. m.	30.35	17	9 p. m.	29.30
	Lambertville	29.94	29	9 p. m.	30.33	17	9 p. m.	29.25
Pennsylvania	Bedford	29.00	29	7 a. m.	29.49	17	9 p. m.	28.40
	Byberry	29.87	21	7 a. m.	30.29	17	9 p. m.	29.10
	Gettysburg	29.41	29	7 a. m.	29.84	17	9 p. m.	28.67
	Harrisburg	29.67	29	7 a. m.	30.13	17	9 p. m.	29.05
	Lima	29.78	2	7 a. m.	(*m*) 30.23	17	9 p. m.	29.05
	Morrisville (*j*)	30.04	29	7, 2, & 9.	(*n*) 30.45	------	9 p. m.	29.30
	Norristown	29.82	29	7 a. m.	30.29	17	9 p. m.	29.27
	Philadelphia	29.85	29	7 a. m.	30.26	17	9 p. m.	29.15
	Pittsburg, [Marine Hospital] (*o*)	28.91	29	3 p. m.	29.36	17	9 p. m.	28.35
	Pittsburg, (observations at sunrise)	28.92	------	--------	29.33	------	--------	28.44
	Pittsburg, [Oakland Station]	28.87	29	7 a. m.	29.29	17	2 p. m.	28.37
	Sugar Grove	28.11	28	2 p. m.	28.77	17	2 p. m.	27.48
	Warrior's Mark (*p*)	28.76	29	7 a. m.	29.24	17	9 p. m.	28.15
Maryland	Frederick	29.66	21	7 a. m.	30.08	16	2 p. m.	29.09
Dist. of Columbia	Washington (*q*)	29.97	29	9 p. m.	30.49	10	2 p. m.	29.48
Virginia	Alexandria	29.98	29	7 a. m.	30.48	17	9 p. m.	29.36
	Portsmouth (*j*)	29.76	29	7 a. m.	30.05	4	2 p. m.	29.44
North Carolina	Chapel Hill	29.50	29	2 p. m.	29.88	16	2 p. m.	29.14
	Thornbury	29.99	29	7 a. m.	30.48	17	9 p. m.	29.42
South Carolina	Camden	29.87	29	7 a. m.	30.27	17	9 p. m.	29.44
Georgia	Culloden	29.40	6	7 a. m.	29.55	31	2 p. m.	28.93

(*a*) Observations taken at 6 a. m., and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Five days omitted—15th to 19th inclusive.
(*d*) Same height at 7 a. m. on the 31st.
(*e*) Observations omitted on the 7th, and 14th to the 17th.
(*f*) Imperfect.
(*g*) Observations taken at sunrise, 2 p. m., and 10 p. m.
(*h*) Observations taken at 7 a. m., noon, and 7 p. m.
(*i*) Observations taken at sunrise, noon, sunset, and 10 p. m.
(*j*) Not corrected for temperature.
(*k*) Observations taken at sunrise, 2 p. m., and sunset.
(*l*) Same height at 7 a. m. on the 30th.
(*m*) Same height at 7 a. m. on the 29th.
(*n*) Same height at 7 a. m. on the 30th.
(*o*) Observations at 9. a. m., 3 p. m., and 9 p. m.
(*p*) For the last 24 days of the month only.
(*q*) Observations at 9 a. m. and 2 p. m.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Georgia	Savannah	30.07	29	7 a. m.	30.43	23	2 p. m.	29.71
	Sparta	29.41	1	7 a. m.	29.72	17	9 p. m.	29.06
	The Rock (*a*)	29.27	------	--------	29.56	-----	--------	29.00
Florida	Cedar Keys (*b*)	29.85	29	2 p. m.	30.07	31	9 p. m.	29.63
	Jacksonville	30.12	1	7 a. m.	30.42	24	9 p. m.	29.40
	Key West (*c*)	29.87	29	2 p. m.	30.02	26	7 a. m.	29.68
	Knox Hill	29.91	1	7 a. m.	(*d*) 30.15	25	2 p. m.	29.66
	Warrington (*e*)	30.17	1	Sunset.	30.60	25	Sunset.	29.81
Louisiana	New Orleans	29.81	5	9 p. m.	30.07	9	2 p. m.	29.55
Texas	New Wied (*f*)	27.87	10	2 p. m.	28.12	8	2 p. m.	27.45
Tennessee	Glenwood	29.54	19	7 a. m.	29.94	31	2 p. m.	29.12
	Knoxville	29.03	19	2 p. m.	29.38	17	2 p. m.	28.58
	Lebanon	29.44	19	7 a. m.	29.85	10	7 a. m.	28.99
	Memphis	29.44	11	7 and 2.	29.76	31	2 p. m.	29.00
Kentucky	Ballardsville	29.03	19	7 a. m.	29.45	8	2 p. m.	28.67
	Springdale	29.37	28	2 p. m.	29.74	17	2 p. m.	28.96
Ohio	College Hill (*g*)	29.05	19	7 a. m.	29.45	17	2 p. m.	28.53
	Germantown	29.16	19	7 a. m.	29.63	17	2 p. m.	28.64
	Granville	28.91	29	7 a. m.	29.36	17	2 p. m.	28.32
	Hillsborough	28.80	19	7 a. m.	29.25	17	2 p. m.	28.30
	Marietta	29.26	29	9 p. m.	29.69	17	2 p. m.	28.71
	Oberlin	29.04	28	2 p. m.	29.49	17	2 p. m.	28.41
	Urbana	28.79	------	--------	29.20	------	--------	28.32
Michigan	Detroit	29.51	29	7 a. m.	29.99	8	7 a. m.	28.81
Indiana	Milton	29.00	28	9 p. m.	29.41	17	2 p. m.	28.46
	New Harmony	30.27	19	7 a. m.	30.09	8	2 p. m.	29.16
Illinois	Upper Alton	29.46	19	7 a. m.	29.88	7	9 p. m.	28.98
Missouri	St. Louis	29.45	19	7 a. m.	29.92	7	9 p. m.	28.96
Wisconsin	Beloit	29.12	13	2 p. m.	29.99	2	2 p. m.	28.59
	Ceresco	28.94	21	2 p. m.	29.59	23	9 p. m.	28.31
	Madison	28.92	28	7 a. m.	29.43	2	2 p. m.	28.32
	Milwaukie	29.29	28	9 p. m.	29.82	8	7 a. m.	(*h*) 28.74
Iowa	Dubuque	29.26	2	7 a. m.	29.82	15	2 p. m.	28.81
	Muscatine	29.47	28	7 and 2.	29.95	2	2 p. m.	28.96
	Quasqueton	29.01	12	2 p. m.	29.77	2	2 p. m.	28.46
California	Sacramento, [Logan]	30.05	------	--------	30.40	------	--------	29.85
	Stockton (*i*)	29.52	------	2 and 8.	29.85	------	2 and 8.	29.22
South America	Assumption, Paraguay	29.56	22	7 a. m.	29.70	11	2 p. m.	29.38
	Assumption, Paraguay (*j*)	29.66	22	7 a. m.	30.00	11	2 p. m.	(*k*) 29.30

(*a*) Observations taken in the morning.
(*b*) For the last 14 days of the month only.
(*c*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*d*) Same height at 7 a. m. on the 27th.
(*e*) Observations at sunrise, noon, and sunset.
(*f*) Observations at 2 p. m.
(*g*) +.027 for capillarity.
(*h*) Same height at 2 p. m. on the 15th.
(*i*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*j*) Aneroid.
(*k*) Same height on the 11th at 9 p. m.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	29.97	3	--------	30.40	15	--------	29.30
Canada East	St Martin's	29.44	14	7 a. m.	29.94	1	7 a. m.	28.95
Canada West	Hamilton (*b*)	29.72	------	9 a. m.	30.18	------	9 p. m.	29.25
Maine	Carmel (*c*)	29.60	3	7 a. m.	30.21	26	9 p. m.	29.18
	Steuben	30.03	3	7 a. m.	30.60	1	9 p. m.	29.59
New Hampshire	Concord	29.61	3	7 a. m.	30.24	10	2 p. m.	29.13
	Hanover	29.44	3	7 a. m.	30.02	10	2 p. m.	28.94
	Manchester	30.02	3	7 a. m.	30.63	10	2 p. m.	29.50
Vermont	Burlington	29.62	14	7 a. m.	30.17	26	9 p. m.	29.13
	St. Johnsbury	29.26	3	7 a. m.	29.83	1	2 and 9.	(*d*) 28.74
Massachusetts	Amherst	29.73	3	7 a. m.	30.39	26	9 p. m.	29.25
	Nantucket	29.97	3	2 p. m.	30.60	10	2 p. m.	29.28
	New Bedford	29.90	3	7 a. m.	30.52	10	2 p. m.	29.28
	Newburyport	28.77	3	7 a. m.	30.60	10	2 p. m.	29.41
	North Attleboro'	29.81	3	7 a. m.	30.43	10	2 p. m.	29.22
	Princeton	28.77	3	7 a. m.	29.39	10	2 p. m.	28.27
	Southwick	29.97	3	7 a. m.	30.58	10	2 p. m.	29.45
	Worcester	29.43	3	7 a. m.	30.05	10	2 p. m.	28.94
Rhode Island	North Scituate	29.62	3	7 a. m.	30.25	10	2 p. m.	29.04
	Providence (*e*)	29.79	3	Sunrise.	30.39	10	2 p. m.	29.24
Connecticut	Pomfret	28.87	3	7 and 2.	29.45	27	7 and 2	28.55
New York	Beaver Brook	29.01	3	7 a. m.	29.60	10	7 a. m.	28.49
	Beaver Brook (*f*)	29.01	3	6 a. m.	29.59	10	12 and 7.	28.54
	Canton	29.45	3	7 a. m.	29.98	1	7 a. m.	28.91
	Madrid	30.43	3	9 p. m.	(*g*) 30.29	1	7 a. m.	29.12
	New York city (*h*)	29.95	------	Sunrise.	30.65	------	12 m.	29.37
	New York city, (sunset)	29.95	------	--------	30.56	------	--------	29.44
	N. Y. city, [Deaf and Dumb Institution]	29.88	3	2 p. m.	30.55	10	2 p. m.	29.34
	Penn Yan (*i*)	29.19	------	2 p. m.	29.67	------	2 p. m.	28.40
	Sag Harbor	29.71	3	2 p. m.	30.34	10	2 p. m.	29.15
	Troy	29.98	3	7 a. m.	30.63	10	2 p. m.	29.43
New Jersey	Bloomfield	29.87	3	7 a. m.	30.52	10	7 a. m.	29.39
	Burlington (*j*)	29.85	3	2 p. m.	30.60	10	9 p. m.	29.50
	Lambertville	29.95	3	2 p. m.	30.61	10	2 p. m.	(*k*) 29.46
Pennsylvania	Bedford	29.10	3	7 a. m.	29.62	10	7 a. m.	28.59
	Byberry	29.89	3	7 a. m.	30.58	10	2 p. m.	29.30
	Gettysburg	29.42	3	7 a. m.	30.05	10	2 p. m.	28.83
	Harrisburg	29.69	3	7 a. m.	30.34	10	9 p. m.	29.10
	Lima	29.81	3	7 a. m.	30.50	10	2 p. m.	29.20
	Morrisville	30.06	3	7 a. m.	30.70	10	2 p. m.	29.50
	Norristown	29.89	3	7 a. m.	30.58	10	2 p. m.	29.28
	Philadelphia	29.87	3	2 p. m.	30.52	10	2 p. m.	29.25
	Pittsburg, [Marine Hospital] (*l*)	28.94	3	9 a. m.	29.48	10	9 a. m.	28.43
	Pittsburg, (sunrise)	28.95	------	--------	29.40	------	--------	28.42
	Pittsburg, [Oakland Station]	28.87	3	7 a. m.	29.41	27	7 a. m.	28.46
	Sugar Grove	28.16	3	7 a. m.	28.63	10	7 a. m.	27.64
	Warrior's Mark	28.83	3	7 a. m.	29.43	10	2 p. m.	28.30
Maryland	Frederick	29.68	3	7 a. m.	30.36	11	2 p. m.	29.10
Dist. of Columbia	Washington (*m*)	30.00	3	7 a. m.	30.69	10	7 a. m.	29.46
Virginia	Alexandria	29.97	3	7 a. m.	30.62	10	2 p. m.	29.40
North Carolina	Chapel Hill	29.49	3	7 a. m.	30.04	10	2 p. m.	29.06
	Thornbury	29.96	3	2 p. m.	30.57	10	2 p. m.	29.42
South Carolina	Camden	29.83	3	7 a. m.	30.39	10	2 and 9.	29.11
Georgia	Culloden	29.34	3	2 p. m.	29.81	15	9 p. m.	28.90
	Savannah	30.03	3	7 a. m.	30.58	16	2 p. m.	29.52

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Observations omitted from the 3d to the 6th.
(*d*) Same height at 9 p. m. on the 3d.
(*e*) Observations taken at sunrise, 2 p. m., and 10 p. m.
(*f*) Observations taken at 6 a. m., noon, and 7 p. m.
(*g*) Same height at 7 a. m. on the 14th.
(*h*) Observations taken at sunrise, noon, sunset, and 10 p. m.
(*i*) Observations taken at sunrise, 2 p. m., and sunset.
(*j*) Not corrected for temperature.
(*k*) Same height at 9 p. m. on the 10th.
(*l*) Observations taken at 9 a. m., 3 p. m. and 9 p. m.
(*m*) Observations taken at 7 a. m. and 2 p. m.

No. 5.—BAROMETER, CORRECTED TO 32° F, APRIL, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Georgia	Sparta	29.39	3	7 a. m.	29.89	16	7 a. m.	28.98
	The Rock (*a*)	29.25	------	--------	29.50	------	--------	28.85
Florida	Cedar Keys	29.85	3	2 p. m.	30.27	16	9 p. m.	29.51
	Jacksonville	30.08	3	2 p. m.	30.57	16	2 p. m.	29.62
	Key West (*b*)	29.81	3	2 p. m.	30.09	16	7 a. m.	29.62
	Knox Hill (*c*)	29.96	3	7 a. m.	30.40	27	2 p. m.	29.63
	Warrington (*d*)	30.04	3	2 p. m.	30.56	15	9 p. m.	29.69
Louisiana	New Orleans	29.84	3	7 a. m.	30.32	1	7 a. m.	29.80
Texas	New Wied (*e*)	27.82	2	2 p. m.	28.10	3	2 p. m.	27.42
Tennessee	Glenwood	29.53	3	7 a. m.	30.26	27	7 a. m.	29.12
	Knoxville	29.02	3	7 a. m.	29.60	17	7 a. m.	28.21
	Memphis	29.43	2	7 a. m.	29.97	26	9 p. m.	29.03
Kentucky	Ballardsville	29.03	3	7 a. m.	29.57	27	7 a. m.	28.65
	Springdale	29.38	3	7 a. m.	29.92	26	9 p. m.	28.97
Ohio	College Hill	29.02	3	7 a. m.	29.55	9	9 p. m.	28.60
	Germantown	29.19	3	7 and 9.	29.73	9	9 p. m.	28.75
	Granville	28.94	3	7 a. m.	29.49	10	7 a. m.	28.48
	Hillsborough	28.85	3	7 a. m.	29.39	10	7 a. m.	28.47
	Marietta	29.22	3	7 a. m	29.74	10	7 a. m.	28.75
	Oberlin	29.09	3	7 a. m.	29.62	10	7 a m.	(*f*)28.67
	Urbana	28.83	------	--------	29.24	------	--------	28.40
Michigan	Detroit (*g*)	29.56	3	8 a. m.	29.99	26	2 p. m.	29.10
Indiana	Milton	29.06	3	7 a. m.	29.47	27	7 a. m.	28.60
	New Harmony	29.64	2	7 a. m.	30.15	9	2 p. m.	29.17
Illinois	Upper Alton	29.42	1	9 p. m.	29.98	28	7 a. m.	28.83
Missouri	St. Louis	29.43	2	7 a. m.	29.98	26	2 p. m.	28.91
Wisconsin	Beloit	29.12	28	7 a. m.	29.69	26	2 p. m.	28.61
	Madison	28.99	28	9 p. m.	29.53	26	2 p. m.	28.46
	Milwaukie	29.48	28	2 p. m.	29.87	26	2 p. m.	28.86
Iowa	Dubuque	29.28	28	7 a. m.	29.87	26	2 p. m.	28.75
	Muscatine	29.47	28	2 p. m.	29.96	26	9 p. m.	29.00
	Quasqueton	29.04	28	7 a. m.	29.60	10	9 p. m.	28.12
California	Sacramento, [Logan]	30.04	------	--------	30.45	------	--------	29.85
	Stockton (*h*)	29.49	------	8 and 8.	29.75	------	2 p. m.	29.25
South America	Assumption, Paraguay	29.56	21	7 a. m.	29.80	1	9 p. m.	29.27
	Assumption, Paraguay (*i*)	29.61	21	7 a. m.	30.03	1	2 p. m.	(*k*)29.10

(*a*) Observations taken in the morning.
(*b*) Not corrected for temperature. Observations taken at 7 a. m. and 2 p. m.
(*c*) Observations omitted from the 6th to the 18th.
(*d*) Observations taken at sunrise, 12 m., and sunset.
(*e*) Not corrected for temperature. Observations taken at 2 p. m.
(*f*) Same height at 9 p. m. on the 26th.
(*g*) Observations taken at 8 a. m., 2 p. m., and 9 p. m.
(*h*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*i*) Aneroid.
(*k*) Same height at 9 p. m. on the 1st.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	30.01	25	--------	30.50	7	--------	28.95
Canada East	St. Martin's	29.74	23	7 a. m.	30.09	10	2 p. m.	29.50
Canada West	Hamilton (*b*)	29.64	23	9 p. m.	30.00	17	9 p. m.	29.30
Maine	Carmel	29.62	14	2 p. m.	30.36	7	7 a. m.	29.01
	Steuben	29.99	14	7 a. m.	30.56	6	7 a. m.	29.17
New Hampshire	Concord	29.57	14	7 a. m.	30.00	7	2 p. m.	29.17
	Hanover	29.38	13	9 p. m.	29.85	6	9 p. m.	29.00
	Manchester	29.95	14	7 a. m.	30.42	7	2 p. m.	29.57
Vermont	Burlington	29.55	23	7 a. m.	29.93	5	9 p. m.	29.21
	St. Johnsbury	29.18	13	7 a. m.	29.63	------	2 p. m.	28.90
Massachusetts	Amherst	29.69	13	9 p. m.	30.11	7	2 p. m.	29.34
	Nantucket	29.98	13	2 and 9.	30.38	6	9 p. m.	29.51
	New Bedford	29.85	13	9 p. m.	30.29	7	2 p. m.	29.43
	Newburyport	29.90	13	9 p. m.	30.37	7	2 p. m.	29.50
	North Attleboro'	29.75	13	9 p. m.	30.23	7	2 p. m.	29.33
	Princeton	28.78	12	7 a. m.	29.38	7	2 p. m.	28.38
	Southwick, (imperfect)	29.92	13	9 p. m.	(*c*) 30.35	7	2 p. m.	29.63
	Worcester	29.39	13	9 p. m.	29.81	7	2 p. m.	29.00
Rhode Island	North Scituate	29.60	13	9 p. m.	30.10	7	2 p. m.	29.19
	Providence (*d*)	29.76	13	10 p. m.	30.19	7	2 p. m.	29.30
Connecticut	Pomfret	28.87	13	9 p. m.	29.37	6	2 p. m.	28.55
New York	Beaver Brook	28.99	13	2 and 9.	29.34	5	2 p. m.	28.63
	Beaver Brook (*e*)	28.96	13	12 m. & 7½ p. m	29.44	6	12 m.	28.68
	Canton	29.40	23	7 a. m.	29.78	10	9 p. m.	29.13
	Madrid	29.62	23	7 a. m.	30.06	10	2 p. m.	29.21
	New York city (*f*)	29.93	------	12 m.	30.36	------	10 p. m.	29.52
	New York city, (sunset)	29.93	------	--------	30.32	------	--------	29.56
	New York city, [Deaf and Dumb Ins.]	29.84	13	9 p. m.	30.30	3	9 p. m.	29.47
	Penn Yan (*g*)	29.18	------	2 p. m., Sunset.	29.48	------	Sunset.	28.91
	Sag Harbor	29.67	13	9 p. m.	30.12	3	2 p. m.	29.33
	Troy	29.92	23	7 a. m	30.30	5	9 p. m.	29.63
New Jersey	Bloomfield	29.81	14	7 and 2.	(*h*) 30.21	3	9 p. m.	29.40
	Burlington (*i*)	29.91	13	2 p. m.	30.26	3	9 p. m.	29.62
	Lambertville	29.94	23	2 p. m.	30.28	3	9 p. m.	29.65
	Newark (*j*)	29.96	-----	5 p. m.	30.55	------	5 p. m.	29.60
Pennsylvania	Bedford	29.04	23	7 a. m.	29.38	30	2 p. m.	28.87
	Brookville (*k*)	29.78	23	6 a. m., 12 m.	29.06	17	6 p. m.	28.43
	Gettysburg	29.36	23	2 p. m.	29.66	30	2 p. m.	29.11
	Harrisburg	29.65	13	7 a. m.	29.94	30	2 p. m.	29.45
	Lima	29.78	23	7 a. m.	30.14	3	2 and 9.	29.52
	Morrisville (*l*)	30.03	13	7, 2, & 9.	(*m*) 30.35	------	9 p. m.	29.70
	Norristown	29.83	13	7 a. m.	(*n*) 30.20	3	2 p. m.	29.54
	Philadelphia	29.85	13	9 p. m.	30.15	------	9 p. m	29.58
	Pittsburg, [Marine Hospital] (*o*)	28.92	22	9 p. m.	(*p*) 29.22	17	3 p. m.	28.45
	Pittsburg, (sunrise)	28.93	23	Sunrise.	29.25	17	--------	28.58
	Pittsburg, [Oakland Station]	28 86	22	9 p. m.	29.15	17	2 p. m.	28.47
	Sugar Grove	28.11	23	7 a. m.	28.48	17	2 p. m.	27.72
	Warrior's Mark	28.81	22	9 p. m.	29.09	17	2 p. m.	28.58
Maryland	Frederick	29.65	23	7 a. m.	29 99	30	2 p. m.	29.37
Dist. of Columbia,	Washington (*q*)	29.96	23	7 a. m.	30.30	30	2 p. m.	29.74
Virginia	Alexandria	29.96	23	7 a. m.	30.26	30	2 p. m.	29.73

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Same height at 7 a. m. on the 14th.
(*d*) Observations taken at 6 a. m., 2 p. m., and 10 p. m.
(*e*) Observations taken at 5½ a. m., noon, and 7½ p. m.
(*f*) Observations taken at sunrise, noon, sunset, and 10 p. m.
(*g*) Observations taken at sunrise, 2 p. m., and sunset.
(*h*) Same height at 2 p. m. on the 13th.
(*i*) Not corrected for temperature.
(*j*) Observations taken at 7 a. m. and 5 p. m.
(*k*) Not corrected for temperature. Observations taken at 6 a. m., noon, and 6 p. m.
(*l*) Not corrected for temperature.
(*m*) Same height at 7 a. m. and 2 p. m. on the 23d; at 7 a. m. on the 24th.
(*n*) Same height at 7 a. m. on the 23d.
(*o*) Observations taken at 9 a. m., 3 p. m., and 9 p. m.
(*p*) Same height at 9 a. m. on the 23d.
(*q*) Observations taken at 7 a. m. and 2 p. m.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
North Carolina	Chapel Hill	29.45	24	7 a. m.	29.67	31	7 a. m.	29.28
	Thornbury	29.97	13	7 a. m.	30.18	6	9 p. m.	29.71
South Carolina	Camden	29.81	1	7 a. m.	30.05	7	9 p. m.	29.60
Georgia	Culloden	29.28	1	7 a. m.	29.56	7	2 p. m.	29.06
	Savannah	29.99	1	7 a. m.	30.22	7	2 p. m.	29.77
	Sparta	29.32	1	7 a. m.	29.58	7	2 p. m.	29.18
Florida	Cedar Keys	29.77	22	9 p. m.	29.99	7	7, 2, 9	29.60
	Jacksonville	29.99	------	7 a. m.	30.22	6	2 p. m.	29.87
	Key West (*a*)	29.75	15	2 p. m.	29.87	8	7 a. m.	(*b*)29.63
	Knox Hill	29.81	1	7 a. m.	30.03	6	9 p. m.	29.61
	Warrington (*c*)	29.91	1	12 m.	30.19	6	Sunset.	29.70
Louisiana	New Orleans	29.72	1	2 and 9.	29 97	6	2 p. m.	(*d*)29.58
Texas	Austin (*e*)	27.32	------	--------	27.90	------	--------	27.40
	New Wied (*e*)	27.32	18	2 p. m.	(*f*) 27.90	12	--------	27.40
Tennessee	Glenwood	29.45	1	7 a. m.	29.73	16	9 p. m.	29.04
	Knoxville	28.82	1	7 a. m.	29.20	17	7 a. m.	28.62
	Memphis	29.23	1	7 a. m.	29.57	16	9 p. m.	28.97
Kentucky	Ballardsville	29.01	2	2 p. m.	29.30	17	7 a. m.	28.54
	Springdale	29.32	23	7 a. m.	29 55	17	7 a. m.	28.83
Ohio	College Hill	28.99	22	7 a. m.	(*g*) 29.24	17	7 a. m.	28.49
	Germantown	29.14	------	7 a. m.	29.43	------	7 a. m.	28.62
	Granville	28.91	22	9 p. m.	(*g*) 29.21	17	2 p. m.	28.42
	Hillsborough	28.83	23	7 a. m.	29.08	17	7 a. m.	28.35
	Marietta	29.19	12	7 a. m.	29.34	18	7 a. m.	28.00
	Oberlin	29.07	23	7 a. m.	29.40	17	2 p. m.	28.50
	Urbana	28.81	------	--------	29.09	------	--------	28.32
Michigan	Detroit (*h*)	29.49	23	8 p. m.	29.87	17	2 p. m.	28.89
Indiana	Milton	28.98	23	7 a. m.	29.26	17	7 a. m.	28.37
	New Harmony	29.56	22	2 p. m.	29.81	16	9 p. m.	29.07
Illinois	Upper Alton	29.34	11	9 p. m.	29.70	16	9 p. m.	28.66
Missouri	St. Louis	29.33	22	7 a. m.	29.63	17	7 a. m.	28.84
Wisconsin	Beloit	29.03	23	7 a. m.	29.38	17	7 a. m.	28.35
	Madison	28.85	23	7 a. m.	29.23	13	7 a. m.	28.45
	Milwaukie	29.25	23	7 a. m.	29.63	17	7 a. m.	28.60
Iowa	Dubuque	29.16	22	2 p. m.	29.50	17	7 a. m.	28 46
	Muscatine	29.38	22	7 a. m.	29.70	17	7 a. m.	28.74
	Quasqueton	28.61	22	2 p. m.	29.27	16	9 p. m.	28.36
California	Sacramento, [Logan]	30.02	------	--------	30.28	------	--------	29.00
	Stockton (*i*)	29.44	------	8 p. m.	29.85	------	8, 2, 8	29.30
South America	Assumption, Paraguay	29.61	15	9 p. m.	29.79	7	2 p. m.	29.20
	Assumption, Paraguay (*k*)	29.69	15	7 a. m.	30.07	7	7 a. m.	29.15

(*a*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*b*) Same height at 7 a. m. on the 22d.
(*c*) Observations taken at sunrise, noon, and sunset.
(*d*) Same height at 7 a. m. on the 13th.
(*e*) Not corrected for temperature. Observations at 2 p. m.
(*f*) Same height on the 19th.
(*g*) Same height at 7 a. m. on the 23d.
(*h*) Observations taken at 8 a. m., 2 p. m., and 9 p. m.
(*i*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*k*) Aneroid.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	29.90	7	-------	30.50	10	-------	29.15
Canada East	St. Martin's	29.79	17	7 a. m.	30.13	9	7 a. m.	29.50
Canada West	Hamilton (*b*)	29.65	------	9 a. m.	29.96	7	9 a. m.	29.37
Maine	Carmel	29.50	1	7 a. m.	29.83	8	9 p. m.	29.17
	Steuben	29.96	1	7 a. m.	30.24?	15	2 p. m.	28.91?
New Hampshire	Concord	29.54	1	7 a. m	(*c*) 29.86	8	9 p. m.	29.23
	Hanover	29.36	2	7 a. m.	29.74	8	9 p. m.	29.08
	Manchester	29.93	1	7 and 2.	(*c*) 30.22	8	2 p. m.	29.65
Vermont	Burlington	29.55	2	7 a. m.	29.87	9	7 a. m.	29.29
	Fairfax	29.36	17	7 a. m.	29.64	28	2 p. m.	29.15
	St. Johnsbury	29.20	1	7 a. m	29 51	9	7 a. m.	28.93
Massachusetts	Amherst	29.67	1	7 a m.	29.98	8	2 p. m.	29.37
	Nantucket	29.92	1	2 and 9.	30.18	8	2 p. m.	29.61
	New Bedford (*d*)	29.92	1	9 p. m.	30.17	8	2 p. m	29.62
	Newburyport	29.88	1	7 a. m.	30.19	8	2 and 9.	29.62
	North Attleboro'	29.73	1	7 a. m.	30.02	8	2 p. m.	29.42
	Princeton	28.78	1	7 a. m.	29.06	7	9 p. m.	28.25
	Southwick (*e*)	29.89	1	2 p. m.	30.17	9	2 p. m.	29.61
	Worcester	29.37	1	7 a. m.	29.66	24	2 p. m.	29.11
Rhode Island	North Scituate	29.57	1	9 p. m.	29.85	8	2 p. m.	29.26
	Providence (*f*)	29.72	1	6 a. m.	30.01	8	2 p. m.	29.37
Connecticut	Pomfret	28.85	2	7 a m.	29.12	8	2 and 9.	28.60
New York	Beaver Brook	28.99	2	7 a. m.	29.29	8	2 p. m.	29.69
	Beaver Brook (*g*)	28.99	2	5½ a. m	29.28	8	7½ a. m.	28.65
	Buffalo, [Allen] (*h*)	28.89	1	2 p. m.	29.40	6	2 p. m.	28.00
	Canton	29.38	2	2 p. m.	29.73	9	9 p. m.	29.07
	Madrid	29.61	1	7 a. m.	30.00	30	7 a. m.	29.31
	New York city	29.91	------	2 p. m.	30.21	------	2 p. m.	29.52
	New York city, [Deaf and Dumb Inst.]	29.83	1	9 p. m.	30.10	8	2 p. m.	29.53
	Penn Yan (*i*)	29.19	------	2 p. m	29.53	------	2 p. m	28.85
	Sag Harbor	29.62	1	9 p. m.	29.94	8	2 p. m.	29.33
	Troy	29.88	1	7 a. m.	30.23	8	9 p. m	29.56
New Jersey	Bloomfield	29.79	1	9 p. m.	30.11	8	9 p. m.	29.49
	Burlington (*j*)	29.76	1	9 p. m.	30.05	8	2 p. m.	29.45
	Lambertville	29.93	1	9 p. m.	30.16	8	2 p. m.	(*k*)29 67
	Newark (*l*)	29.92	------	7 a. m.	30.20	------	7 a. m.	29.38
Pennsylvania	Bedford	29.05	2	7 a. m.	29.34	8	2 p. m.	28.75
	Brookville (*m*)	28.81	1	12 m.	(*n*) 29.06	8	5 and 12.	28.50
	Gettysburg	29.36	2	7 a. m.	29.66	8	2 p. m.	29.00
	Harrisburg	29.65	2	7 a. m.	29.95	8	2 p. m.	29.29
	Lima	29.77	6	7 a. m.	30.06	8	2 p. m.	29.50
	Morrisville (*d*)	29.02	2	7 a. m.	30.35	8	7 and 2.	29.75
	Norristown	29.83	1	9 p. m.	30.14	8	2 p. m.	29.51
	Philadelphia	29.82	3	7 a. m.	30.10	8	2 p. m.	29.55
	Pittsburg, [Marine Hospital] (*o*)	28.92	1	Sunrise.	29.25	7	3, 9 p. m	28.58
	Pittsburg, (sunrise)	28.94	------	-------	29.25	------	-------	28.60
	Pittsburg, [Oakland Station]	28.90	2	7 a. m.	29.18	7	7 a. m.	(*p*)28.56
	Warrior's Mark	28.83	2	7 a. m.	29.13	8	2 p. m.	28.53
Maryland	Frederick	29.61	2	7 a. m.	29.95	8	2 p. m.	29.23
Dist. of Columbia	Washington (*q*)	29.94	1	7 a. m.	30.24	8	2 p. m.	29.57
Virginia	Alexandria	29.95	2	7 a. m.	30.24	8	2 p. m.	29.59
	Montcalm (*r*)	28.41	26	7 a. m	28.53	30	2 p. m.	28.27
North Carolina	Chapel Hill	29.41	2	7 a. m.	29.63	8	7 a. m.	29.10
	Thornbury	29.94	1	9 p. m.	30.19	8	2 p. m.	29.64

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Same height at 7 a. m. on the 2d.
(*d*) Not corrected for temperature.
(*e*) Observations taken at 7 a. m. and 2 p. m.
(*f*) Observations taken at 6 a. m., 2 p. m., and 10 p. m.
(*g*) Observations taken at 5½ a. m., 12 m., and 7½ p. m.
(*h*) Not corrected for temperature, and observed for only one place of decimals. Observations at 2 p. m.
(*i*) Observations taken at sunrise, 2 p. m., and sunset.
(*j*) Corrected by open air thermometer.
(*k*) Same height at 9 p. m. on the 8th.
(*l*) Observations taken at 7 a. m. and 5 p. m.
(*m*) Observations made at 5 a. m., 12 m., and 7 p. m.
(*n*) Same height at 12 m on the 2d.
(*o*) Observations taken at 9 a. m., 3 p. m., and 9 p. m.
(*p*) Same height at 7 a. m. on the 8th.
(*q*) Observations taken only at 7 a. m. and 2 p. m.
(*r*) From 21 observations in the latter part of the month.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
South Carolina	Camden	29 79	2	2 p. m.	29. 93	8	2 p. m.	29. 57
Georgia	Culloden	29. 31	11	7 a. m.	29. 48	7	2 p. m.	29. 02
	Savannah	29. 98	27	7 a. m.	30. 14	8	2 p. m.	29. 76
	Sparta	29. 34	2	7 a. m.	29. 47	7	2 p. m.	29. 15
Florida	Cedar Keys	29. 80	28	7 a. m.	29. 92	1	9 p. m	(*a*)29. 69
	Jacksonville	30. 01	10	9 p. m.	30. 15	6	2 p. m.	29. 82
	Key West (*b*)	29. 80	11	2 p. m.	(*c*) 29. 89	------	7 a. m.	29. 70
	Knox Hill	29. 83	27	7 a. m.	29. 95	7	2 p. m.	29. 66
	Warrington (*d*)	29. 91	27	12 m.	30. 08	7	Sunset.	29. 77
Alabama	Tuscaloosa	29. 77	28	7 a. m.	29. 95	7	2 and 9.	29. 56
Louisiana	New Orleans (*e*)	29. 74	11	7, 2, 9	(*f*) 29. 84	7	2 p. m.	29. 65
Texas	New Wied (*g*)	27. 72	------	2 a. m.	27. 80	------	2 p. m.	27. 62
Tennessee	Glenwood	29. 51	28	7 a. m.	29. 70	7	2 p. m.	29. 23
	Knoxville	29. 00	27	7 a. m.	29. 20	7	9 p. m.	28. 74
	Memphis	29. 39	28	7 a. m.	29. 56	6	2 p. m.	(*h*)29. 24
Kentucky	Ballardsville	29. 03	2	7 a. m.	29. 24	7	2 p. m.	28. 73
	Springdale	29. 36	2	7 a. m.	29. 59	7	2 p. m.	29. 04
Ohio	College Hill	29. 00	2	7 a. m.	29. 24	7	7 a. m.	28. 67
	Germantown	26. 16	2	7 a. m.	29. 44	7	2 p. m.	28. 81
	Granville	28. 93	2	7 a. m.	29. 21	7	2 p. m.	28. 56
	Hillsborough	28. 83	1	9 p. m.	29. 07	7	2 p. m.	28. 51
	Marietta	29. 20	2	7 a. m.	29. 47	7	9 p. m.	28. 89
	Oberlin	29. 07	2	7 a. m.	29. 38	7	9 p. m..	28. 70
	Perrysburg (*i*)	29. 31	25	7 a. m.	29. 46	8	7 a. m.	28. 94
	Urbana	28. 87	------	--------	29. 07	------	--------	28. 53
Michigan	Ann Arbor, [Winchell]	29. 02	2	7 a. m.	29. 37	7	9 p. m.	28. 64
	Detroit (*j*)	29. 49	1	7 a. m.	(*k*) 29. 84	7	9 p. m.	29. 07
Indiana	Milton	29. 02	1	9 p. m.	29. 30	7	2 p. m.	28. 67
	New Harmony	29. 61	2	2 p. m.	29. 83	7	7 a. m.	29. 32
Illinois	Upper Alton	29. 41	2	7 a. m.	29. 65	6	9 p. m.	29. 12
Missouri	St Louis	29. 41	2	7 a. m.	29. 65	6	9 p. m.	29. 15
Wisconsin	Beloit	29. 11	7	7 a. m.	29. 49	29	2 p. m.	28. 83
	Madison	28. 96	1	7 a. m.	29. 39	6	2 p. m.	28. 65
	Milwaukie	29. 30	1	7 a. m.	29. 70	29	2 p. m.	29. 03
Iowa	Dubuque	29. 25	1	7 a. m.	29. 61	6	2 p. m.	28. 94
	Muscatine	29. 47	1	7 a. m	29. 76	20	7 a. m.	29. 23
	Quasqueton	29. 02	2	7 a. m.	29. 35	20	7 a. m.	28. 71
California	Sacramento, [Hatch] (*l*)	29. 95	------	--------	----------	------	--------	--------
	Sacramento, [Logan]	30. 03	------	--------	30. 22	------	--------	29. 90
	Stockton (*m*)	29. 47	------	8 a. m.	29. 65	------	8 p. m.	29. 30
South America	Assumption, Paraguay	29. 77	11	2 and 9.	(*n*) 29. 91	8	2 and 9.	29. 55

(*a*) Same height at 2 p. m. on the 8th.
(*b*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*c*) Same height at 2 p. m. on the 27th.
(*d*) Observations taken at sunrise, noon, and sunset.
(*e*) No observations after 16th.
(*f*) Same height at 7 a. m. on the 12th.
(*g*) Very incomplete, and not corrected for temperature. Observations at 2 p. m.
(*h*) Same height at 2 p. m. on the 7th.
(*i*) Observations taken at 7 a. m. and 1 and 9 p. m., for the last 23 days only.
(*j*) Observations at 8 a. m., 2 p. m., and 9 p. m.
(*k*) Same height at 7 a. m. on the 2d.
(*l*) Observations taken at sunrise, noon, and 10 p. m.
(*m*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*n*) Same height at 7 a. m. and 2 p. m. on the 12th and 15th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	30.00	23	--------	30.50	5	--------	29.50
Canada East	St. Martin's	29.92	13	7 a. m.	30.21	4	2 p. m.	29.55
Canada West	Hamilton (*b*)	29.76	------	9 a. m.	29.94	------	9 and 9.	29.50
Maine	Carmel (*c*)	29.60	13	9 p. m.	(*d*) 29.85	5	7 p. m.	29.29
	Steuben	30.03	14	7 a. m.	(*e*) 30.27	5	2 and 9.	29.69
New Hampshire	Concord	29.64	14	7 a. m.	29.88	4	9 p. m.	29.34
	Hanover	29.45	------	9 p. m.	29.70	------	9 p. m.	29.15
	Manchester	30.02	2	9 p. m.	30.26	4	2 and 9.	29.74
Vermont	Burlington	29.61	13	9 p. m.	(*f*) 29.87	4	9 p. m.	29.32
	St Johnsbury	29.27	------	7 and 2.	29.50	------	7 a. m.	29.00
Massachusetts	Amherst	29.76	13	7 a. m.	(*g*) 29.99	4	2 p. m.	29.49
	Nantucket	30.02	13	2 and 9.	30.21	5	7 a. m.	29.76
	New Bedford	30.04	13	9 p. m.	30.24	5	7 and 2.	29.79
	Newburyport	29.99	13	2 p. m.	30.23	5	7 and 2.	29.70
	North Attleboro'	29.69	2	7 a. m.	(*h*) 30.05	30	7 a. m.	29.38
	Princeton	28.90	13	9 p. m.	29.10	4	9 p. m	28.64
	Southwick (*i*)	29.99	------	7 a. m.	30.20	------	2 p. m.	29.77
	Worcester	29.46	16	7 a. m.	29.70	4	9 p. m.	29.22
Rhode Island	Providence (*j*)	29.82	13	10 p. m.	30.02	5	6 a. m.	29.56
Connecticut	Pomfret	28.95	13	2 and 9.	(*k*) 29.13	4	9 p. m.	28.71
	Pomfret, (sunrise)	28.98	------	--------	29.18	------	--------	28.85
New York	Beaver Brook (*l*)	29.08	28	5 a. m.	29.27	4	7½ p. m.	28.89
	Canton (*m*)	29.47	13	7 a. m.	29.71	4	2 and 9.	29.20
	Madrid	29.70	2	7 a. m.	29.91	4	2 p. m.	(*n*) 29.42
	New York city (*o*)	30.00	------	Sunrise.	30.21	-----	10 p. m	29.79
	New York city, (sunset)	29.99	------	--------	30.15	------	--------	29.79
	New York city, [Deaf and Dumb Ins.]	29.90	28	7 a. m.	30.12	4	2 p. m.	29.69
	Penn Yan (*p*)	29.29	------	Sunrise.	29.49	------	2 and ss.	29.10
	Sag Harbor	29.71	13	9 p. m.	(*q*) 29.90	5	2 p. m.	29.48
	Spencertown (*r*)	28.04	1	2 p. m.	28.54	5	2 p. m.	27.68
	Troy	29.96	13	7 a. m.	30.23	4	9 p. m	29.71
New Jersey	Bloomfield	29.88	2	7 a. m	30.05	4	2 p. m.	29.70
	Burlington	29.81	28	7 a. m.	30.02	5	2 p. m.	29.64
	Lambertville	30.03	28	7 a. m.	30.18	5	2 p. m.	29.89
	Newark (*s*)	30.02	------	5 p. m.	30.31	------	5 p. m	29.80
Pennsylvania	Bedford	29.13	13	7 a. m.	29.31	20	9 p. m.	(*t*) 28.99
	Brookville	28.81	13	7 a. m.	28.96	25	2 and 9.	(*u*) 28.64
	Gettysburg	29.44	2	7 a. m.	29.61	5	2 p. m.	29.28
	Harrisburg	29.75	28	7 a. m.	29.91	5	2 p. m	29.60
	Lima	29.86	28	7 a. m.	30.05	5	2 p. m.	29.69
	Morrisville (*v*)	30.10	2	7 and 2.	(*w*) 30.25	4	2 and 9.	(*x*) 29.95
	Norristown	29.91	28	7 a. m.	30.11	20	9 p. m	29.73
	Philadelphia	29.91	28	7 a. m.	30.12	5	2 p. m.	29.71
	Pittsburg, [Marine Hospital] (*y*)	29.00	28	9 a. m.	29.19	25	3 and 9.	28.84
	Pittsburg, (sunrise)	28.98	28	--------	29.18	5	--------	28.85
	Pittsburg, [Oakland Station]	28.99	28	7 a. m	29.16	25	2 p. m.	28 80
	Warrior's Mark	28.92	28	7 a. m.	29.09	5	2 p. m.	28.77
Maryland	Frederick	29.69	28	7 a. m.	29.87	5	2 p. m.	29.51
Dist. of Columbia	Washington (*z*)	30.04	28	7 a. m	30.21	5	2 p. m.	29.85
Virginia	Alexandria	30.02	28	7 a. m.	30.20	5	2 p. m.	29.86
	Montcalm (*aa*)	28.38	2	7 a. m.	28.58	19	7 a. m.	28.19

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) No observations during the last five days.
(*d*) Same height at 7 a. m. on the 14th.
(*e*) Same height at 7 a. m. on the 22d.
(*f*) Same height at 7 a. m. on the 14th.
(*g*) Same height at 7 a. m. on the 28th.
(*h*) Same height at 9 p. m. on the 13th.
(*i*) Only one observation at 9 p. m., that was on the 13th; barom. 30.18.
(*j*) Observations taken at 6 a. m., 2 p. m., and 10 p. m.
(*k*) Same height at 7 a. m. on the 28th.
(*l*) Observations taken at 5 a. m., noon, and 7½ p. m.
(*m*) Observations first 18 days only.
(*n*) Same height at 2 p. m. on the 29th.
(*o*) Observations taken at sunrise, noon, sunset, and 10 p. m.
(*p*) Observations taken at sunrise, 2 p. m., and sunset.
(*q*) Same height at 7 a. m. on the 28th.
(*r*) Observations on first seven days only.
(*s*) Observations taken at 7 a. m. and 5 p. m.
(*t*) Same height at 2 and 9 p. m. on the 25th.
(*u*) Same height at 7 a. m. on the 26th.
(*v*) Barometer not corrected for temperature.
(*w*) Same height at 2 and 9 p. m. on the 13th; 9 p. m. on the 27th, and 2 p. m. on the 28th.
(*x*) Same height at 7 a. m., 2 and 9 p. m. on the 5th, and 2 and 9 p. m. on the 20th.
(*y*) Observations taken at 9 a. m., 3 p. m., and 9 p. m.
(*z*) Observations taken at 7 a. m. and 2 p. m. Imperfect.
(*aa*) Imperfect.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1854.—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
North Carolina	Chapel Hill	29.46	28	9 p. m.	29.58	11	2 p. m	29.35
	Thornbury (*a*)	30.00	2	7 a. m.	30.17	10	2 p. m.	(*b*) 29.89
South Carolina	Camden	29.89	28	2 and 9.	30.02	20	2 p. m.	29.78
Georgia	Savannah	30.07	28	7 a. m.	30.21	10	2 p. m.	29.86
	Sparta	29.40	27	9 p. m.	29.54	12	2 p. m.	29.27
Florida	Cedar Keys	29.87	31	7 and 2.	30.02	12	7 a. m.	29.71
	Jacksonville	30.11	30	7 and 9.	30.26	11	2 p. m.	29.92
	Key West (*c*)	29.83	31	2 p. m.	29.99	20	7 a. m.	29.76
	Knox Hill	29.90	31	7 a. m.	30.12	12	7 a. m.	29.68
	Warrington (*d*)	29.99	31	12 m.	30.19	12	Sunset.	29.87
Alabama	Tuscaloosa	29.84	31	9 p. m.	30.04	20	2 and 9.	29.72
Mississippi	Vicksburg	29.76	17	7 and 2.	(*e*) 29.86	------	9 p. m.	29.62
Louisiana	New Orleans	29.91	31	2 p. m.	30.10	12	2 p. m.	29.79
Tennessee	Glenwood	29.58	31	7 a. m.	29.74	25	2 p. m.	29.43
	Knoxville	29.08	31	7 a. m.	29.27	18	9 p. m.	28.88
	Memphis	29.45	17	2 p. m.	29.58	1	7 a. m.	29.34
Kentucky	Ballardsville	29.12	27	7 a. m.	29.29	25	2 p. m.	28.97
	Springdale	29.43	27	7 a. m.	29.60	25	2 p. m.	29.24
Ohio	College Hill, (incomplete)	29.09	27	7 a. m.	29.26	25	2 p. m.	28.87
	Germantown	29.25	------	7 a. m.	29.45	------	2 p. m.	29.05
	Hillsborough	28.94	27	7 a. m.	29.12	25	9 p. m.	28.73
	Marietta	29.27	27	7 a. m.	29.43	20	9 p. m.	29.15
	Oberlin	29.16	12	2 p. m.	(*f*) 29.36	25	2 p. m.	28.92
	Perrysburg	29.41	27	7 a. m.	29.62	25	7 a. m.	29.2
	Urbana	28.99	------	------	29.17	------	------	28.79
Michigan	Ann Arbor, [Winchell]	29.12	27	7 a. m.	29.34	25	7 and 2.	28.84
	Detroit (*g*)	29.60	12	9 p. m.	(*h*) 29.76	25	2 p. m.	29.29
Indiana	Milton	29.09	27	9 p. m.	29.27	25	2 p. m.	28.87
	New Harmony	29.67	27	7 a. m.	29.79	25	2 p. m.	29.46
Illinois	Upper Alton	29.48	10	7 a. m.	29.68	25	7 a. m.	29.25
Missouri	St. Louis	29.48	10	7 a. m.	(*i*) 29.66	25	7 a. m.	29.25
Wisconsin	Beloit	29.20	12	7 a. m.	29.41	24	9 p. m.	28.96
	Ceresco	29.12	12	7 a. m.	29.38	28	9 p. m.	28.87
	Milwaukie	29.38	12	7 a. m.	29.61	25	7 and 2.	29.12
Iowa	Dubuque	29.34	10	7 a. m.	29.69	25	7 a. m.	29.14
	Muscatine	29.55	12	7 a. m.	29.71	24	9 p. m.	29.22
	Quasqueton	29.08	9	7 a. m.	29.35	24	9 p. m.	28.79
California	Sacramento, [Hatch] (*j*)	29.92	------	------	----------	------	------	------
	Sacramento, [Logan]	30.08	------	------	30.13	------	------	29.85

(*a*) No observations taken after the 25th.
(*b*) Same height at 2 p. m. on the 20th
(*c*) Barometer not corrected for temperature. Obs. at 7 a. m. and 2 p. m.
(*d*) Observations taken at sunrise, noon, and sunset.
(*e*) Same height at 7 a. m. on the 28th.
(*f*) Same height at 7 a. m. on the 27th.
(*g*) Observations at 8 a. m., 2 and 9 p. m. No obs. at 9 p. m. after 17th.
(*h*) Same height at 7 a. m. on the 13th, and at 7 a. m. on the 27th.
(*i*) Same height at 7 a. m. on the 27th.
(*j*) Observations taken at sunrise, noon, and 10 p. m.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	29.96	30	-------	30.80	22	-------	29.50
Canada East	St Martin's	29.91	9	7 a. m.	30.22	6	2 p. m.	29.62
Canada West	Hamilton (*b*)	29.74	------	9 p. m.	29.92	------	9 a. m.	29.48
Maine	Carmel (*c*)	29.65	29	7 a. m.	30.01	15	2 p m.	29.33
	Steuben	29.99	28	9 p. m.	30.40	2	7 a. m.	29.66
New Hampshire	Concord	29.64	29	7 a. m.	30.01	13	9 p. m.	29.34
	Hanover	29.44	------	7 a. m.	29.79	------	2 p. m.	29.15
	Great Falls	29.52	29	2 p m.	29.84	2	2 p. m.	29.20
	Manchester	30.01	29	7 a. m.	30.37	2	2 p. m.	(*d*) 29.70
Vermont	Burlington	29.60	9	7 a. m.	(*e*) 29.90	6	2 p. m.	29.27
	St. Johnsbury	29.24	20	7 a. m.	29.55	2	7 a. m.	28.98
Massachusetts	Amherst	29.76	29	7 a. m.	30.11	13	2 p. m.	29.49
	Nantucket	30.01	28	9 a. m.	30.30	4	9 p. m.	29.74
	New Bedford	30.02	29	7 a. m.	30.33	4	2 p. m.	29.75
	Newburyport	29.98	29	7 a. m.	30.34	2	2 p. m.	29.64
	North Attleboro'	29.60	29	7 a. m.	30.16	2	2 p. m.	(*f*) 29.30
	Princeton	28.86	29	7 a. m.	29.18	22	2 p. m.	28.42
	Southwick (*g*)	29.98	------	7 a. m.	30.31	------	2 p. m.	29.76
	Worcester	29.46	29	7 a. m.	29.79	4	2 p. m.	29.20
Rhode Island	Providence (*h*) (imperfect)	29.81	28	10 p. m.	(*i*) 30.15	6	10 p. m.	29.52
Connecticut	Pomfret	28.94	28	9 p. m.	(*j*) 29.20	4	2 p. m.	28.68
New York	Beaver Brook (*k*)	29.09	29	5 a. m.	29.35	4	12 m.	28.84
	Canton	29.44	9	7 a. m.	29.66	6	2 p. m.	29 12
	New York city (*l*)	30.02	------	Sunrise.	30.30	------	3 p. m.	29.72
	New York city (*m*)	30.02	------	-------	30.24	------	-------	29.72
	New York city (*n*)	30.01	------	-------	30.24	------	-------	29.74
	New York city, [Deaf & Dumb Inst.]	29.89	29	7 a. m.	30.16	4	2 p. m.	29.61
	Penn Yan (*o*)	29.28	------	2 p. m.	29 47	------	Sunrise.	29.06
	Sag Harbor	29.70	28	9 p. m.	30.02	4	2 p. m.	29.38
	Troy	29.97	29	7 a. m.	30.29	4	2 p. m.	29.69
New Jersey	Bloomfield	29.86	28	9 p. m.	30.17	4	2 p. m.	29.57
	Burlington	29.84	29	7 and 9.	30.10	4	2 p. m.	29.63
	Lambertville	30.03	29	2 p. m.	30.26	4	2 p. m.	29.80
	Newark (*p*)	30.02	29	7 a. m.	30.29	4	5 p. m.	29.78
Pennsylvania	Bedford	29.15	29	7 and .	29.38	4	7 and 2.	28.94
	Brookville	28.79	29	7 a. m.	28.97	4	7 a. m.	28.60
	Byberry	29.94	29	7 a. m.	30.23	4	2 p. m.	29.64
	Gettysburg	29.44	29	7 a. m.	29.66	4	2 p. m.	29.19
	Harrisburg	29.75	29	7 a. m.	30.00	4	2 p. m.	29.51
	Lima	29.86	29	7 a. m.	30.14	4	2 p. m.	29.58
	Morrisville (*q*)	30.10	29	2 and 9.	30.30	4	9 p. m.	29.85
	Norristown	29.93	29	7 a. m.	30.19	4	2 p. m.	29.64
	Philadelphia	29.95	30	7 a. m.	30.18	4	2 p. m.	29.70
	Pittsburg, [Oakland Station]	28.98	29	7 a. m.	29.14	4	2 p. m.	28.77
Maryland	Frederick	29.69	29	7 a. m.	29.96	4	2 p. m.	29.42
Virginia	Alexandria	30.02	29	7 a. m.	30.25	4	2 p. m.	29.80
	New Creek Depot	29.21	29	7 a. m.	29.38	15	2 p. m.	29.07
North Carolina	Chapel Hill	29.46	1	2 p. m.	(*r*) 29.59	4	2 p. m.	29.29
South Carolina	Camden	29.87	1	9 p. m.	29.98	4	2 p. m.	29.69
Georgia	Savannah	30.06	24	7 a. m.	30.15	4	2 and 9.	29.91
	Sparta	29.41	1	7 a. m.	29.51	4	7 a. m.	29.29
	The Rock (*s*)	29.40	------	-------	29.45	------	-------	29.30
Florida	Cedar Keys	29.88	12	2 p. m.	(*t*) 29.93	------	7, 2, 9	29.82
	Jacksonville	30.10	12	7 a. m.	30.18	5	2 p. m.	30.00

(*a*) Observations taken at 6 a m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Observations for the first nine days omitted.
(*d*) Same height at 2 p. m. on the 13th.
(*e*) Same height at 9 a. m. on the 29th.
(*f*) Same height at 9 p. m. on the 18th.
(*g*) Observations at 7 a. m. and 2 p. m.
(*h*) Observations taken at 6 a m., 2 p. m., and 10 p. m.
(*i*) Same height at 6 a. m. on the 29th.
(*j*) Same height at 9 p. m. on the 18th.
(*k*) Observations taken at 5 a. m., noon, and 7 p. m.
(*l*) Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m.
(*m*) Observations taken at noon.
(*n*) Observations taken at sunset.
(*o*) Observations taken at sunrise, 2 p. m., and sunset.
(*p*) Observations taken at 7 a. m. and 5 p. m.
(*q*) Not corrected for temperature.
(*r*) Same height at 7 a. m. on the 30th.
(*s*) Observations taken in the morning.
(*t*) Same height at 2 and 9 p m. on the 13th, and at 2 p. m. on the 14th.

No. 2 —BAROMETER, CORRECTED TO 32° F., AUGUST, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Key West (*a*)	29.86	1	2 p. m.	29.95	30	7 a. m.	(*b*) 29.78
	Knox Hill (*c*)	29.89	1	7 a. m.	30.04	5	2 p. m.	29.78
	Warrington (*d*)	29.96	1	12 m.	30.12	8	Sunset.	29.85
Alabama	Tuscaloosa	29.83	1	7 a. m.	30.01	8	2 p. m.	29.72
Louisiana	New Orleans	29.90	1	2 p. m.	30.07	29	2 p. m.	29.83
Texas	New Wied (*e*)	28.67	1	7 a. m.	28.84	16	9 p. m.	28.59
Tennessee	Glenwood	29 58	1	7 a m.	29.71	10	2 p. m.	29.46
	Knoxville	29.08	1	7 a. m.	29.22	4	2 p. m.	28.91
	Memphis	29.45	1	7 a. m.	29.59	9	9 p. m.	(*f*) 29.37
Kentucky	Ballardsville	29.11	1	7 a. m.	29.24	3	2 p. m.	29.01
	Springdale	29.40	1	7 a. m.	29.53	3	9 p. m.	29.26
Ohio	College Hill	29.07	8	7 a. m.	29.19	3	9 p. m.	28.91
	Germantown	29.25	------	7 a. m.	29.40	------	2 p. m.	29.12
	Hillsborough (*g*)	28.91	8	7 a. m.	29.09	3	9 p. m.	28.76
	Marietta	29.26	8	7 a. m.	29.37	3	2 p. m.	29.12
	Oberlin	29.15	8	7 a. m.	29.32	3	9 p. m.	28.96
	Perrysburg (*h*)	29.40	8	1 p. m.	29.63	3	9 p. m.	29.21
	Urbana	28.97	------	------	29.06	------	------	28.80
	Zanesville	29.10	8	7 a. m.	29.23	4	2 p. m.	28.93
Michigan	Ann Arbor, [Winchell]	29.11	8	7 a. m.	29.33	3	9 p. m.	28.95
	Detroit (*i*)	29.54	8	7 a. m.	29.70	9	2 p. m.	29.35
Indiana	Milton	29.09	9	2 p. m.	29.17	3	2 p. m.	28.94
	New Harmony	29.66	1	7 a. m.	29.76	10	2 p. m.	29.52
Illinois	Upper Alton	29.47	8	7 a. m.	29.60	11	9 p. m.	29.31
Missouri	St. Louis	29.48	8	7 a. m.	29.61	9	9 p. m.	29.31
Wisconsin	Beloit	29.21	8	7 a. m.	29.41	9	9 p. m.	29.05
	Ceresco	29.15	7	7 a. m.	29.38	5	2 p. m.	28.97
	Milwaukie	29.40	-----	7 and 2.	29.60	------	2 p. m.	29.22
Iowa	Dubuque	29.37	7	7 a. m.	29.60	9	2 p. m.	29.19
	Muscatine	29.53	8	7 a. m.	29.72	12	7 a. m.	29.37
	Quasqueton	29.11	7	7 a. m.	29.32	12	7 a. m.	28.91
California	Sacramento, [Hatch] (*j*)	29.94	------	------	----------	------	------	------
	Sacramento, [Logan]	30.05	------	------	30.20	------	------	29.80
	Stockton (*k*)	29.40	------	8. 2, 9	29.55	------	8 a. m.	29.20
Central America	Truxillo, Honduras	28.97	------	------	29.06	------	------	28.80
South America	Assumption, Paraguay (*l*)	29.60	12	7 and 2.	29.94	6	2 p. m.	29.41

(*a*) Observations at 7 a. m. and 2 p. m. Not corrected for temperature.
(*b*) Same height at 7 a. m. on the 31st.
(*c*) First 13 days of the month.
(*d*) Observations taken at sunrise, noon, and sunset.
(*e*) Not corrected for temperature.
(*f*) Same height at 2 and 9 p. m. on the 10th, and 2 p. m. on the 11th.
(*g*) Observations at 9 p. m. omitted after the 14th.
(*h*) Observations taken at 7 a. m., 1 p. m., and 9 p. m.
(*i*) For the first five days of the month no observations at 9 p. m., and not corrected for temperature.
(*j*) Observations taken at sunrise, noon, and 10 p. m.
(*k*) Observations at 8 a. m., 2 p. m., and 9 p. m.
(*l*) Not corrected for temperature.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	30.01	1	.....	30.50	20	.....	29.42
Canada East	St. Martin's	29.95	17	7 a. m	30.38	19	9 p. m.	29.53
Canada West	Hamilton (*b*)	29.77	.....	9 a. m.	30.15	.....	9 p. m.	29.44
Maine	Carmel	29.67	22	7 a. m.	30.12	20	7 a. m	28.94
	Steuben	30.09	22	7 a. m.	30.52	20	7 a. m.	? 29.35
New Hampshire	Concord	29.72	22	7 a. m.	30.13	20	7 a. m.	29.20
	Hanover	29.52	.....	9 p. m.	29 98	.....	7 a. m.	29.00
	Great Falls	29.58	22	2 p. m.	30.01	3	2 p. m.	28.90
	Manchester	30.08	22	7 and 9.	36.57	20	7 a. m.	29.68
Vermont	Burlington	29.67	30	7 a. m.	30.08	20	7 a. m.	29.13
	St. Johnsbury	29.32	22	2 p. m.	29.70	19	9 p. m.	28.89
Massachusetts	Amherst	29.84	22	2 p. m.	30.24	20	7 a. m.	29.40
	Nantucket	30.08	22	9 p. m.	30.49	20	7 a. m.	29.65
	New Bedford	30.10	22	9 p. m.	30.49	20	7 a. m.	29.66
	Newburyport	30.06	22	2 p. m.	30.48	20	7 a. m.	29.51
	North Attleboro'	29.91	22	9 p. m	30.37	20	7 a. m.	29.43
	Princeton	28.94	22	2 p. m.	29.34	20	7 a. m.	28.47
	Southwick (*c*)	30.08	.....	7 a. m	30.44	.....	7 a. m.	29.66
	Williamstown	29.43	30	7 a. m.	29.76	9	7 a. m.	29.02
	Worcester	29.53	22	9 p. m.	29.90	19	9 p. m.	29.20
Rhode Island	Providence (*d*)	29.88	22	10 p. m.	30.31	19	10 p. m.	29.59
Connecticut	Pomfret	29.00	22	2 p. m.	29.36	20	7 a. m.	28.59
New York	Beaver Brook (*e*)	29.14	22	12 m.	29.50	20	5½ a. m.	28.79
	Canton	29.52	30	7 a. m.	29.92	19	9 p. m.	29.08
	Madrid	29.78	17	7 a. m.	30.28	19	9 p. m	29.26
	New York city (*f*)	30.08	.....	10 p. m.	30.49	.....	3 p. m.	29.67
	New York city, (noon)	30.08	.....	.....	30.46	.....	.....	29.74
	New York city, (sunset)	30.07	.....	.....	30.49	.....	.....	29.69
	New York city, [Deaf and Dumb Inst.]	29.98	17	7 a. m.	30.39	9	2 p. m.	29.61
	Penn Yan (*g*)	29.32	.....	2 p. m.	29.71	.....	Sunrise.	29.02
	Sag Harbor	29.79	22	9 p. m	30.25	20	7 a. m.	29.37
New Jersey	Bloomfield	29.95	22	9 p. m.	30 36	20	7 a. m.	29.50
	Burlington	29.91	22	9 p. m.	30.34	20	7 a. m.	29.59
	Lambertville	30.11	22	9 p. m.	30.44	19	9 p. m.	29.79
Pennsylvania	Bedford	29.19	22	7 a. m.	29.58	9	2 and 9.	28.87
	Brookville	28.83	22	2 p. m	29.20	9	2 and 9.	28.50
	Byberry	30.02	22	9 p. m.	30.43	10	2 p. m.	29.58
	Gettysburg	29.50	22	7 and 2.	29.87	10	7 a. m.	29.06
	Harrisburg	29.81	22	2 p. m.	30.19	10	7 a. m.	29.41
	Lima	29.94	22	7 and 9.	30.32	10	2 p. m.	29.51
	Morrisville (*h*)	30.16	22	7, 2, 9.	(*i*) 30.50	10	2 p. m.	29.80
	Norristown	30.00	22	9 p. m.	30.41	9	2 p. m.	29.56
	Philadelphia	30.00	23	7 a. m.	30.39	10	2 p. m.	29.66
	Pittsburg, [Oakland Station]	29.03	22	7 a. m.	29.40	10	2 p. m.	28.56
Maryland	Frederick	29.76	22	7 a. m	30.17	10	7 a. m.	29.32
Virginia	Alexandria	30.10	22	7 a. m.	30.52	10	7 a. m.	29.53
	Montcalm (*j*)	28.51	22	2 p. m.	29.11	10	2 p. m.	? 27.97
North Carolina	Chapel Hill	29.50	23	7 a. m.	29.83	.....	7 and 2.	29.06
South Carolina	Camden	29.89	17	7 a. m.	30.24	9	2 p. m.	29.37
Georgia	Savannah	30.02	22	9 p. m.	30.35	8	2 p. m.	29.04
	Sparta	29.41	22	9 p. m.	(*i*) 29.70	8	9 p. m.	28.89
	The Rock (*k*)	29.36	.....	.....	29.50	.....	.....	29.15
Florida	Cedar Keys	29.83	23	7 a. m.	30.02	8	2 and 9.	29.51
	Jacksonville	30.05	22	9 p. m.	30.30	8	2 p. m.	29.42
	Key West (*l*)	29.78	.....	2 p. m.	29.95	.....	7 a. m.	29.66
	Knox Hill	29.87	22	9 p. m.	30.14	8	2 p m.	29.52

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) Observations irregular at 2 p m., and only the first two days at 9 p. m.
(*d*) Observations taken at 6 a. m., 2 p. m., and 10 p. m.
(*e*) Observations taken at 5½ a. m , noon, and 7 p. m.
(*f*) Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m.
(*g*) Observations taken at sunrise, 2 p. m., and sunset.
(*h*) Not corrected for temperature.
(*i*) Same height at 7 a. m. on the 23d.
(*j*) Observations omitted on the first five and last four days of the month.
(*k*) Observations taken in the morning.
(*l*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Warrington (*a*)	29.94	23	Sunrise.	30.19	6	Sunset.	29.65
Alabama	Tuscaloosa	29.83	23	7 a. m.	30.12	9	2 p. m.	29.47
Mississippi	Oxford (*b*)	29.60	22	9 p. m.	29.83	25	9 p. m.	29 43
	Vicksburg	29.71	23	7 a. m.	29.89	9	9 p. m.	29.50
Texas	New Wied (*c*)	28.68	22	7, 2, 9.	28.91	25	2 p. m.	28.50
Tennessee	Glenwood	29.58	22	7 a. m.	30.05	9	2 p. m.	29.17
	Knoxville	29.09	22	7 a. m.	29.41	9	2 p. m.	28.66
	Memphis	29.46	22	7 and 9.	29.69	9	2 p. m.	29.18
Kentucky	Ballardsville	29.13	22	7 a. m.	29.51	9	2 p. m.	28.78
	Springdale	29.43	22	7 a. m.	29.82	9	2 p. m.	29.03
Ohio	College Hill	29.11	22	7 a. m.	29.54	9	7 a. m.	28.83
	Germantown	29.26	------	7 a. m.	29.71	-----	7, 2, 9.	28.95
	Granville	29.04	22	7 and 2.	29.47	9	2 p. m.	28.66
	Hillsborough	28.95	22	7 a. m.	29 37	9	2 p. m	28.56
	Marietta	29.29	22	7 a. m.	29.66	9	9 p. m.	28.92
	Oberlin	29.22	22	7 a. m.	29.61	9	2 p. m.	28.83
	Perrysburg	20.44	22	7 a. m.	29.86	8	9 p. m.	(*d*)29.12
	Urbana	28.98	------	-------	29.27	------	--------	28.68
	Zanesville	29.15	22	7 a. m.	29.57	9	2 p. m.	28.77
Michigan	Ann Arbor, [Winchell]	29.13	22	2 p. m.	29.46	8	9 p. m.	28.82
	Detroit	29.57	22	7 a. m.	29.99	11	9 p. m.	29.22
Indiana	Milton	29.09	22	7 a. m.	29.44	9	2 p. m.	28.72
	New Harmony	29.67	22	7 a. m.	30.03	9	2 p. m.	29.30
Illinois	Upper Alton	29.48	22	7 a. m.	29.88	8	9 p. m.	(*d*)29.20
Missouri	St. Louis	29.50	22	7 a. m.	29.90	8	9 p. m.	(*d*)29.18
Wisconsin	Beloit	29.24	22	7 a. m.	29.66	8	2 p. m.	28.93
	Ceresco	29.20	22	7 a. m.	29.55	11	2 p. m.	28.90
	Madison	29.13	22	7 a. m.	29.53	24	9 p. m.	28.76
	Milwaukie	29.42	22	7 a. m.	29.83	24	9 p. m.	29.12
Iowa	Dubuque	29.37	22	7 a. m.	29.79	8	2 p. m.	29.07
	Muscatine	29.55	22	7 a. m	29.93	3	2 and 9.	29 28
	Quasqueton	29.13	22	7 a. m.	29.52	11	7 a. m.	28.83
California	Sacramento, [Hatch] (*e*)	19.94	------	-------	----------	------	--------	--------
	Sacramento, [Logan]	30.04	------	-------	30.20	------	--------	29.85
	Stockton (*f*)	29.43	------	8 a. m.	29.60	------	8, 2, 8.	29.30

(*a*) Observations at sunrise, noon, and sunset.
(*b*) Observed last eleven days only.
(*c*) Not corrected for temperature.
(*d*) Same height at 7 a. m. on the 9th.
(*e*) Observations taken at sunrise, noon, and 10 p. m.
(*f*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches*			*Inches.*
Nova Scotia	Halifax (*a*)	30.08	------	--------	30.50	------	--------	29.30
Canada East	St. Martin's	29.97	20	7 and 9.	30.37	3	9 p. m.	29.21
Canada West	Hamilton (*b*)	29.74	25	9 a. m.	30.16	3	9 p. m.	28.86
Maine	Carmel (*c*)	29.75	21	7 a. m.	30.14	16	7 a. m.	28.77
	Steuben	30.04	21	7 a. m.	30.53	16	7 a. m	29.16
New Hampshire	Concord	29.71	26	7 a. m.	30.13	15	9 p. m.	28.95
	Hanover	29.51	------	7 a. m.	29.94	------	7 and 9.	28.82
	Great Falls	29.62	21	7 a. m.	30.01	15	9 p. m	28.82
	Manchester	30.08	20	7 a. m.	(*d*) 30.48	15	9 p. m.	29.33
Vermont	Burlington	29.67	20	2 p. m.	(*e*) 30.06	4	7 and 9.	29.00
	St. Johnsbury	29.32	20	7 a. m.	(*f*) 29.69	16	7 a. m.	28.60
Massachusetts	Amherst	29.83	20	7 a. m.	30.24	15	2 p. m.	29.16
	Nantucket	30.05	20	9 p. m.	30.46	15	2 p. m.	29.37
	New Bedford	30.07	6	7 a. m.	30.44	15	2 and 9.	29.35
	Newburyport	30.07	28	9 p. m	30.50	15	9 p. m	29.27
	North Attleboro'	29.80	20	9 p. m.	30.29	15	2 and 9.	29.18
	Princeton	28.94	5	2 p. m.	29.64	15	9 p. m.	28.21
	Williamstown	29.37	26	7 a. m.	29.75	15	9 p. m.	28.68
	Worcester	29.54	26	7 a. m.	29.92	15	9 p. m.	28.82
Rhode Island	Providence (*g*)	29.91	26	Sunrise	(*h*) 30.29	15	2 and 10	29.23
Connecticut	Pomfret	28.99	26	7 a. m.	29.35	15	2 p. m.	28.34
New York	Beaver Brook (*i*)	29.13	26	6 a. m.	29.48	3	6½ p. m.	28.50
	Canton	29.37	26	7 a. m.	29.91	3	9 p. m.	28.65
	Madrid (*j*)	----------	24	9 p. m.	30.19	3	9 p. m.	28.89
	New York city (*k*)	30.08	------	Sunrise.	30.49	------	10 p. m.	29.47
	New York city, (noon)	30.06	------	--------	30.48	------	--------	29.57
	New York city, (sunset)	30.04	------	--------	30.40	------	--------	29.42
	New York city, [Deaf and Dumb Inst.]	29.99	20	7 a. m	30.36	14	9 p. m.	29.40
	Penn Yan (*l*)	29.34	------	Sunset.	29.73	------	Sunset.	28.56
	Sag Harbor (*m*)	29.80	21	7 a. m.	(*e*) 30.21	16	7 and 9.	29.22
	Spencertown	29.42	6	7 a. m.	29.87	16	2 p. m.	29.84
New Jersey	Bloomfield	29.94	6	7 a. m.	30.34	3	9 p. m.	29.30
	Burlington (*n*)	30.04	6	2 p. m.	(*o*) 30.40	3	9 p. m.	29.48
	Lambertville	30 07	20	9 p. m.	30.43	3	9 p. m.	29.47
	Newark (*p*)	30.10	6	7 a. m.	30.47	4	7 a. m.	29.59
Pennsylvania	Bedford	29.23	26	7 a. m.	29.54	3	9 p. m.	28.48
	Brookville (*q*)	28.76	17	9 p. m.	29.24	3	2 p. m.	28.11
	Byberry	30.01	6	7 a. m.	30.43	3	9 p. m.	29.36
	Gettysburg	29.51	20	7 a. m.	29.86	14	2 p. m.	29.01
	Harrisburg	29.83	6	7 a. m	30.21	3	9 p. m	29.12
	Lima	29.93	6	7 a. m.	30.34	3	9 p. m.	29.28
	Morrisville (*n*)	30.17	6	7, 2, 9	(*r*) 30.50	14	9 p. m.	29.60
	Norristown	30.04	6	7 a. m.	30.42	3	9 p. m.	29.40
	Philadelphia	29.98	20	9 p. m.	30.33	3	9 p. m.	29.44
	Pittsburg, [Marine Hospital] (*s*)	29.34	6	7 a. m.	29.67	3	2 and 9.	28.68
	Pittsburg, [Oakland Station]	29.00	7	7 a. m.	29.43	3	2 p. m.	28.32
Maryland	Frederick	29.78	20	7 a. m.	30.17	3	2 p. m.	29.18
Dist. of Columbia	Washington	30.10	6	7 a. m.	30.57	3	9 p. m.	29.45
Virginia	Alexandria	30.11	20	7 a. m.	30.49	3	9 p. m.	29.50
	Montealm (*t*)	28.78	20	7 a. m	(*u*) 29.19	14	9 p. m.	28.11
North Carolina	Chapel Hill	29.54	7	7 a. m.	29.83	3	9 p. m	29.09

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) No observations from 1st to 6th.
(*d*) Same height at 7 a. m. on the 21st and 7 a. m. on the 26th.
(*e*) Same height at 7 a. m. on the 26th.
(*f*) Same height at 7 a. m. on the 21st.
(*g*) Observations taken at 2 p. m. and 10 p. m.
(*h*) Same height on the 20th at 2 p. m.
(*i*) Observations at 6 a. m., noon, and 6½ p. m.
(*j*) Record imperfect and doubtful.
(*k*) Observations at sunrise, noon, 3 p. m., sunset, and 10 p. m.
(*l*) Observations taken at sunrise, 2 p. m., and sunset.
(*m*) Observations taken at 9 a. m. and 3 p. m. No observations from 16th to 21st.
(*n*) Not corrected for temperature.
(*o*) Same height at 7 a. m. and 9 p. m. on the 20th, and at 7 a. m. on the 26th and 27th.
(*p*) Observations taken at 7 a. m. and 5 p. m.
(*q*) No observations after the 17th
(*r*) Same height at 9 p. m. on the 19th, and 7 a. m., 2 and 9 p. m. on the 21st, and 7 a. m., 2 and 9 p. m. on the 26th.
(*s*) Observations from 3d to 15th only.
(*t*) Incomplete.
(*u*) Same height at 7 a. m. on the 21st.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
South Carolina	Camden	29.95	6	7 a. m.	30.29	3	9 p. m.	29.53
Georgia	Savannah	30.11	6	7 a. m	30.37	16	2 p. m.	29.74
	Sparta	29.47	7	7 a. m.	29.69	3	9 p. m.	29.12
	The Rock (*a*)	29.38	------	------	29.63	------	------	29.00
Florida	Cedar Keys	29.89	21	7 a. m.	30.05	15	2 p. m.	(*b*)29.66
	Jacksonville	30.12	20	9 p. m.	30.32	16	2 p. m.	29.78
	Key West (*c*)	29.77	11	2 p. m.	29.95	16	7 and 2.	(*d*)29.67
	Knox Hill	29.93	6	7 a. m.	(*e*) 30.14	16	2 p. m.	29.68
	Warrington (*f*)	30.03	6	12 m.	30.28	3	Sunset.	29.76
Alabama	Tuscaloosa	29.90	7	7 a. m.	30.19	3	2 p m.	29.53
Mississippi	Oxford	29.60	7	7 a. m.	29.86	3	2 p. m.	29.23
Louisiana	New Orleans (*g*)	30.30	21	9 p. m.	30.49	16	2 p. m.	30.03
Texas	New Wied (*h*)	28.79	6	7 a. m.	29.02	3	2 p. m.	28.56
Tennessee	Glenwood	29.62	7	7 a. m.	29.96	3	2 p. m.	29.16
	Knoxville	29.13	7	7 a. m.	29.46	3	2 p. m.	28.61
	Memphis (*i*)	29.53	7	7 a. m.	(*j*) 29.73	3	7 a. m.	29.18
Kentucky	Ballardsville	29.16	19	2 p. m.	29.47	4	7 a. m.	28.63
	Springdale	29.48	7	7 a. m.	29.80	3	2 p. m.	28.93
Ohio	College Hill	29.14	19	7 a. m.	29.48	3	2 p. m.	28.50
	Germantown	29.33	------	7 a. m.	29.65	------	2 p. m.	28.97
	Granville (*i*)	29.04	19	7 a. m.	29.38	3	2 p. m.	28.34
	Hillsborough	28.96	19	7 a. m.	(*e*) 29.30	3	2 p. m.	28.30
	Marietta	29.30	25	7 a. m.	29.59	3	2 p. m	28.61
	Oberlin	29.18	25	7 a. m.	29.57	3	2 p. m.	28.36
	Perrysburg	29.42	25	7 a. m	29.84	3	2 p. m.	28.66
	Urbana	28.93	------	------	29.24	------	------	28.27
	Zanesville	29.21	25	7 a. m.	29.55	3	2 p. m.	28.49
Michigan	Ann Arbor, [Winchell]	29.11	25	7 a. m.	29.51	3	2 p. m.	28.24
	Detroit	29.56	25	7 a. m.	30.04	3	2 p. m.	28.70
Indiana	Milton	29.06	3	9 p. m.	29.38	3	7 a. m.	28.44
	New Harmony	29.72	19	7 a. m.	(*k*) 29.97	3	7 a. m.	29.10
Missouri	St. Louis	29.52	19	7 a. m.	29.81	3	7 a. m.	29.08
Wisconsin	Beloit	29.26	25	7 a. m.	29.64	3	7 a. m.	28.52
	Ceresco	29.15	25	7 a. m.	29.54	3	2 p. m.	28.25
	Madison	29.06	25	7 a. m.	29.42	2	9 p. m.	28.54
	Milwaukie	29.40	25	7 a. m	29.81	3	7 a. m.	28.57
Iowa	Dubuque	29.37	25	7 a. m.	29.75	3	7 a. m.	28.71
	Muscatine	29.54	25	7 a. m.	29.86	3	7 a. m.	29.11
	Quasqueton	29.11	25	7 a. m.	29.44	3	7 a m	28.55
California	Sacramento, [Hatch] (*l*)	30.00	------	------	------	------	------	------
	Sacramento, [Logan]	30.13	------	------	30.20	------	------	29.83
	Stockton (*m*)	29.51	------	8 a. m., 2 p. m.	29.70	------	2 p. m.	29.25
Central America	Truxillo, Honduras (*n*)	30.14	27	9 a. m.	(*o*) 30.76	4	3 p. m.	29.55

(*a*) Observations in the morning.
(*b*) Same height at 2 and 9 p. m. on the 16th.
(*c*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*d*) Same height at 7 a. m. on the 17th.
(*e*) Same height at 7 a. m. on the 20th.
(*f*) Observations taken at sunrise, noon, and sunset.
(*g*) Incomplete.
(*h*) Not corrected for temperature.
(*i*) No observations after the 23d.
(*j*) Same height at 7 a. m. on the 19th.
(*k*) Same height at 9 p. m. on the 24th.
(*l*) Observations taken at sunrise, noon, and 10 p. m.
(*m*) Observations taken at 8 a. m., 2 p. m., and 8 p. m.
(*n*) Observations taken at 9 a. m. and 3 p. m.
(*o*) Same height at 7 a. m. on the 28th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax (*a*)	29.86	5	--------	30.50	17	--------	28.90
Canada East	St. Martin's	29.75	4	9 p. m.	30.50	25	2 p. m.	28.99
Canada West	Hamilton (*b*)	29.49	------	9 p. m.	30.22	------	9 a. m.	28.75
Maine	Carmel	29.48	5	7 a. m.	30.11	30	7 a. m.	28.94
	Steuben (*c*)	29.92	5	9 p. m.	30.51	8	7 a. m.	29.39
New Hampshire	Concord	29.46	5	7 a. m.	30.14	25	9 p. m.	28.85
	Hanover	29.24	------	7 a. m.	29.97	------	7 a. m.	28.64
	Great Falls (*d*)	29.34	5	7 a. m.	30.03	25	2 p. m.	28.81
	Manchester	29.86	5	7 a. m.	30.50	25	7 a. m.	29.27
Vermont	Burlington	29.44	5	7 a. m.	30.17	25	2 p. m.	28.74
	St. Johnsbury	29 16	5	7 a. m.	29.78	25	2 p. m.	28.57
Massachusetts	Amherst	29.60	5	7 a. m.	30.28	25	7 a. m.	28.93
	Nantucket	29.85	5	2 p. m.	30.49	28	2 p. m.	29.11
	New Bedford	29.76	5	7 and 2.	30.37	25	7 and 2.	29.23
	Newburyport	29.83	5	7 a. m.	30.50	25	2 p. m.	29.26
	North Attleboro'	29.67	5	7 and 2.	30.31	25	7 a. m.	29.09
	Princeton	28.69	5	7 a. m.	29.28	25	7 a. m.	28.11
	Southwick (*e*)	29.80	5	7 a. m.	30.53	25	7 a. m.	29.21
	Williamstown	29.14	5	7 a. m.	29.77	25	7 a. m.	28.42
	Worcester	29.34	5	7 a. m.	29.97	25	2 p. m.	28.89
Rhode Island	Providence (*f*)	29.68	5	Sunrise.	30.33	25	Sunrise.	29.05
Connecticut	Pomfret	28.77	5	7 a. m.	29.35	25	7 a. m.	28.22
New York	Beaver Brook (*g*)	28.88	5	6½ a. m., 12 m.	29.49	25	6½ a. m.	28.20
	Canton	29.24	5	7 a. m.	30.00	25	7 a. m.	28.53
	New York city (*h*)	29.88	------	3 p. m.	30.49	------	Sunrise.	29.20
	New York city, (noon)	29.85	------	--------	30.51	------	--------	29.27
	New York city, (sunset)	29.85	------	--------	30.48	------	--------	29.38
	New York city, [Deaf and Dumb Inst.]	29.80	5	7 a. m.	30.41	25	7 a. m.	29.07
	Penn Yan (*i*)	29.08	-----	Sr. & ss.	29.70	------	Sunrise.	28.39
	Sag Harbor	29.61	5	7 a. m.	30.29	25	7 a. m.	28.97
	Spencertown	29.08	5	2 p. m.	29.72	25	7 a. m.	28.39
New Jersey	Bloomfield	29.72	5	2 p. m.	30.35	25	7 a. m.	29.01
	Burlington (*j*)	29.89	5	2 and 9.	30.50	25	7 a. m.	29.25
	Lambertville	29.87	5	7 a. m.	30.41	24	9 p. m.	29.34
Pennsylvania	Bedford	28.98	4	9 p. m.	29.50	24	9 p. m.	28.35
	Byberry	29.81	5	7 a. m.	30.46	25	7 a. m.	29.15
	Gettysburg	29.34	5	7 a. m.	29.93	24	9 p. m.	28.63
	Harrisburg	29 60	5	7 a. m	30.22	24	9 p. m.	28.96
	Lima	29.73	5	2 p. m.	30.33	25	7 a. m.	29.07
	Morrisville (*j*)	29 99	5	7 a. m.	30.55	25	7 a. m.	29.35
	Norristown	29.77	4	9 p. m.	30.37	24	9 p. m.	29.15
	Philadelphia	29.83	5	7 a. m.	30.37	25	7 a. m.	29.26
	Pittsburg, [Oakland Station]	28.81	5	7 a. m.	29.40	24	2 and 9.	28.18
Delaware	Newark (*e*)	29.72	5	7 a. m.	30.32	25	7 a. m.	29.06
Maryland	Frederick	29.60	5	7 a. m.	30.22	24	2 and 9.	28.97
Dist. of Columbia	Washington	29.90	5	7 a. m.	30.51	24	9 p. m.	29.20
Virginia	Alexandria	29.93	5	7 a. m.	30.53	25	7 a. m.	29.33
	Montcalm (*e*)	28.54	9	7 a. m.	29.01	24	9 p. m.	27.91
North Carolina	Chapel Hill	29.42	5	9 p. m.	29.86	15	9 p. m.	28.95
	Thornbury	29.96	5	7 a. m.	30.48	24	9 p. m.	29.31
South Carolina	All Saints	29.95	5	9 p. m.	30.29	25	2 p. m.	29.50
	Camden	29.83	5	9 p. m.	30.20	24	2 p. m.	29.23
Georgia	Savannah	30.02	5	7 a. m.	30.32	24	9 p. m.	29.49
	Sparta	29.47	5	7 a. m.	29.68	24	2 p. m.	28.88
	The Rock (*k*)	29.29	------	--------	29.60	------	--------	28.85
Florida	Cedar Keys (*l*)	29.89	13	7 a. m.	30.41	25	2 p. m.	29.51

(*a*) Observations taken at 6 a. m. and 3 p. m.
(*b*) Observations taken at 9 a. m. and 9 p. m.
(*c*) From the 3d of the month to the 23d, inclusive.
(*d*) Observations taken only from the 5th to the 26th, inclusive.
(*e*) Observations imperfect.
(*f*) Observations taken at sunrise, 2 p. m., and 10 p. m.
(*g*) Observations taken at 6½ a. m., noon, and 5½ p. m.
(*h*) Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m.
(*i*) Observations at sunrise, 2 p. m., and sunset.
(*j*) Not corrected for temperature.
(*k*) Observations taken in the morning.
(*l*) For the last 20 days of the month only.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Jacksonville	30.09	14	7 a. m.	30.36	------	2 p. m.	29.60
	Key West (*a*)	29.80	3	2 p. m.	29.98	25	7 a. m.	29.57
	Knox Hill (*b*)	29.88	14	7 a. m.	30.19	24	2 p. m.	29.46
	Warrington (*c*)	30.03	14	Sunrise.	30.33	24	Sunset.	(*d*) 29.59
Alabama	Tuscaloosa	29.84	4	9 p. m.	30.17	24	2 p. m.	29.34
Mississippi	Oxford	29.53	4	9 p. m.	29.92	24	2 p. m.	29.08
Louisiana	New Orleans (*e*)	30.21	14	7 a. m.	30.54	25	7 a. m.	29.81
Texas	New Wied (*f*)	28.94	------	7 a. m.	29.36	25	9 p. m.	28.52
Tennessee	Glenwood	29.54	4	7 a. m.	29.98	24	7 a. m.	28.93
	Knoxville	28.98	5	7 and 9.	29.41	26	2 p. m.	28.21
Kentucky	Ballardsville	29.25	4	2 p. m.	29.53	24	2 p. m.	28.23
	Springdale	29.34	4	2 p. m.	29.86	24	7 a. m.	28.66
Ohio	College Hill	28.95	4	7 a. m.	29 53	24	2 p. m.	28.20
	Germantown	29.18	------	9 p. m.	29.72	------	2 p. m.	28.64
	Granville (*g*)	28.87	10	7 a. m.	29.48	24	2 p. m.	28.10
	Hillsborough	28.77	5	7 a. m.	29.32	24	2 p. m.	28.04
	Marietta	29.14	5	7 a. m.	29.64	23	2 p. m.	28.00
	Oberlin	28.95	4	9 p. m.	29.62	24	2 p. m.	28.13
	Perrysburg (*h*)	29.25	4	7 a. m.	29.88	24	7 a. m.	28.46
	Urbana	28.68	------	--------	29.30	------	--------	27.98
	Zanesville	29.06	5	7 a. m.	29.63	24	9 p. m.	28.39
Michigan	Ann Arbor, [Winchell]	28.88	4	2 p. m.	29.56	24	2 p. m.	28.02
	Detroit	29.35	4	2 and 9.	30.02	24	2 p. m.	28.53
Indiana	Madison	29.41	4	2 p. m.	29.95	24	2 p. m.	28.18
	Milton	28.91	4	2 p. m.	29.62	24	7 a. m.	28.12
	New Harmony	29.61	4	7 a. m.	30.09	24	7 a. m.	28.93
Illinois	Upper Alton	29.41	4	7 a. m.	30.36	24	2 p. m.	28.40
Missouri	St. Louis	29.43	4	2 p. m.	30.01	24	7 a. m.	28.84
Wisconsin	Beloit	29.02	4	7 a. m.	29.83	24	7 a. m.	28.40
	Ceresco	28.96	8	2 p. m.	29.77	24	7 a. m.	28.31
	Madison	28.86	4	7 a. m.	29.57	24	9 p. m.	28.22
	Milwaukie	29.21	4	7 a. m.	29.93	24	7 a. m.	28.49
Iowa	Dubuque	29.23	4	7 a. m.	29.94	24	7 a. m.	28.38
	Muscatine	29.45	4	7 a. m.	30.11	24	7 a. m.	28.85
California	Sacramento, [Hatch] (*i*)	30.07	------	--------	----------	------	--------	--------
	Sacramento, [Logan]	30.21	------	--------	30.35	------	--------	30.05
	Stockton (*j*)	29.61	------	8, 2, 8.	29.70	------	9 p. m.	29.45
Central America	Truxillo, Honduras (*k*)	30.13	24	9 a. m.	30.87	25	9 a. m.	29.06

(*a*) Not corrected for temperature. Observations at 7 a. m. and 2 p. m.
(*b*) For the first 25 days of the month only.
(*c*) Observations taken at sunrise, noon, and sunset.
(*d*) Same height at sunrise on the 25th.
(*e*) No observations for the first seven days of the month.
(*f*) Not corrected for temperature.
(*g*) No observations on the first and second days of the month.
(*h*) Observations taken at 7 a. m., 1 p. m., and 9 p. m.
(*i*) Observations taken at sunrise, noon, and 10 p. m.
(*j*) Observations taken at 8 a. m , 2 p. m., and 8 p. m.
(*k*) For the last 26 days of the month only. Obs. at 9 a. m. and 3 p. m.

No. 13—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Nova Scotia	Halifax	29 86	22	--------	30. 65	5	--------	28. 80
Canada East	St. Martin's	29. 79	23	2 p. m.	30. 59	5	7 a. m.	29. 06
Canada West	Hamilton (*a*)	29. 62	------	9 a. m.	30. 16	------	9 p. m.	28. 98
Maine	Carmel	29. 54	23	2 p. m.	30. 47	4	9 p. m.	28. 46
	Steuben	29. 95	23	2 p. m.	30. 86	4	9 p. m.	(*b*) 28. 89
New Hampshire	Concord	29. 53	23	9 p. m.	30. 41	4	9 p. m.	28. 52
	Hanover	29. 36	------	7 and 2.	29. 93	------	2 p. m.	28. 41
	Great Falls	29. 46	23	7 and 2.	30. 33	4	9 p. m.	28. 39
	Manchester (*c*)	29. 90	23	7 a. m.	30. 77	4	9 p. m.	28. 93
Vermont	Burlington	29. 55	23	7 a. m.	30. 35	4	2 p. m.	28. 73
	St. Johnsbury	29. 19	23	7 and 2.	29. 99	4	9 p. m.	28. 29
Massachusetts	Amherst	29. 68	23	2 p. m.	30. 53	4	7 a. m.	28. 69
	Nantucket	29. 88	23	2 and 9.	30. 73	4	2 p. m.	29. 02
	New Bedford	29. 84	23	2 and 9.	30. 64	4	2 p. m.	28. 87
	Newburyport (*d*)	29. 91	23	2 p. m.	30. 78	4	9 p. m.	28. 86
	North Attleboro'	29. 71	23	2 p. m.	30. 57	4	2 p. m.	28. 76
	Princeton	28. 69	23	2 p. m.	29. 50	4	2 and 9.	27. 76
	Southwick (*e*)	29. 91	23	7 and 2.	30. 75	5	7 a. m.	29. 20
	Westfield	31. 04	3	7 a. m.	31. 48	2	2 p. m.	30. 83
	Williamstown (*f*)	29. 28	23	7 a. m.	29. 98	7	2 p. m.	28. 66
	Worcester	29. 34	23	2 p. m.	30. 16	4	2 p. m.	28. 34
Rhode Island	Providence (*g*)	29. 68	23	10 p. m.	30. 49	4	2 p. m.	28. 95
Connecticut	Pomfret	28. 77	23	2 p. m.	29. 56	4	7 and 2.	27. 93
New York	Beaver Brook (*h*)	28. 95	23	12 m.	29. 66	4	7 a. m.	28. 20
	Canton	29. 40	23	7 a. m.	30. 15	4	2 and 9.	28. 73
	New York city (*i*)	29. 95	------	9 a. m.	30. 76	------	10 p. m.	28. 98
	New York city (*j*)	29. 94	------	Sunrise.	30. 75	------	Sunrise.	29. 09
	New York city, [Deaf and Dumb Inst.]	29. 87	23	7 and 2.	30. 60	4	2 p. m.	29. 08
	Penn Yan (*k*)	29. 14	------	Sunrise.	29. 73	------	Sunrise.	28. 59
	Sag Harbor	29. 69	------	2 p. m.	30. 52	------	7 and 9.	28. 71
	Spencertown	29. 15	23	7 a. m.	29. 94	4	7 a. m.	28. 24
New Jersey	Bloomfield	29. 85	26	7, 2, 9	30. 61	4	7 a. m.	28. 91
	Burlington (*l*)	30. 00	23	7 a. m.	30. 70	3	9 p. m.	29. 20
	Lambertville	29. 93	23	2 p. m.	30. 72	4	7 a. m.	29. 13
Pennsylvania	Bedford	29. 04	4	7 and 2.	29. 64	6	9 p. m.	28. 57
	Gettysburg	29. 43	23	7 a. m.	30. 08	3	9 p. m.	28. 81
	Harrisburg	29. 71	23	2 p. m.	30. 39	4	7 and 9.	29. 10
	Lima	29. 82	23	7 a. m.	30. 54	3	9 p. m.	29. 09
	Morrisville (*l*)	30. 11	23	7 and 2.	30. 80	4	7 a. m.	29. 32
	Norristown	29. 86	23	7 p. m.	30. 66	4	7 a. m.	29. 22
	Philadelphia	29. 89	23	7 and 2.	30. 50	3	9 p. m.	29. 24
	Pittsburg, [Marine Hospital] (*m*)	29. 22	23	2 p. m.	29. 68	15	9 p. m.	(*n*) 29. 03
	Pittsburg, [Oakland Station] (*o*)	28. 95	22	9 p. m.	29. 41	3	2 p. m.	28. 44
Delaware	Newark (*p*)	29. 75	9	9 p. m.	? 30. 38	3	9 p. m.	? 29. 17
Maryland	Frederick	29. 66	23	7 a. m.	30. 33	3	9 p. m.	29. 13
Dist. of Columbia	Washington	30. 01	23	7 a. m.	30. 68	3	2 p. m.	29. 41
Virginia	Alexandria	30. 02	23	2 p. m.	30. 64	3	9 p. m.	29. 44
	Montcalm (*q*)	28. 83	23	2 p. m.	29. 55	3	2 and 9.	28. 26
North Carolina	Chapel Hill	29. 48	9	9 p. m.	29. 94	3	7 a. m.	29. 01
	Thornbury	30. 04	9	7 a. m.	30. 59	3	2 p. m.	29. 49
South Carolina	All Saints	30. 03	9	7 a. m.	30. 47	3	2 p. m.	29. 55
	Camden	29. 92	9	7 a. m.	30. 35	3	2 p. m.	29. 50
Georgia	Savannah	30. 10	23	9 p. m.	30. 44	3	2 p. m.	29. 66
	Sparta	29. 48	9	7 a. m.	29. 80	15	9 p. m.	29. 17
	The Rock (*r*)	29. 43	------	--------	----------	------	--------	--------

(*a*) Observations taken at 9 a. m. and 9 p. m.
(*b*) Same height at 7 a. m. on the 5th.
(*c*) Observations taken at 7 a. m., 1 p. m., and 9 p. m.
(*d*) Observations taken at 8 a. m. and 2 and 9 p. m.
(*e*) Observations irregular. Only eight observations at 9 p. m.
(*f*) No observations until the 7th.
(*g*) Observations taken at sunrise, 2 p. m., and 10 p. m.
(*h*) Observations taken at 7 a. m., noon, and 5 p. m.
(*i*) Observations taken at 9 a. m., 3 p. m., and 10 p. m.
(*j*) Observations taken at sunrise, noon, and sunset.
(*k*) Observations taken at sunrise, 2 p. m., and sunset.
(*l*) Not corrected for temperature.
(*m*) No observations before the 12th.
(*n*) Same height at 9 p. m. and the 16th and at 2 p. m. on the 17th.
(*o*) Same height at 7 a. m, on the 23d.
(*p*) Observations omitted after the 19th
(*q*) Observations irregular.
(*r*) Observations taken in the morning for the last few days of the month only.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1854—Continued.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys	29.97	23	7 a. m.	30.22	15	2 and 9.	29.69
	Jacksonville	30.14	17	7 a. m.	30.44	15	9 p. m.	29.34
	Key West (*a*)	29.86	------	2 p. m.	30.05	------	7 and 2.	29.60
	Warrington (*b*)	30.12	31	12 m.	30.31	15	Sunset.	29.82
Alabama	Tuscaloosa	29.94	20	7 a. m.	30.15	15	2 p. m.	29.57
Mississippi	Oxford	29.62	29	7 a. m.	29.84	15	2 p. m.	29.25
Louisiana	New Orleans	30.33	20	7 a. m.	30.56	28	2 p. m.	30.11
Texas	New Wied (*a*)	29.08	20	7 a. m.	29.41	26	2 p. m.	28.70
Tennessee	Glenwood	29.63	11	7 a. m.	29.85	15	2 p. m.	29.24
	Knoxville	29.09	23	7 a. m.	29.47	3	2 p. m.	(*c*) 28.72
Kentucky	Ballardsville	29.09	8	7 a. m.	29.36	6	9 p. m.	28.69
	Springdale	29.45	8	7 a. m.	29.73	6	2 p. m.	29.02
Ohio	Germantown	29.24	------	2 p. m.	29.57	------	2 p. m.	28.73
	Granville	28.95	23	7 a. m.	29.31	8	7 a. m.	28.21
	Hillsborough	28.87	8	2 p. m.	29.19	6	2 p. m.	28.40
	Marietta	29.24	23	7 a. m.	29.58	3	7 a. m.	28.76
	Oberlin	29.06	23	7 a. m.	29.49	6	2 p. m.	28.52
	Perrysburg (*d*)	29.39	6	7 a. m.	29.85	3	7 a. m.	28.77
	Urbana	28.76	------	--------	29.10	------	--------	28.27
	Zanesville	29.17	8	7 a. m.	29.53	3	7 p. m.	28.67
Michigan	Ann Arbor, [Winchell] (*e*)	29.01	22	9 p. m.	29.41	6	2 p. m.	28.38
	Detroit (*f*)	29.49	22	9 p. m.	(*g*) 29.90	3	7 p. m.	28.86
	Monroe, [Perkins] (*a*)	28.88	------	7, 2, 9	29.20	------	7 and 2.	28.30
Indiana	Madison (*h*)	29.49	8	7 a. m.	29.81	6	1 p. m.	29.05
	Milton	29.03	8	2 p. m.	29.29	3	7 a. m.	28.63
	New Harmony	29.70	11	7 a. m.	29.95	15	2 p. m.	29.30
Illinois	Upper Alton	29.50	12	7 a. m.	29.78	15	7 a. m.	29.10
Missouri	St Louis	29.52	5	7 a. m.	29.78	6	2 p. m.	(*i*) 29.12
Wisconsin	Beloit	29.19	10	9 p. m.	(*j*) 29.48	6	7 a. m.	28.52
	Milwaukie	29.35	11	7 a. m.	29.67	6	7 a. m.	28.61
Iowa	Dubuque	29.33	11	7 a. m.	29.65	6	7 a. m.	28.76
	Muscatine	29.60	12	7 a. m.	(*k*) 29.90	6	7 a. m.	29.10
	Quasqueton	29.08	8	7 a. m.	29.39	6	2 p. m.	28.65
California	Sacramento, [Hatch] (*l*)	30.15	------	--------	----------	------	--------	--------
	Sacramento, [Logan]	29.69	------	--------	30.26	------	--------	29.68
	Stockton (*m*)	29.67	------	8, 2, 8	29.90	------	8 p. m.	29.40
Central America	Truxillo, Honduras (*n*)	30.06	30	9 a. m.	30.22	5	3 p. m.	29.86

(*a*) Not corrected for temperature.
(*b*) Observations taken at sunrise, noon, and sunset.
(*c*) Same height at 9 p. m. on the 15th.
(*d*) Observations taken at 7 a. m., 1 p. m., and 9 p. m.
(*e*) Observations taken at 7 a. m., noon, and 5 p. m.
(*f*) Observations incomplete.
(*g*) Same height at 7 a. m. on the 23d.
(*h*) Observations taken at 7 a. m., 1 p. m., and 9 p. m.
(*i*) Same height at 7 a. m. on the 15th.
(*j*) Same height at 9 p. m. on the 11th.
(*k*) Same height at 9 p. m. on the 17th.
(*l*) Observations taken at sunrise, noon, and 10 p. m.
(*m*) Observations taken at 8 a. m., 2 p. m , and 8 p. m.
(*n*) Observations taken at 9 a. m. and 3 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Albion Mines	14.00	20.71	18.26	17.66	13	54	13	49.67	30	—23	29	—13.00	6.6
Halifax (*a*)	19.10	24 40	22.50	22.00	13	47	....	.....	29	- 10	....	.....	....
CANADA EAST—													
St. Martin's	5.00	14.25	7.58	8.94	12	44	12	36.67	29	—34	29	—19.10	5.2
CANADA WEST—													
Hamilton (*b*)	26.13	.....	27.22	26.67	....	50	4	49.00	....	6	23	7.00	....
MAINE—													
Biddeford (*c*)	14.22	26.79	25.87	22.29	5	50	6	43.33	29	—25	29?	.....	7.0
Carmel (*d*)	6.48	17.32	7.47	10.42	13	49	14	42.83	30	— 30	30	19.67	4.8
Oldtown	12.10	16.81	14.29	14.40	13	42	13	39.00	30	—30	29	—24.00	2.8
South Thomaston	28.16	32.23	28.48	29.62	7	43	7	40.33	28	12	28	13.00	3.5
Windham	11.14	24.31	14.69	16.71	5	48	5	39.33	29	—19	29	—10.00	4.3
NEW HAMPSHIRE—													
Concord	13.42	25.42	20.23	19.69	5	46	5	39.67	30	—25	30	7.67	5.3
Hanover	9.85	24.29	14.92	16.35	13	42	13	39.88	29	—29	29	17.83	6.3
Exeter	12.81	25.13	17.65	18.53	12	48	12	40.00	29	—20	29	— 6.33*e*	5.3
Londonderry	15.05	26.16	19.66	20.29	12	49	12	*f*40.33	30	—16	29	— 7.33	5.5
Manchester	14.29	28.58	22.51	21.79	6	*g*47	5	41.35	30	—20	29	— 7.67	6.1
Salmon Falls	13.92	26.92	20.32	20.39	5	47	13	41.83	30	—22	29	— 4.00	5.4
VERMONT—													
Brandon	17.61	25.13	19.60	20.78	12	49	12	45.50	29	—19	29	— 5.67	7.4
Burlington	16.81	23.90	18.07	19.59	12	53	4	41.67	25	—15*h*	29	— 7.33*e*	4.1
Castleton	16.70	29.65	20.81	22.39	12	53	4	40.33	9	— 1	25	2.67	6.3
Craftsbury (*i*)	6.22	17.71	12.04	11.99	4	43	4	35.00	25	—27	25	—11.00	5 8
St. Johnsbury	9.13	18.89	14.13	14.05	4	45	13	39.00	29	—32	29	—20.50	5.2
MASSACHUSETTS—													
Amherst	17.37	27.10	22.62	22.36	12	50	12	40.23	29	—10	29	— 3.20	5.3
Barnstable	27 06	34.68	28.94	30.23	12	51	12	49.33	29	— 1	29	5.67	5.5
Mendon	18.81	27.87	24.29	23.66	12	57	12	47.67	29	— 8	29	0.00	5.7
Nantucket	31.07	34.94	31.82	32.61	5	49	12	48.50	29	10	25	12.86	5.6
New Bedford	25.39	33.27	27.84	28.83	12	52	12	47.50	29	- 4.5	29	6.17	6.2
Newburyport	19.18	27.06	21.23	22.49	12	52	12	43.10	23	—16	29	— 4.80	7.7
North Attleboro'	20.30	29.91	24.35	24.85	12	51	12	45.40	29	— 8.3	29	— 0.30	5.4
Princeton	18.39	24.57	20.57	21.18	12	49	12	43.33	28	— 4	9	3.00	5.0
Richmond	19.06	27.94	21.23	22.74	12	52	4	*j*40.67	29	— 8	29	2.67	6.4
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.2
Springfield (*k*)	16.39	27.77	24.10	22.75	12	48	12	40.67	29	—12	29	— 1.33	....
Worcester	19.21	28.23	23.61	23.68	12	50	5	40.33	29	— 6	29	1.33	4.7
RHODE ISLAND—													
North Scituate	19.42	27.29	21.79	22.87	12	53	12	45.66	29	— 1	29	— 0.03	6.0
Providence (*l*)	23.1	31.2	24.8	26.40	12	53	12	48.33	29	— 6	29	1 83	....
CONNECTICUT—													
New London	26.03	35.00	28.29	29.77	*m*6	49	12	48.67	29	1	29	12.67	5.3
Pomfret	20.42	28.61	23.48	24.17	12	51	12	48.67	29	— 7	29	1.00	5.2
Salisbury (*n*)	23.10	29.10	23.65	25.28	12	52	12	49.50	25	*h*2	25	8.25	....
Saybrook	24.71	32.52	27.03	28.09	12	51	12	48.33	29	1	29	11.00	5.3
West Cornwall	20.07	29.56	22.37	24.00	5	51	5	43.00	25	*h*0	25	7.00	4.6
NEW YORK—													
Baldwinsville	21.97	26.29	24.03	24.10	4	47	12	44.33	29	— 3	28	4.00	8.0
Beverly	23.52	30.97	26.58	27.02	12	54	12	51.70	29	2	29	9.33	5.9
Buffalo, [Salisbury] (*o*)	23.96	27.68	24.67	25.44	12	52	12	44.67	23	5	23	8.33	5.8
Canton	12.61	22.03	14.77	16.47	12	53	4	46.67	25	—28	25	—12.67	6.7
Chatham	21.48	27.81	23.98	24.42	12	58	12	52.67	29	— 6	29	2.66	6.7
Falconer	20.58	28.19	21.55	23.44	20	50	12	44.16	28	— 4	23	1.16	5.6
Fishkill (*p*)	25.25	34.77	29.41	29.81	....	59	....	.....	....	— 1	....	.....	....

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken at 7 a. m., 1¼ p. m., and sunset.
d Observations omitted from the 3d to the 6th of the month.
e Same temperature on the 25th.
f Same temperature on the 13th.
g Same temperature on the 12th.
h Same temperature on the 29th.
i Observations taken at 7 a. m , 1 p m., and 9 p. m. No observations from the 27th to the 31st, said to be the coldest days.
j Same temperature on the 5th.
k Observations taken at 7 a. m , 1 p m., and 5 p. m.
l Observations taken at sunrise, 2 p. m., and 10 p. m.
m Same temperature on the 21st.
n Observations taken at sunrise, 9 a. m , 3 p. m., and 9 p. m.
o Observations taken at 7 a m., 1 p. m., and 9 p. m ; imperfect.
p Observations taken at 7 a. m , noon, and 6 p m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1854.—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Gouverneur	13.06	22.06	18.68	10.60	....	53	12	47.33	....	—36	29	—14.33	7.1
Houseville	16.87	24.13	19.71	20.24	12	52	12	47.67	25	—23	28	—11.33	8.6
Lodi	21.90	29.58	23.87	25.12	12	58	12	47.67	28	— 4	28	3.00	8.1
Lowville (*a*)	17.4	26.4	21.9	21.90	12	50	....	.....	29	—24	....	.....	....
Madrid	11.09	19.47	13.94	14.83	4	47	4	44.43	28	1	22	4.70	1.6
New York city (*b*)	28.58	35.06	31.19	32.61	....	58	12	54.20	....	10	29	17.60	....
New York city, [D. & D. Ins.]	26.92	33.51	28.34	29.59	12	52	12	50.03	29	7	29	13.86	5.7
Oswego	23.52	29.97	25.30	26.26	....	50	12	49.33	....	— 5	28	6.00	6.8
Penn Yan	21.26	30.03	24.52	25.27	....	58	12	50.67	....	— 4	28	6.00	7.8
Sag Harbor	29.90	36.35	31.45	32.57	12	56	12	54.33	29	4	29	9.33	5.5
Troy	21.80	30.18	25.15	25.71	12	58	12	48.93	29	— 8.5	29	— 0.5	6.7
Wampsville	21.74	32.52	23.77	26.01	12	58	12	*c*49.00	25	—11	28	0.00	8.1
NEW JERSEY—													
Bloomfield	24.23	32.95	27.47	28.22	12	50	12	49.00	3	— 2	29	14.67	5.6
Burlington	26.84	35.00	29.23	30.36	12	57	12	55.33	3	4	29	*d*17.33	5.0
Lambertville	23.98	37.27	28.31	29.85	12	56	12	53.83	3	1.75	3	15.25	4.5
Newark	.....	.....	.....	29.41	....	54	12	45.12	....	3.7	29	15.50	....
PENNSYLVANIA—													
Bedford	24.29	32.33	28.65	28.42	16	50	16	42.67	3	6.5	23	9.16	4.9
Bustleton (*e*)	23.06	32.41	29.29	28.25	21	52	20	41.33	24	6	24	14.00	5.4
Byberry	26.01	34.32	28.53	29.62	12	52	12	49.67	3	— 2	3	15.00	5.5
Ceres	21.23	32.16	24.16	25.85	5	*f*52	4	47.00	28	— 4	23	3.67	7.2
Gettysburg	23.45	33.94	26.35	27.91	12	53	12	47.33	3	4	23	12.67	5.0
Harrisburg	27.90	35.00	30.75	31.22	12	56	12	50.33	3	12	23	*g*20.00	5.8
Lima	26.78	34.47	28.34	29.86	12	56	12	51.90	3	— 1.3	28	18.10	5.9
Morrisville	24.37	35.55	27.52	29.15	6	58	12	51.67	3	2	3	16.33	4.6
Moss Grove	19.72	28.60	21.07	23.13	20	56	20	50.67	23	— 2	23	0.67	6.2
Norristown	28.62	37.04	29.67	31.78	16	63	12	55.00	3	10	23	17.33	3.2
Paradise	.....	.....	.....	29.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	30.05	36.00	32.68	32.91	12	58	16	45.33	3	15	28	21.83	6.4
Pittsburg, [M. H.] (*h*)	27.00	35.45	30.29	29.74	20	64	20	48.25	23	4	23	9.00	....
Pittsburg, [O. S.]	23.97	30.19	26.29	26.82	20	57	20	50.00	23	— 2	23	4.00	....
Pocopson	.....	.....	.....	31.63	....	57	12	56.00	....	— 1	3	13.00	....
Sugar Grove	20.58	26.80	19.67	22.35	20	52	12	42.00	23	— 1	23	— 0.67	7.2
West Haverford	29.22	37.87	33.56	33.55	12	60	12	59.00	29	14	22	20.00	5.3
Youngsville	20.90	27.57	20.97	23.15	12	50	12	44.00	25	0	23	1.67	7.5
MARYLAND—													
Frederick	27.18	39.06	30.72	32.32	16	56	12	49.60	3	10	23	19.33	5.8
Schellman Hall	25.74	37.58	30.52	31.28	16	66	12	55.33	3	7	23	17.33	5.7
DISTRICT OF COLUMBIA—													
Washington (*i*)	31.10	36.61	35.60	34.44	5	77	5	53.75	3	12	2	18.33	5.6
VIRGINIA—													
Alexandria	31.40	40.12	35.70	35.74	16	64	12	57.23	3	*j*12	2	21.83	5.2
Ashland	31.93	43.68	37.03	37.55	20	72	20	59.33	24	9	23	14.33	5.8
Crichston's Store (*k*)	38.79	46.26	46.36	43.80	16	69	6	58.00	9	19	23	?	5.1
Huntersville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.0
Lewisburg	27.19	41.06	31.42	33.22	16	68	20	58.67	3	*j*10	23	17.33	5.4
Portsmouth	38.65	50.39	41.23	43.42	16	72	16	63.00	9	11	9	24.00	3.8
Winchester	28.61	40.13	32.23	33.66	16	66	16	51.33	24	12	28	20.67	4.5
NORTH CAROLINA—													
Chapel Hill	35.19	47.29	39.61	40.70	16	68	16	58.33	24	16	9	26.00	1.3
Thornbury	35.73	48.27	40.15	41.38	16	70	16	59.86	9	7	9	21.60	5.4
SOUTH CAROLINA—													
Camden	39.32	54.31	45.31	46.31	17	75	17	65.16	24	23	9	32.67	5.7
St. John's	44.20	55.56	48.48	49.41	....	77	....	.....	....	27	....	.....	....
GEORGIA—													
Culloden	43.94	54.47	49.32	49.24	17	76	17	70.67	22	23	22	32.67	5.6
Savannah	47.17	58.68	51.96	52.60	18	77	18	69.90	9	31	9	39.13	5.1

a Observations taken at 7 a. m., 1½ p. m., and 9 p. m.
b Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon 34.52; mean at sunset 33.71.
c Same temperature on the 4th.
d Same temperature on the 3d.
e For the last seventeen days of the month only.
f Same temperature on the 12th.
g Same temperature on the 29th.
h Observations taken at sunrise, 9 a. m., 3 and 9 p. m. Mean at sunrise 26.23.
i Observations very imperfect.
j Same temperature on the 24th.
k Observations taken at 9 a. m., 1 p. m., and 5 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Sparta	40. 60	54. 58	43. 79	46. 32	17	79	17	70. 33	22	20	22	30. 00	5. 8
The Rock (*a*)	45. 61	-------	-------	-------	----	68	----	-------	----	22	----	-------	5. 4
Whitemarsh Island	46. 04	58. 93	51. 32	52. 10	19	75	19	63. 33	1	*b*30	9	37. 67	4. 8
FLORIDA—													
Cedar Keys	52. 20	63. 87	59. 84	58. 64	16	74	20	69. 33	1	37	2	46. 67	4. 4
Jacksonville	52. 11	64. 89	55. 45	57. 48	15	*c*76	20	69. 67	3	*d*34	3	42. 67	4. 7
Key West	68. 03	73. 80	-------	70. 91	*e*21	80	21	76. 50	2	56	2	57. 50	5. 8
Knox Hill	48. 35	61. 30	53. 81	54. 49	18	75	18	*f*71. 00	9	26	8	35. 67	5. 8
Warrington (*g*)	50. 10	59. 39	56. 32	55. 27	20	80	20	72. 00	9	26	9	37. 33	3. 7
ALABAMA—													
Greene Springs (*h*)	37. 38	40. 50	52. 58	43. 49	26	74	15	55 33	22	16	8	25. 00	4. 8
Tuscaloosa	37. 76	51. 66	44. 34	44. 59	20	74	16	66. 83	22	17	8	25. 00	5. 0
Weewokaville (*i*)	38. 48	49. 48	44. 67	44. 21	20	72	20	67. 67	9	20	8	28. 67	3. 8
MISSISSIPPI—													
Garlandsville	40. 74	56. 73	48. 14	48. 54	16	*j*78	16	72. 67	8	*k*25	8	26. 67	6. 8
Jackson	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6. 4
LOUISIANA—													
New Orleans	50. 62	59. 03	53. 03	54. 03	25	92	20	72. 00	----	20	8	35. 33	6. 0
TEXAS—													
Austin	40. 30	56. 64	45. 42	47. 45	20	80	15	69. 67	21	*l*18	6	23. 33	5. 4
New Wied	41. 74	58. 00	45. 42	48. 39	20	79	4	65. 00	21	19	6	22. 67	5. 1
TENNESSEE—													
Glenwood	32. 23	42. 94	37. 02	44. 06	20	69	20	56. 60	23	5	21	13. 93	5. 8
Knoxville	31. 41	41. 60	36. 31	36. 44	20	68	20	65. 00	9	8	23	17. 58	----
Lebanon	32. 23	44. 52	37. 65	38. 13	20	69	16	58. 80	23	6	8	15. 30	6. 3
Memphis	32. 45	43. 90	38. 02	38. 12	20	68	4	55. 67	23	12	21	18. 33	2. 0
KENTUCKY—													
Ballardsville	28. 10	36. 03	31. 13	31. 75	20	68	20	54. 00	23	— 5	23	4. 33	6. 1
Danville	34. 28	44. 48	38. 52	39. 09	20	72	5	56. 33	23	5	23	12. 33	4. 8
Millersburg	28. 23	36 13	32. 24	32. 20	20	67	5	48. 67	23	— 2	23	7. 67	6. 4
Springdale	16. 39	27. 77	24. 10	22. 75	20	65	12	40. 67	----	—12	29	— 1. 33	6. 1
OHIO—													
College Hill	27. 33	34. 15	30. 29	30. 59	5	57	5	50. 10	23	— 6	21	9. 00	5. 5
Germantown	24. 19	33. 08	26. 58	27. 95	20	56	5	49. 62	23	— 7. 6	23	2. 00	6. 6
Granville	26. 19	33. 19	30. 03	29. 80	20	61	20	54. 33	23	— 3	21	11. 00	6. 9
Hillsborough	26. 40	34. 19	29. 74	30. 11	20	65	20	53. 33	23	— 5	23	4. 00	5. 2
Jackson	26. 19	37. 84	30. 45	31. 49	20	69	20	60. 00	23	3	23	9. 33	7. 0
Keene	23. 38	32. 08	25. 54	27. 00	5	53	5	47. 33	23	— 8	23	1. 33	5. 3
Marietta	25. 84	35. 68	29. 48	30. 33	20	63	20	54. 67	23	5	23	9. 00	5. 8
Mount Vernon	23. 45	35. 68	29. 19	29. 44	20	65	20	51. 00	23	— 6	23	2. 67	6. 1
Oberlin	22. 50	32. 09	26. 29	26. 96	20	55	4	48. 67	23	— 4	23	3. 24	4. 5
Urbana (*m*)	25. 15	34. 06	-------	29. 60	----	59	----	-------	----	— 4	----	-------	6. 0
Zanesville	30. 30	36. 88	35. 09	34. 07	20	61	20	53. 00	23	3. 5	23	9. 50	6. 5
MICHIGAN—													
Ann Arbor, [Woodruff]	17. 53	25. 06	21. 60	21. 40	4	46	4	43. 33	23	— 7	21	0. 00	7. 1
Battle Creek (*n*)	16. 65	29. 13	21. 19	22. 32	4	50	4	44. 67	23	—11	21	— 1. 00	6. 7
Brooklyn (*n*)	16. 30	24. 09	18. 88	19. 76	31	44	31	40. 00	23	—10	21	— 3. 00	6. 0
Detroit (*o*)	20. 65	27. 26	24. 72	24. 21	4	48	4	45. 00	23	0	23	5. 00	7. 7
Flint	15. 6	26. 7	20. 7	21. 00	---	48	4	43. 67	----	—12	----	-------	----
Monroe, [Whelpley]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6. 0
St. James	14. 74	18. 39	16. 07	16. 40	----	50	31	34. 00	----	3	21	3. 67	7. 3
INDIANA—													
Greencastle (*n*)	20. 8	29. 6	23.	24. 47	5	57	4	47. 50	23	—10	21	1. 33	6. 4
Milton	23. 35	31. 42	27. 29	27. 35	3	65	3	51. 16	23	— 8	23	3. 67	5. 4
New Harmony	27. 4	36. 1	30. 5	31. 33	5	63	4	53. 00*p*	23	0	23	9. 33	5. 9
Richmond (*q*)	22. 74	30. 94	26. 24	26. 64	5	54	5	49. 00	23	— 9	23	1. 00	3. 2

a Observations taken in the morning.
b Same temperature on the 3d and 9th.
c Same temperature on the 17th and 20th.
d Same temperature on the 9th.
e Same temperature on the 26th and 27th.
f Same temperature on the 17th.
g Observations taken at sunrise, noon, and sunset.
h Record incomplete.
i No observations on the first three days of the month.
j Same temperature on the 26th.
k Same temperature on the 9th and 24th.
l Same temperature on the 22d.
m Observations taken at sunrise and 2 p. m.
n Imperfect.
o Observations taken at 8 a. m., 2 p. m., and 9 p. m.
p Same temperature on the 3d.
q Observations taken at 7 a. m., 1 p. m., and 8 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	18.16	29.84	21.03	23.01	3	61	3	51.33	23	—12	23	0.03	5.6
Augusta	----	----	----	----	----	----	----	----	----	----	----	----	4.8
Batavia	13.23	22.90	17.77	17.97	4	a46	31	40.35	23	—14	21	— 3.00	4.1
Ottawa	14.32	26.74	18.96	20.01	31	54	31	43.33	23	—11	21	— 1.33	5.8
Upper Alton	19.48	30.19	24.00	24.56	31	60	3	50.67	----	----	----	----	8.1
MISSOURI—													
Hannibal	16.87	29.61	23.00	23.16	31	61	3	53.67	21	—12	21	0.67	5.1
Jefferson Barracks	24.18	32.56	28.50	28.41	----	62	4	53.67	---	— 3	21	5.33	----
St. Louis	24.20	32.60	28.50	28.43	31	62	4	53.67	21	— 3	21	5.33	4.9
WISCONSIN—													
Bellefontaine	4.74	17.58	10.03	10.78	31	53	31	42.33	22	—26	22	—17.00	5.9
Beloit	8.72	21.49	15.16	15.12	31	46	31	38.33	23	—19	22	— 9.00	4.7
Janesville	4.58	18.32	9.42	10.77	31	45	31	35.67	23	—24	21	—13.33	6.4
Madison	7.79	17.96	13.59	13.11	31	46	31	41.16	23	—19	22	—10.00	5.0
Plattsville	4.10	19.32	10.22	11.21	31	49	31	41.33	23	—24	22	—12.33	5.4
IOWA—													
Dubuque	10.58	20.40	15.07	15.35	3	48	31	41.50	23	—12	22	— 7.33	4.7
Fort Madison (*b*)	14.77	26.74	21.97	21.16	31	56	31	49.00	21	—12	21*c*	0.60	4.8
Keokuk	15.77	28.60	21.63	22.00	31	59	31	43.67	21	— 8*c*	22	— 2.67	5.7
Muscatine	10.39	21.54	16.71	16.21	31	55	31	45.00	21	—14	22	— 4.00	3.8
Poultney	3.69	17.98	8.25	9.97	31	44	31	36.40	6	--24	22	—12.40	5.5
Quasqueton	5.29	18.93	13.20	12.47	31	48	31	38.80	23	—22	22	—10.33	5.1
St. Mary's	7.39	28.77	14.87	17.01	31	68	31	47.67	21	—22	20	— 9.33	2.3
MINNESOTA—													
Lac qui Parle	0.48	11.77	4.06	5.12	31	50	31	40.33	21	—26	22	—18.00	3.6
St. Anthony's Falls	-------	-------	-------	5.09	31	52	----	-------	22	—30	----	----------	3.0
Red Lake	------	-------	-------	-------	----	----	----	-------	----	-------	----	----------	2.3
St. Joseph's	—9.58	6.00	—5.74	—3.11	31	58	30	37.00	22	—33*d*	22	—25.67	4.7
NEBRASKA—													
Fort Pierre (*e*)	6.58	16.90	15.19	12.89	31	64	31	52.67	20	—20	20	17.00	----
Fort Union (*f*)	2.35	11.77	9.52	7.88	31	49	8	42.00	20	—32	20	—20.67	----
CALIFORNIA—													
Sacramento, [Logan]	-------	-------	------	43.00	----	59	----	-------	----	19	----	----------	----
San Francisco (*g*)	42.26	54.23	45.26	47.25	----	59	----	-------	----	— 4	----	----------	----
Stockton (*h*)	33.29	58.29	40.13	43.90	----	76	31	57.67	----	21	21	28.67	----
MEXICO—													
Mirador (*i*)	-------	-------	-------	61.99	----	------	----	70.61	----	-------	----	51.12	----
SOUTH AMERICA—													
Assumption, Paraguay (*j*)	79.58	84.58	79.81	82.35	1	93	3	91.25	14	68	----	----------	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*i*)	-------	-------	-------	45.22	----	56.4	----	-------	----	30.5	----	----------	----

a Same temperature on the 31st.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Same temperature on the 22d.
d Same temperature on the 24th.
e Observations taken at 7 a. m., noon, and 5 p. m.
f Observations taken at 6 a. m., noon, and 5 p. m.
g Observations taken at sunrise and 2 p. m.
h Observations taken at 7 a. m. and 2 and 8 p. m.
i Hours of observation not given.
j Observations taken at 8 a. m., 12 m., 4 p. m., and 9 p.m. Mean at 4 p. m., 85.42.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NOVA SCOTIA—													
Albion Mines	12.25	19.90	13.54	15.23	9	47	9	39.33	5	—20	5	—12.00	6.3
Halifax (*a*)	16.90	23.20	20.90	20.33	9	44	----	-------	8	— 6	----	----------	----
CANADA EAST—													
St. Martin's	0.86	18.92	9.78	9.85	1	43	1	36.10	4	—26	5	—12.00	3.9
CANADA WEST—													
Hamilton (*b*)	24.57	-------	27.39	25.98	13	45	13	43.50	3	6	3	10.00	----
MAINE—													
Carmel	2.62	17.50	9.50	9.87	26	40	14	30.25	4	—30	4	—12.83	4.4
Fryeburg	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4.6
Oldtown	3.68	17.39	11.36	10.81	1	40	1	33.33	5	—28	5	—11.00	2.5
Perry	14.82	21.70	17.43	17.98	9	45	9	39.67	5	— 7	4	— 1.00	5.9
Steuben	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	7.2
Windham	12.40	24.68	15.25	17.44	1	46	1	40.67	5	—20	4	— 3.00	4.2
NEW HAMPSHIRE—													
Concord	13.14	24.04	18.50	18.56	1	44	1	38.60	5	—20	5	— 2.70	4.7
Hanover	9.52	21.38	15.57	15.49	1	42	1	39.75	8	—24	4	— 8.27	5.8
Exeter	14.14	26.25	18.57	19.65	1	44	1	36.67	5	—16	4	0.00	5.1
Londonderry	16.25	26.50	20.25	21.00	1	44	1	39.00	5	—13	4	0.00	5.2
Manchester	14.21	29.82	23.39	22.47	1	48	1	40.33	5	—18	5	1.67	3.7
Salmon Falls	14.79	26.95	20.72	20.82	1	47	1	37.00	5	—16	4	0.33	5.3
VERMONT—													
Brandon	12.74	23.06	17.97	17.92	22	40	1	36.00	4	—13*c*	4	— 5.67	5.4
Burlington	11.75	21.89	16.00	16.55	1	46	1	41.67	5	—12	4	— 3.67	3.5
Castleton	14.19	25.04	17.85	19.03	15	42	1	40.33	5	—10	6	3.33	5.0
Craftsbury (*d*)	4.41	17.30	11.90	11.20	1	38	1	36.00	4	—21*c*	4	—11.33	5.1
St. Johnsbury	4.37	16.80	13.20	11.46	1	44	1	38.33	5	—27	4	—14.50	4.4
MASSACHUSETTS—													
Amherst	17.08	26.73	22.10	21.97	2	45	1	38.67	4	— 3	4	4.63	5.1
Barnstable	24.54	32.00	27.25	27.93	2	57	1	44.67	5	2	4	11.00	5.8
Mendon	18.50	27.15	21.89	22.51	8	46	1	38.67	7	— 7	4	1.50	5.3
Nantucket	29.50	33.16	29.26	30.67	2	49	15	43.50	5	12	4	15.27	5.3
New Bedford	22.96	30.98	26.43	26.79	1	49	1	42.50	7	0.5	4	7.00	6.1
Newburyport	18.96	27.39	23.12	23.16	2	46	1	39.73	7	— 4	4	6.16	7.6
North Attleboro'	19.82	29.57	24.00	24.46	2	47	1	39.00	4	— 8	4	1.50	5.1
Princeton	16.39	21.52	19.28	19.06	26	44	27	38.00	4	0.7	4	3.73	5.0
Richmond	17.00	27.75	21.46	22.07	1	*e*46	1	38.67	4	— 2	4	6.00	6.0
Southwick	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.5
Springfield	16.21	31.04	21.00	22.75	2	50	1	38.67	4	— 5	4	6.00	5.1
Worcester	19.21	27.50	23.46	23.39	1	*e*46	1	40.00	7	— 3	4	6.00	5.0
RHODE ISLAND—													
North Scituate	17.93	27.61	22.29	22.61	2	46	1	39.33	7	—19	4	3.33	6.0
Providence (*f*)	21.4	30.4	24.9	25.6	1	49	1	41.00	5	*g*1	4	7.33	5.5
CONNECTICUT—													
New London	23.82	34.50	27.75	28.69	2	56	2	42.67	7	3	4	12.00	5.5
Pomfret	19.50	27.93	23.11	23.51	1	*h*46	1	37.00	5	1	4	6.33	5.0
Salisbury (*i*)	21.36	27.93	23.68	24.32	14	48	1	38.25	5	0	4	9.25	----
Saybrook	24.64	31.36	27.46	27.82	8	45	1	39.33	4	9	4	12.00	5.2
West Cornwall	18.66	26.25	22.32	22.41	1	47	1	39.67	3	*c*4	3	6.67	5.3
NEW YORK—													
Baldwinsville	18.14	25.82	21.75	21.90	1	40	1	37.67	6	2	4	8.67	7.4
Beverly	22.43	29.57	26.79	26.26	1	46	1	40.00	5	8	3	11.33	5.9
Buffalo, [Salisbury] (*d*)	21.98	30.00	24.65	25.54	13	44	13	41.34	4	1	4	8.34	7.6
Canton	10.00	21.79	14.36	15.38	13	40	1	36.67	4	—13	4	— 7.00	6.0
Chatham	17.50	27.07	21.79	22.12	1	48	1	40.67	4	— 4	4	2.00	5.6
Falconer	19.84	31.36	22.50	27.90	1	51	13	41.33	3	1.5	23	6.68	5.2
Fishkill (*j*)	22.60	34.00	30.25	28.95	----	56	----	-------	----	0	----	---------	----

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Same temperature on the 5th.
d Observations taken at 1 p. m. instead of 2.
e Same temperature on the 2d.
f Observations taken at sunrise, 1 p. m., and 10 p. m.
g Same temperature on the 7th.
h Same temperature on the 26th.
i Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 19.75.
j Observations taken at 7 a. m., noon, and 6 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1851—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Gouverneur	10.95	20.75	16.46	16.05	8	44	1	37.33	4	—22	4	— 8.00	7.0
Lodi	18.96	28.29	21.93	23.06	1	52	1	43.34	23	2	23	5.67	7.1
Lowville (*a*)	9.8	24.6	17.8	17.40	1	49	----	-------	4	—10.5	----	-------	----
Madrid	6.56	20.7	13.68	13.65	1	37	1	36.40	25	—19	4	— 7.80	1.6
New York city	27.36	36.46	30.82	31.55	----	52	1	47.40	----	15	23	19.20	----
New York city, [D. & D. Inst.]	25.62	35.03	28.70	29.78	2	51	2	42.00	4	14	4	16.70	5.4
Oswego	19.80	28.52	22.56	23.63	1	42	1	40.00	4	6	23	10.67	6.1
Penn Yan	18.68	29.93	25.00	24.54	----	52	1	40.00	----	5	23	9.33	7.3
Sag Harbor	27.46	34.93	30.61	31.00	2	56	2	45.67	5	4	6	15.33	5.5
Troy	19.36	27.82	23.90	23.69	1	45	1	39.83	5	— 3	5	6.93	6.7
Wampsville	18.25	28.57	19.85	22.22	1	46	1	40.00	3	— 4	3	2.67	7.7
NEW JERSEY—													
Bloomfield	25.82	35.15	28.82	29.93	19	58	1	45.00	24	10	23	16.00	5.2
Burlington	26.86	38.61	31.29	32.25	2	*b*58	14	46.00	7	14	3	20.00	7.1
Lambertville	25.57	40.16	31.55	32.43	2	66½	2	46.83	5	11	23	20.17	4.0
Newark (*c*)	-------	-------	-------	30.77	----	56	2	45.62	----	11	6	18.75	----
PENNSYLVANIA—													
Bedford	26.29	36.58	31.04	31.30	14	59	1	51.33	28	8	23	14.00	5.2
Byberry	26.68	37.13	30.71	31.51	2	56	2	43.67	5	13	4	18.00	6.0
Ceres	20.89	33.75	24.04	26.23	1	55	1	40.33	3	1	23	8.33	6.3
Gettysburg	25.54	39.12	30.25	31.64	2	61	14	48.67	24	10	23	17.33	4.6
Harrisburg	29.07	38.11	33.44	33.54	1	56	1	47.00	5	18	23	24.00	5.1
Lima	26.50	38.10	30.78	31.74	2	62	14	50.00	24	11	4	18.40	4.8
Morrisville	25.89	37.70	29.96	31.18	2	59	2	44.00	5	12	4	19.67	3.7
Moss Grove	20.96	34.29	23.38	26.21	1	54	1	46.67	3	— 3	3	9.00	6.1
Norristown	27.62	37.73	31.54	32.30	2	64	2	49.00	22	15	4	19.33	5.0
Paradise	-------	-------	-------	22.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	30.07	39.70	34.75	34.84	2	61	14	49.67	5	18	4	22.70	5.1
Pittsburg, [M. H.] *d*	31.07	41.18	34.64	34.15	1	65	1	52.00	3	10	3	16.25	----
Pittsburg, [O. S.]	27.79	35.25	30.50	31.18	12	*b*54	13	49.33	3	5	3	10.67	----
Pocopson (*e*)	26.64	41.04	-------	33.84	2	65	14	55.25	18	12	23	20.50	4.0
Sugar Grove (*f*)	20.23	28.86	23.19	24.09	14	51	13	44.00	3	0	3	8.50	6.6
West Haverford	29.7	42.7	-------	36.20	2	67	2	57.00	5	*g*16	23	19.50	4.6
Youngsville	20.70	31.05	24.50	25.42	1	51	14	41.33	3	— 1	23	9.00	6.9
MARYLAND—													
Frederick	29.66	41.33	34.63	35.21	14	64	14	55.60	5	17	23	21.26	4.7
Schellman Hall	29.00	43.61	33.71	35.44	14	70	14	60.00	23	15	23	18.67	4.5
DISTRICT OF COLUMBIA—													
Washington	32.29	43.16	36.18	37.21	14	64	14	57.16	24	19	23	21.67	4.4
VIRGINIA—													
Alexandria	32.02	44.29	37.59	37.97	11	67	14	59.67	24	16	23	22.17	4.7
Ashland	37.36	51.04	44.00	44.13	1	66	13	*h*60.67	3	20	3	28.00	4.4
Crichton's Store (*i*)	40.58	48.86	-------	44.72	2	65	26	65.67	7	29	3	28.50	4.2
Huntersville	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4.7
Lewisburg	32.57	46.00	36.68	38.42	2	64	14	54.33	3	*g*20	23	25.67	5.2
Lynchburg	37.71	48.03	43.07	42.94	14	65	15	57.33	24	26	4	36.67	----
New Creek Depot (*j*)	36.06	43.36	37.54	38.99	14	58	14	52.70	18	24	25	30.00	5.4
Portsmouth	27.35	51.14	41.57	43.32	14	71	14	62.00	4	18	4	27.67	5.7
Winchester	29.34	43.46	36.00	36.27	14	68	14	58.00	24	14	23	20.00	5.3
NORTH CAROLINA—													
Chapel Hill	38.57	52.64	44.71	45.31	1	*k*68	26	64.00	24	23	3	31.33	2.3
Thornbury	38.05	52.72	42.91	44.56	14	69	26	64.03	4	23	3	29.50	4.7
SOUTH CAROLINA—													
Camden	41.77	58.45	49.29	49.84	26	71	26	66.76	4	23	4	34.30	4.8
St. John's (*l*)	46.65	61.50	48.27	52.14	----	75	15	67.33	----	30	----	-------	----
GEORGIA—													
Culloden	44.64	58.28	52.35	51.76	13	69	14	63.67	4	29	16	40.00	4.5

a Observations taken at 7 a. m., 1½ p. m., and 9 p. m.
b Same temperature on the 14th.
c Observations taken at 7 a. m. and 5 p. m.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 29.71.
e Observations taken at daybreak and 2 p. m.
f Imperfect.
g Same temperature on the 24th.
h Same temperature on the 12th.
i Observations taken at 9 a. m. and noon.
j No observations for the first nine days of the month.
k Same temperature on the 2d and 26th.
l Observations taken at sunrise, 2 p. m., and 9 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1854.—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Savannah	48.24	62.47	53.69	54.80	26	74	26	69.03	4	32	4	40.96	4.3
Sparta	40.07	58.53	45.85	48.15	13	73	13	63.00	4	21	4	32.67	4.7
The Rock (*a*)	47.00	------	------	------	----	(2	----	------	----	32	----	------	2.9
Whitmarsh Island	47.79	60.96	52.75	53.83	15	73	26	66.00	4	29	4	38.33	4.4
FLORIDA—													
Cedar Keys	56.46	65.00	60.71	60.72	7	*b* 72	15	69.00	4	41	17	48.00	4.1
Jacksonville	52.68	70.57	58.05	60.43	13	*c* 76	26	70.67	4	35	4	45.67	4.1
Key West	68.13	74.02	------	71.22	26	83	26	79.00	1	*d* 64	1	65.25	4.0
Knox Hill	48.29	64.50	55.21	56.00	14	*c* 73	14	68.33	4	32	16	44.33	5.6
Warrington (*e*)	57.07	62.18	60.86	60.04	15	76	15	74.33	17	40	16	43.67	6.7
ALABAMA—													
Weewokaville	40.07	54.08	47.46	47.20	1	66	14	61.33	18	26	3	32.67	4.9
MISSISSIPPI—													
Garlandsville	42.57	61.24	51.71	51.84	14	76	14	70.33	4	27	3	37.00	5.1
Jackson	------	------	------	------	----	------	----	------	----	------	----	------	4.6
Lake Washington	43.43	59.01	48.11	50.18	13	74	13	68.33	4	29	15	35.76	5.3
LOUISIANA—													
New Orleans	50.40	57.13	54.96	54.16	14	75	14	68.00	16	31	16	42.67	5.4
TEXAS—													
Austin	46.21	64.39	52.82	54.47	12	79	12	68.33	4	24	15	35.33	5.6
Huntsville (*f*)	55.48	62.94	60.06	59.49	28	75	28	69.00	3	41	3	43.67	1.8
New Wied	47.57	64.50	52.20	54.86	6	*g* 76	13	68.67	4	28	3	40.00	5.0
TENNESSEE—													
Glenwood	39.08	50.85	42.80	44.24	14	70	13	63.17	3	20	3	27.20	5.8
Knoxville	38.24	46.31	37.68	40.74	14	63	14	61.00	4	17	3	25.83	5.4
Lebanon	36.98	51.83	43.08	43.96	14	67	13	63.07	17	21	3	27.70	6.1
Memphis	41.14	52.50	47.39	37.01	14	68	13	63.66	3	26	3	32.67	4.8
KENTUCKY—													
Ballardsville	35.43	45.14	38.89	39.82	14	64	13	58.33	3	18	3	24.67	5.4
Danville	38.64	52.68	43.39	44.90	1	*h* 68	13	62.00	3	20	3	26.67	4.7
Millersburg	33.00	47.12	38.38	39.50	13	66	14	57.33	3	17	3	23.33	6.1
Springdale	33.32	47.71	42.68	41.24	14	68	14	59.67	3	16	3	25.67	5.3
OHIO—													
College Hill	33.67	43.69	37.17	38.18	14	64	13	56.00	3	14	3	23.40	4.9
Geneva Hall (*i*)	30.32	41.16	33.58	35.02	25	54	13	48.00	23	12	23	22.67	5.7
Germantown	30.52	41.65	33.28	35.15	----	58	13	53.67	----	12	3	21.58	6.3
Granville	31.36	40.44	36.81	36.20	18	63	13	53.00	3	8	3	20.33	5.1
Hillsborough	31.61	43.21	36.28	37.03	14	59	13	55.33	3	10	3	20.83	5.0
Huron (*j*)	24.43	36.96	30.11	30.50	1	62	13	55.33	4	— 6	4	10.00	----
Jackson	32.18	46.75	36.50	38.48	1	61	13	56.67	4	16	23	25.00	6.5
Marietta	30.86	42.68	36.64	36.73	1	58	14	54.33	3	15	23	*k* 21.33	4.5
Mount Vernon	28.39	42.07	33.88	34.78	1	66	1	53.00	3	3	3	13.67	5.4
Oberlin	25.07	35.29	27.18	29.18	1	58	1	48.67	3	— 1	3	12.00	4.2
Urbana (*l*)	30.46	40.78	------	35.62	----	61	----	------	----	12	----	------	----
MICHIGAN—													
Ann Arbor, [Woodruff]	20.61	32.04	24.93	25.86	13	48	13	42.67	4	— 8	4	4.33	5.4
Battle Creek	20.64	33.57	24.11	26.11	12	50	12	40.67	4	— 4	4	8.67	5.2
Brooklyn	22.91	30.23	24.44	25.86	12	*m* 49	12	42.67	4	—17	4	— 5.00	5.0
Detroit (*n*)	23.33	31.68	26.21	27.09	1	49	1	44.33	4	4	4	6.60	6.5
Flint	16.6	30.8	25.8	24.4	----	47	----	------	----	—15	----	------	----
Monroe, [Whelpley]	------	------	------	------	----	------	----	------	----	------	----	------	4.9
St. James	12.53	21.51	15.10	16.38	21	42	21	31.33	4	—11	10	5.50	5.8
Saugatuck	25.00	33.18	28.04	28.74	----	54	----	------	----	2	----	------	----
INDIANA—													
Greencastle (*o*)	29.54	39.81	35.61	34.99	1	*p* 58	12	55.33	17	13	16	21.00	5.0
Kendallville	26.55	40.57	27.25	31.46	12	62	12	50.00	2	6	3	15.00	3.2

a Observations taken in the morning.
b Same temperature on the 15th and 25th.
c Same temperature on the 15th.
d Same temperature on the 2d, 4th, 5th, 11th, and 12th.
e Observations taken at sunrise, noon, and sunset.
f Observations mostly omitted from the 10th to the 21st, inclusive.
g Same temperature on the 22d.
h Same temperature on the 14th.
i No observation for the first nine days of the month.
j Observations taken at 7 a. m., noon, and 5 p. m.
k Same temperature on the 3d.
l Observations taken at sunrise and 2 p. m.
m Same temperature on the 13th and 24th.
n Observations taken at 8 a. m., 2 p. m., and 9 p. m.
o No observation after the 23d.
p Same temperature on the 12th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1854.—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—Continued.	°	°	°	°		°		°		°		°	
Milton	29.57	39.61	33.18	34.12	1	58	1	50.00	3	14	3	21.67	5.1
New Harmony	35.64	47.05	38.95	40.55	12	*a* 65	12	60.67	3	18	3	26.00	5.3
Richmond (*b*)	29.64	39.92	32.70	34.09	1	*c* 58	13	53.33	3	11	3	20.00	6.2
ILLINOIS—													
Athens	29.46	43.43	31.00	34.63	1	67	12	56.33	17	2	16	17.67	3.9
Augusta	27.68	40.61	31.82	33.37	1	69	12	55.33	17	— 2	16	10.33	4.8
Batavia	25.53	34.78	27.39	29.23	25	50	12	46.67	17	— 1	16	11.00	2.6
Ottawa	26.70	39.14	28.53	31.46	1	60	12	53.33	17	— 1	16	12.33	4.4
Upper Alton	30.70	44.14	35.59	36.81	1	*d* 62	12	53.33	16	*e* 12	16	23.33	8.9
MISSOURI—													
Hannibal	29.38	47.19	35.34	37.30	11	*c* 68	12	59.33	17	4	16	14.00	5.2
St. Louis	34.07	44.52	39.66	39.42	1	68	12	59.33	16	16	16	25.25	4.6
WISCONSIN—													
Bellefontaine	16.46	30.50	22.35	23.10	21	52	12	42.33	17	—17	3	1.33	5.0
Beloit	21.61	32.07	25.18	26.29	12	50	12	44.33	17	—12	16	5.33	4.3
Janesville	16.00	30.53	20.16	22.23	21	48	12	42.67	17	—20	16	1.33	5.0
Madison	19.63	29.45	23.86	24.31	12	47	12	43.67	17	— 5	16	6.67	3.9
Milwaukie (*f*)	24.16	32.61	27.54	28.10	21	49	21	38.67	17	— 2	16	12.50	4.3
Plattsville	17.36	33.32	23.32	24.67	1	55	12	42.33	17	—12	16	— 0.67	4.2
IOWA—													
Dubuque	21.46	34.78	27.29	27.84	24	52	12	42.00	17	—15	15	12.00	3.3
Fort Madison (*g*)	26.39	40.39	32.14	32.97	12	68	12	55.00	17	— 2	16	8 00	4.1
Keokuk	30.11	42.39	30.18	34.23	12	68	12	55.33	17	0	66	12.50	4.8
Muscatine	22.50	35.75	26.92	28.39	12	60	12	48.67	17	—13	16	0.00	4.3
Poultney	15.75	31.51	21.88	23.05	12	49	12	39.76	17	—18	15	7.50	4.1
Quasqueton	15.77	32.76	24.41	24.31	12	52	12	41.80	17	—22	16	— 1.50	4.9
St. Mary's	23.10	44.25	29.89	32.41	11	60	11	46.00	17	3	15	10.67	3.7
MINNESOTA—													
Lac qui Parle	8.18	25.64	15.43	16.42	28	46	28	36.00	16	—17	3	— 3.00	3.4
St. Anthony's Falls	.....	.....	.....	19.00	28	47	....	.....	3	—18	....	.....	3.7
Red Lake	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.0
St. Joseph's	—1.50	19.00	3.39	6.96	28	48	27	27.67	3	—28	3	—14.00*h*	4.1
NEBRASKA—													
Fort Pierre (*i*)	21.71	35.68	35.74	31.06	11	*j* 56	23	46.00	15	— 2	15	6.67	....
Fort Union (*i*)	13.04	30.00	24.07	22.37	18	56	8	31.00	14	—14*h*	13	—5.33	....
CALIFORNIA—													
Sacramento [Logan]	.....	.....	.....	51.00	....	62	....	.....	....	38	....	.....	....
San Francisco (*k*)	47.93	59.21	49.07	51.41	....	.....	....	.....	....	.....	....	.....	....
Stockton (*l*)	42.39	59.57	48.54	50.17	....	72	6	56.00	....	30	13	42.67	....
MEXICO—													
Mirador (*m*)	.....	.....	.....	63.12	....	.....	....	72.50	....	.....	....	56.75	....
SOUTH AMERICA—													
Assumption, Paraguay (*n*)	80.03	86.57	80.21	81.73	9	96	9	89.25	21	67	21	71.75	....
EASTERN CONTINENT—													
Mosul, Mesopotamia (*m*)	.....	.....	.....	48.87	....	58.6	....	.....	....	40	....	.....	....

a Same temperature on the 13th.
b Observations taken at 7 a. m., 1 p. m., and 8 p. m.
c Same temperature on the 12th.
d Same temperature on the 11th and 12th.
e Same temperature on the 17th.
f Observations from the 15th to the 28th, inclusive.
g Observations taken at 6 a. m., noon, and 7 p. m.
h Same temperature on the 15th.
i Observations taken at 7 a. m., noon, and 5 p. m.
j Same temperature on the 28th.
k Observations taken at sunrise, 9 a. m, noon, and 10 p. m. Mean at 9 a. m., 50.86.
l Observations taken at 8 a. m., 2 and 8 p. m.
m Hours of observation not given.
n Observations taken at 8 a. m., 12 m., 4 and 9 p. m. Mean at 4 p. m., 87.00.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NOVA SCOTIA—													
Albion Mines	21.74	30.45	23.09	25.09	13	43	13	37.67	21	2	21	7.00	6.7
Halifax (*a*)	24.20	32.40	28.80	28.47	9	46	----	-------	21	10	----	-------	----
CANADA EAST—													
St. Martin's	20.21	33.43	24.68	26.11	16	56	16	43.80	21	2.5	18	10.00	5.9
CANADA WEST—													
Hamilton (*b*)	35.32	-------	35.61	35.46	----	58	16	51.50	----	18	28	20.00	----
MAINE—													
Carmel (*c*)	22.90	33.92	24.17	27.00	13	59	13	43.33	21	6	20	*d* 12.75	5.7
Fryeburg	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.0
Oldtown	17.55	30.87	22.94	23.79	13	52	16	*e*38.00	22	— 4	20	9.67	2.8
Perry	24.42	35.00	28.42	29.28	15	*f*46	16	41.00	21	8	21	16.67	6.7
Steuben	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4.8
Windham	25.42	36.39	27.29	29.70	13	*g* 55	15	47.00	28	12	16	18.67	4.0
NEW HAMPSHIRE—													
Concord	23.84	35.58	29.06	29.49	16	56	16	47.00	30	4	28	18.00	4.7
Hanover	21.66	33.19	26.79	27.21	16	57	16	47.33	30	— 4	21	11.67	6.8
Exeter	25.70	35.50	28.00	29.73	16	60	16	49.33	22	10	28	18.33	3.9
Londonderry	25.68	32.61	29.20	29.16	16	66	16	53.00	21	11	28	15.67	5.5
Manchester	25.58	39.32	32.93	32.61	16	63	16	52.33	21	*h* 9	21	19.67	5.7
Salmon Falls	26.80	36.50	29.90	31.07	16	58	16	49.17	30	11	20	17.67	5.2
VERMONT—													
Brandon	24.45	34.63	28.28	29.12	16	55	16	48.00	21	4	28	14.33	6.4
Burlington	25.58	36.74	29.26	30.53	15	56	16	47.00	30	9	18	14.00	3.9
Castleton	35.97	35.94	29.06	30.32	16	62	16	49.33	21	4	21	14.00	6.8
Craftsbury (*i*)	20.70	30.57	22.63	24.63	13	55	13	42.33	22	0	18	6.33	6.4
St. Johnsbury	19.40	31.32	25.87	25.53	9	55	14	46.67	21	—10 *j*	21	10.33	5.4
MASSACHUSETTS—													
Amherst	26.70	33.90	30.80	30.47	16	65	16	52.00	21	14	28	19.47	4.5
Mendon	26.10	36.10	30.10	30.77	16	65	16	53.67	----	8	28	17.67	4.1
Nantucket	34.64	40.97	35.59	37.07	16	53	16	49.67	21	21	21	25.83	5.2
New Bedford	29.55	40.76	31.85	34.05	16	65	16	54.67	21	14	28	31.33	6.4
Newburyport	28.44	37.31	31.12	32.29	16	67	16	57.17	22	16	28	19.07	5.0
North Attleboro'	28.06	39.22	31.02	32.77	16	70	16	55.70	----	14	28	19.57	4.7
Princeton (*k*)	23.10	31.00	24.70	26.27	12	43	12	36.67	21	7.5	29	11.90	3.5
Richmond	23.87	35.58	29.56	29.67	15	54	15	42 67	19	6	19	11.33	7.6
Southwick	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.6
Springfield	26.26	39.71	30.55	32.17	16	71	16	53.33	22	12	26	19.00	4.8
Worcester	28.18	37.65	31.19	32.34	16	67	16	54.00	28	15	20	18.67	4.2
RHODE ISLAND—													
North Scituate	28.90	37.40	31.70	32.67	16	67	16	54.00	22	12	28	17.67	5.1
Providence	28.1	40.1	31.1	33.1	16	68	16	53.7	21	13	28	20.0	4.4
CONNECTICUT—													
New London	31.45	41.65	34.35	35.82	16	62	16	54.00	21	16	19	26.00	4.6
Pomfret	26.90	37.30	30.19	31.46	16	65	16	52.00	21	12	28	18.33	4.7
Salisbury (*l*)	26.93	37.25	30.67	31.17	16	63	16	50.25	21	10	28	*m*17.25	----
Saybrook	30.10	38.68	32.26	32.59	16	51	16	46.33	21	18	28	22.00	4.7
West Cornwall	29.40	55.80	29.50	38.23	16	62	16	47.33	----	10	28	15.67	5.1
NEW YORK—													
Baldwinsville	27.71	35.39	30.74	31.28	13	56	15	48.33	30	11	28	*n* 17.67	7.1
Beaver Brook (*o*)	20.60	31.20	24.33	25.38	17	52	17	43.33	22	0	28	3.67	5.0
Beverly (*p*)	30.42	41.77	33.33	35.17	16	71	16	56.67	21	*q* 17	21	23.67	5.3
Buffalo, [Salisbury] (*r*)	26.22	37.35	31.55	31.71	15	53	15	50.00	28	14	----	-------	8.3
Canton	24.50	33.70	26.72	28.31	13	55	16	48.00	21	2	18	12.67	6.7
Chatham	26.06	37.23	28.93	30.74	16	66	16	52.00	21	6	18	*s* 16.00	6.5
Falconer	27.65	38.45	29.92	32.01	13	64	15	51.33	29	8	18	13.00	6.5

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Observations omitted from the 15th to the 19th, inclusive.
d Observations at 7 a. m. omitted.
e Same temperature on the 13th.
f Same temperature on the 16th.
g Same temperature on the 15th.
h Same temperature on the 22d.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 30th.
k Observations omitted on the 7th, 14th, 15th, 16th, and 17th.
l Observations taken at sunrise, 9 a. m., 3 and 9 p. m. Mean at 9 a. m., 29.83.
m Same temperature on the 21st.
n Same temperature on the 18th.
o Observations taken at 7 a. m., noon, and 7 p. m.
p Observations omitted at 2 p. m. of the 28th.
q Same temperature on the 28th.
r Observations very incomplete.
s Same temperature on the 21st and 28th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date	Mean temp.	
NEW YORK—Continued	°	°	°	°		°		°		°		°	
Fishkill (*a*)	32 29	43. 2	39. 77	38. 43	----	76	----	-------	----	20	----	-------	----
Gouverneur	23. 03	33. 55	26. 74	27. 77	16	54	16	45. 00	21	— 3	21	6. 33	7. 0
Leroy (*b*)	34. 60	44. 90	-------	39. 75	----	------	----	-------	----	------	----	-------	5. 2
Lodi	28. 45	37. 48	29. 71	31. 88	13	62	13	52. 67	19	*c* 10	28	13. 67	7. 2
Madrid	26. 43	33. 40	29. 63	29. 82	16	51	16	45. 10	18	8. 6	18	14. 13	2. 5
New York city (*d*)	33. 52	44. 42	37. 29	39. 92	----	72	1	64. 6	----	20	28	24. 80	----
New York city, [D. & D. Inst]	33. 75	41. 92	35. 73	37. 13	16	69	16	60. 73	28	21	28	23 86	5. 3
Oswego	30. 48	35. 00	31. 48	32. 65	8	*e* 50	16	45. 00	25	*f* 17	18	19. 33	5. 3
Penn Yan (*g*)	27. 55	39. 58	33. 61	33. 58	---	63	13	54. 67	----	8	28	15. 33	2. 4
Sag Harbor	31. 68	43. 39	34. 61	36. 56	16	68	16	57. 33	21	16	29	20. 67	4. 6
Troy	29. 10	39. 60	34. 10	34. 27	16	70	16	54. 80	21	14	28	20. 13	6. 3
Wampsville	27. 87	39. 00	29. 81	28. 84	16	63	16	51. 00	21	8	29	17. 00	8. 1
NEW JERSEY—													
Bloomfield	32. 16	44. 34	35. 94	37. 81	16	74	16	62. 67	21	*c* 19	28	20. 17	4. 4
Burlington	34. 00	46. 42	38. 77	39. 73	16	70	16	60. 00	21	*h* 20	28	23. 33	6. 4
Lumbertville	32. 46	47. 46	37. 72	39. 71	16	77	16	64. 33	29	20	28	24. 83	5. 3
PENNSYLVANIA—													
Bedford	33 30	46. 28	39. 22	39. 60	16	70	16	60. 00	29	14	28	21. 00	3. 8
Byberry	33. 63	46. 89	39. 03	39. 85	16	75	16	64. 00	29	19	28	24. 67	5. 4
Ceres	27. 67	39. 80	29. 83	32. 43	15	60	16	52. 00	27	*c* 10	28	14. 33	8. 4
Gettysburg	34. 42	49. 39	39. 45	41. 09	16	76	16	65. 33	29	16	28	24. 00	4. 4
Harrisburg	37. 06	48. 06	42. 55	42. 56	16	76	15	60. 67	29	24	28	28. 33	4. 6
Lima	33. 54	47. 30	39. 01	39. 95	16	73	16	63. 47	29	19	28	26. 10	4. 4
Morrisville	32. 50	47. 00	37. 50	39. 00	----	72	16	60. 67	----	20	28	25. 67	3. 6
Moss Grove	26. 53	41. 52	30. 81	32. 95	13	65	15	55. 00	29	— 4	28	8. 67	5. 3
Norristown	34. 95	47. 06	39. 39	40. 47	16	73	16	64. 00	29	21	28	24. 67	5. 1
Paradise	-------	-------	-------	30. 00	----	------	----	-------	----	-------	----	-------	----
Philadelphia	37. 87	48. 37	42. 93	43. 06	16	75	16	65. 33	21	23	28	28. 00	4. 9
Pittsburg, [M. H.] (*i*)	38. 03	49. 94	41. 87	41. 35	16	*j* 72	16	*k* 59. 25	29	16	28	22 25	----
Pittsburg, [O. S.]	35. 00	45. 00	38. 00	39. 33	14	*l* 65	16	56. 33	29	13	28	18. 00	----
Pocopson (*m*)	32. 82	49. 37	-------	41. 09	16	77	16	66. 00	21	18	28	26. 25	4. 9
Sugar Grove	27. 77	36. 80	29. 87	31. 48	13	62	16	54. 50	28	9	18	12. 00	6. 0
Warrior's Mark (*n*)	28. 90	42. 10	34. 66	35. 22	13	67	15	57. 77	28	17	28	20. 07	5. 0
West Haverford	35. 19	48. 96	-------	42. 07	16	75	16	66. 00	29	18	28	26. 50	3. 5
Youngsville	28. 00	37. 20	32. 30	32. 50	13	60	16	50. 00	27	0	18	13. 67	6. 5
MARYLAND—													
Frederick	36. 67	50. 39	36. 67	41. 24	10	*o* 74	16	65. 40	29	20	28	28. 50	4. 7
Schellman Hall	39. 74	51. 68	42. 77	44. 73	14	75	16	63. 33	29	25	28	29. 00	3. 9
DISTRICT OF COLUMBIA—													
Washington	40. 70	52. 20	46. 90	46. 60	10	76	16	67. 33	29	25	28	31. 00	4. 4
VIRGINIA—													
Alexandria	39. 74	52. 64	45. 92	46. 10	10	76	16	68. 17	29	23	28	*p* 31. 00	4. 2
Ashland	43. 48	58. 39	51. 13	51 00	15	76	15	66. 00	26	26	26	33. 67	4. 1
Crichton's Store (*q*)	47. 90	57. 25	63. 00	56. 05	10	81	10	-------	29	30	29	-------	4. 7
Huntersville	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	4. 7
Lewisburg	40. 45	55. 06	46. 06	47. 19	15	74	15	62. 67	26	25	26	30. 67	5. 6
Lynchburg	44. 16	57. 29	51. 81	51. 09	9	78	13	72. 00	18	*r* 31	25	37. 00	----
New Creek Depot (*s*)	36. 60	46. 00	40. 00	40. 87	13	68	8	58. 57	28	23	28	27. 73	5. 0
Portsmouth	45. 32	60. 13	48. 03	51. 16	10	83	9	72. 00	29	22	28	30. 67	5. 1
Winchester	38. 58	52. 06	42. 74	44. 46	10	75	16	64. 00	29	22	28	29. 00	4. 8
NORTH CAROLINA—													
Chapel Hill	47. 93	62. 29	54. 10	54. 77	16	88	10	73. 67	29	28	26	37. 33	2. 3
Thornbury	46. 20	62. 10	51. 70	53. 33	10	82	10	73. 93	26	31	29	37. 23	5. 3

a Observations taken at 7 a. m., noon, and 6 p. m.
b For six days only, early in the month.
c Same temperature on the 28th.
d Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 43.13; mean at sunset, 41.26.
e Same temperature on the 13th and 16th.
f Same temperature on the 30th.
g Observations taken at sunrise, 2 p. m., and sunset.
h Same temperature on the 28th and 29th.
i Observations taken at sunrise, 9 a. m., 3 p. m , and 9 p. m. Mean at 9 a. m , 35.55.
j Same temperature on the 17th.
k Same temperature on the 14th.
l Same temperature on the 15th and 16th.
m Observations taken at daybreak and 2 p. m.
n For the last 24 days of the month only.
o Same temperature on the 16th.
p Same temperature on the 29th.
q Observations taken at 8 a. m., noon, and 6 p. m.; the latter very incomplete.
r Same temperature on the 25th.
s Observations omitted on the 14th, 15th, 16th, and 29th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
SOUTH CAROLINA—	°	°	°	°		°		°		°		°	
Camden	57.10	69.50	57.20	61.27	16	86	16	78.90	27	31	26	44.77	5.2
St. John's (*a*)	52.52	68.58	51.78	58.63	----	84	16	?	----	27	27	45.00	----
GEORGIA—													
Culloden	56.48	72.58	64.32	64.46	17	84	17	77.00	26	32	26	45.33	4.1
Savannah	54.40	73.40	63.40	63.73	16	*b* 86	17	76.80	27	39	27	48.77	4.6
Sparta	52.30	72.20	57.52	60.67	17	90	16	79.00	27	32	27	45.33	5.8
The Rock (*c*)	58.96	------	------	------	----	72	----	------	----	48	----	------	5.9
Whitemarsh Island (*d*)	56.41	67.82	60.34	61.52	18	80	18	71.33	26	40	26	48.33	4.3
FLORIDA—													
Cedar Keys	65.03	73.00	69.19	69.07	21	79	22	73.67	27	48	27	58.67	3.1
Jacksonville	62.61	76.54	65.48	68.21	16	87	16	77.67	26	47	26	50.33	3.2
Key West	72.18	79.19	------	75.68	22	83	22	78.75	29	67	27	70.75	3.0
Knox Hill	57.80	72.69	64.00	64.83	14	*e* 83	16	73.67	27	43	27	54 00	5.9
Warrington (*f*)	60.32	70.81	66.03	65.72	18	82	18	75.67	28	46	26	53.33	3.2
ALABAMA—													
Greene Springs (*g*)	54.11	74.16	62.71	63.20	24	98 ?	17	77.67	27	32	27	49.92	4.5
MISSISSIPPI—													
Garlandsville (*h*)	56.93	74.82	62.04	64.60	17	90	17	78.33	12	39	26	51.00	5.3
Jackson	------	------	------	------	----	------	----	------	----	------	----	------	4.9
Lake Washington	56.00	70.98	59.60	62.19	17	87	17	76.97	26	41	26	48.33	5.0
LOUISIANA—													
New Orleans	60.30	71.00	64.00	65.10	17	80	9	74.00	27	44	26	52.66	4.2
TEXAS—													
Austin	60.19	74.16	61.87	65.41	15	*i* 86	30	76.33	11	34	10	48.00	6.6
Huntsville	66.71?	71.35?	64.12?	67.39?	17	88 ?	16	78.00?	25	56 ?	----	57.00?	5.0
New Wied	63.81	75.67	65.47	68.32	22	90	22	79.00	11	45	10	52.60	3.5
TENNESSEE—													
Glenwood	47.51	59.04	51.98	52.84	15	79	16	71.07	26	30	26	38.47	6.5
Knoxville	49.50	58.50	52.00	53.33	16	77	16	70.67	26	31	25	32.00	5.5
Lebanon	47.81	60.41	52.81	53.68	16	78	16	70.73	26	31	26	36.33	6.6
Memphis	53.50	61.50	56.25	57.08	17	82	16	75 00	11	*j* 40	19	43.00	2.3
KENTUCKY—													
Ballardsville	42.65	53.68	45.70	47.34	15	73	16	64.00	26	27	19	*k* 32.67	5.5
Danville	46.20	59.70	50.40	52.10	2	*e* 76	8	66.00	26	29	26	37.67	4.6
Millersburg	40.82	54.36	46.25	47.14	15	71	15	61.33	26	25	26?	?	5.2
Springdale	40.10	56.70	50.20	49.00	15	77	16	66.67	26	19	25	34.67	6.0
OHIO—													
College Hill	40.55	53.43	45.63	46.54	15	75	16	62.57	19	25	18	30.67	4.6
Gallipolis	44.40	53.20	50.81	49.47	16	68	16	64.33	26	31	26	35.50	----
Geneva Hall	39.55	50.39	39.23	43.06	14	70	14	62.00	24	24	29	32.00	4.8
Germantown	36.64	50.77	41.23	42.88	----	72	16	57.07	----	23	25	28.24	5.7
Granville	37.45	49.03	41.84	42.77	15	68	16	57.33	29	21	28	28.00	4.2
Hillsborough	38.81	51.40	43.55	44.59	15	73	16	60.83	19	22	28	28.33	3.1
Huron (*l*)	34.45	45.77	39.64	39.95	15	75	15	65.33	28	14	28	19.67	4.8
Jackson (*m*)	38.74	55.58	46.07	46.80	15	79	15	64.67	19	29	25	33.00	5.9
Marietta	37.10	51.90	42.70	43.90	14	69	31	59.33	29	29	28	27.33	4.9
Mount Vernon	34.45	50.67	41.61	42.24	15	70	14	56.33	29	15	27	*n* 28.33	4.4
Oberlin	35.31	45.21	40.35	40.29	15	67	15	59.00	25	19	25	24.50	4.5
Perrysburg (*o*)	34.53	48.63	37.26	40.14	16	69	15	61.00	28	20	28	26.33	3.1
Savannah	39..6	48.16	37.81	41.71	15	70	15	62.33	28	14	28	22.00	4.8
Urbana (*p*)	37.13	50.42	------	43.77	----	70	----	------	----	21	----	------	4.9
MICHIGAN—													
Ann Arbor, [Woodruff]	29.20	42.00	35.70	35.63	15	60	15	54.00	28	13	26	19.67	5.1
Battle Creek	29.71	45.03	33.16	35.97	13	*e* 70	15	55.67	28	14	18	20.00	4.5
Brooklyn	33.00	43.54	34.86	37.13	15	63	15	56.00	27	12	18	16.33	4.6
Detroit (*q*)	34.20	42.30	35.70	37.40	----	59	15	53.00	----	15	28	20.33	5.4

a Observations taken at sunrise, 2 p. m., and 9 p. m.
b Same temperature on the 17th.
c Observations taken in the morning.
d Observations omitted on the 16th.
e Same temperature on the 15th.
f Observations taken at sunrise, noon, and sunset.
g Observations taken at sunrise, 9 a. m, 3 and 9 p. m.; mean at 9 a. m., 61.83.
h Observations taken at 7 a. m, 1 p. m., and 9 p. m.
i Same temperature on the 16th, 17th, 22d, and 30th.
j Same temperature on the 26th and 27th.
k Same temperature on the 25th.
l Observations taken at 7 a. m, noon, and 6 p. m.
m Observations omitted from the 3d to the 14th, inclusive. Freezing point of the instrument 1 degree too high.
n Same temperature on the 28th.
o For the last 19 days of the month only.
p Observations taken at sunrise and 2 p. m.
q Observations taken at 8 a. m, 2 p. m., and 9 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Flint	28.00	43.50	33.40	34.97	....	65	....	.....	....	12	28	17.67	....
Monroe, [Whelpley]	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
St James	23.97	32.97	25.42	27.45	15	53	15	42.67	18	4	18	13.33	6.0
Saugatuck	31.71	42.80	37.55	37.35	....	61	....	.....	....	15	....	.....	....
INDIANA—													
Kendallville (*a*)	34.54	49.67	37.19	40.47	12	*b* 72	13	57.33	25	14	25	22.00	3.5
Milton	36.97	50.10	41.19	42.75	15	73	15	59.50	19	22	25	27.00	4.3
New Harmony	43.30	55.10	46.50	48.30	15	77	15	67.00	26	27	18	34.00	5 6
Richmond (*c*)	36.20	51.90	43.40	43.83	15	74	15	59.67	25	22	25	27.33	5.3
ILLINOIS—													
Athens	37.51	52.48	42.00	44.00	15	80	15	67.00	18	19	18	29.00	5.4
Augusta	36.32	49.48	41.65	42.48	15	79	15	66.67	18	16	18	26 67	4.6
Batavia	33.97	44.45	37.10	38.51	15	70	15	54.00	18	15	18	21.00	2.5
Ottawa	34.66	49.19	31.58	38.48	15	70	13	56.00	18	16	18	22.67	4.4
Upper Alton	39.02	50.30	43.76	44.36	15	77	15	65.33	18	22	18	29.67	9.3
MISSOURI—													
Hannibal	40.17	53.32	44.90	46.13	15	*d* 84	15	73.67	18	18	28	30.00	5.6
St Louis	42.20	53.10	46.90	47.40	15	81	15	70.67	18	25	18	34.67	4.6
WISCONSIN—													
Bellefontaine	29.06	44.35	34.58	36.00	15	72	15	54.67	18	9	18	17.00	4.7
Beloit	36.80	45.90	36.30	39.67	16	68	16	55.00	19	18	19	23.33	3.8
Ceresco	32.13	43.03	33.00	36.05	15	62	15	53.33	18	*e* 12	27	23.33	5.4
Janesville	28.09	44.61	31.74	34.81	15	68	15	49.33	18	7	18	15.00	4.3
Madison	30.90	41.80	34.90	35.87	15	66	15	52.67	18	10	18	17.67	4.0
Milwaukie	32.03	40.64	35.84	35.50	15	66	15	54.00	18	13	18	20 33	4.6
Platteville	33.46	45.55	35.10	38.04	12	62	15	53.33	18	8	18	17.67	4.7
IOWA—													
Dubuque	33.00	46.00	38.00	39.00	16	67	15	54.67	18	12	18	21.00	4.7
Fort Madison (*f*)	36.00	50.00	42.00	42.67	15	77	15	63.00	18	16	18	27.33	4.6
Keokuk	38.03	52.35	41.32	43.90	15	80	15	67.33	18	18	18	28.00	6.4
Muscatine	32.77	47.45	36.52	38.91	15	70	15	56.67	18	14	18	21.00	4.4
Poultney	32.40	43.23	33.70	36.44	14	64	12	53.97	18	10	18	17.60	5.2
Quasqueton	27.10	44.10	34.70	35.30	15	65	15	50.13	18	11	18	17.83	5.3
MINNESOTA—													
St. Anthony's Falls	27.64	40 54	29.96	32.71	15	59	15	46.00	27	6	27	15.00	4.3
St. Joseph's	13.35	28.52	20.00	20.62	7	50	21	35.33	18	— 8	26	0.67	5.2
NEBRASKA—													
Fort Pierre (*g*)	27.19	42.97	42.00	37.39	14	64	14	52.33	26	12	26	20.00	5.3
Fort Union (*h*)	22.13	35.06	30.52	29.24	19	54	19	45.33	31	4	31	13.33	....
CALIFORNIA—													
Sacramento, [Logan]	.....	.....	.....	54.53	....	68	....	.....	....	37	....	.....	....
San Francisco (*i*)	47.23	60.97	49.45	52.43	....	.....	....	.....	....	.....	....	.....	....
Stockton (*j*)	46.77	62.87	50.90	53.85	....	82	22	65.33	....	38	13	46.00	....
MEXICO—													
Mirador (*k*)	.....	.....	.....	69.62	....	.....	....	78.12	....	.....	....	59.99	....
SOUTH AMERICA—													
Assumption, Paraguay	75.81	83.61	78.87	79.43	21	90	3	85.00	29	68	29	74.33	3.9
EASTERN CONTINENT—													
Mosul, Mesopotamia (*k*)	.....	.....	.....	50.25	....	68.3	....	.....	....	36.6	....	.....	....

a Records imperfect on the 15th, 16th, and 17th.
b Same temperature on the 20th.
c Observations taken at 7 a. m., 1 p. m., and 8 a. m.; omitted from the 5th to the 9th, inclusive.
d Same temperature on the 16th.
e Same temperature on the 28th.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Observations taken at 7 a. m., noon, and 5 p. m.
h Observations taken at 7 a. m., noon, and 6 p. m.
i Observations taken at sunrise, 9 a. m., noon, and 10 p. m.; mean at 9 a. m., 52.06.
j Observations taken at 8 a. m., 2 p. m., and 8 p. m.
k Hours of observation not given.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	33.20	43.00	37.20	37.67	28	60	----	-------	14	20	----	----	5 5
CANADA EAST—													
St Martin's	32.10	45.74	35.16	37.67	25	65	25	52 80	14	16	2	23.40	4 7
CANADA WEST—													
Hamilton (*b*)	44.66	-------	43.93	44.30	----	------	----	-------	----	-------	----	-------	----
MAINE—													
Carmel (*c*)	33.03	44.56	32.35	36.65	26	59	30	48.67	12	19	12	19.00	4.5
Fryeburg	------	------	------	------	----	------	----	-------	----	-------	----	-------	5.5
Oldtown	29.63	43.53	32.43	35.20	25	62	30	47.00	4	11	3	22.00	2.0
Perry (*d*)	33.83	44 47	34.70	37.67	20	56	20	49.33	4	15	14	29.33	4.9
Steuben	------	------	------	------	----	------	----	-------	----	-------	----	-------	5.8
Windham	34.00	44.77	32.53	37.10	6	66	6	55.33	1	*e* 14	3	20.00	4.5
NEW HAMPSHIRE—													
Concord	35.66	47.40	39.00	40.69	25	66	25	55.33	3	*f* 20	3	27.00	5.2
Hanover	32.06	45.07	36 73	37.95	25	67	30	54.10	3	10	3	22.63	6.4
Exeter	33.4	47.00	36 2	38.9	6	*g* 66	6	52.00	3	16	3	25.33	5.6
Londonderry	36.87	49 83	39.70	42.13	25	69	25	*h*56.00	3	22	3	29.00	6.4
Manchester	36.76	51.90	42.00	43.55	6	71	25	57.00	3	17	3	28.67	6.5
Salmon Falls	36.73	48.10	39.57	41.47	6	67	6	52 33	3	19	3	28.33	5.8
VERMONT—													
Brandon	33.71	45.31	38.03	39.02	25	74	25	55.67	14	20	2	28.00	6.1
Burlington	35.12	46.90	38.10	40.04	25	68	6	54.00	14	20	14	27. 0	3.6
Castleton	36.53	46.50	39.67	40.90	30	66	25	56.67	14	20	2	27.10	6.0
Craftsbury (*i*)	31.68	44.77	33.26	36.57	25	61	30	53.00	14	13	14	25.00	5.8
St. Johnsbury	31.69	41.43	36.63	36.58	30	61	30	52.67	2	14	2	21.33	5.3
MASSACHUSETTS—													
Amherst	37.31	50.79	41.12	43.07	25	70	26	59.60	3	24	3	30.00	5.9
Mendon	35.13	47.73	39.07	40.64	25	69	26	57.20	3	17	3	28.00	5 8
Nantucket	44.18	47.17	40.50	43.95	21	*j* 60	27	54.67	3	30	15	33.33	5.7
New Bedford	40.98	48.85	39.85	43.23	27	66	27	59.17	3	25	3	30.50	7.2
Newburyport	37.23	47.49	39.49	41.40	6	70	6	56.3	3	23	3	28.50	5.2
North Attleboro'	40.29	51.13	39.33	43.58	27	73	27	62.40	3	24	3	29.57	5.7
Princeton	36.88	43.76	39.27	39.97	25	66	26	56.20	3	21	3	21.00	5.5
Richmond	33.73	51.73	41.07	42.18	26	70	26	61.33	3	12	2	23.67	6.3
Southwick	------	------	------	------	----	------	----	-------	----	-------	----	-------	5.9
Springfield	36.23	55.13	40.80	44.05	27	80	26	62.00	3	21	2	30.67	5.6
Worcester	37.90	49.80	42.00	43 23	26	69	26	61.30	3	24	3	26.00	5.5
RHODE ISLAND—													
North Scituate	37.4	49.5	36.4	41.1	27	73	27	63.3	3	23	3	28.00	6 2
Providence (*k*)	38.00	51.30	39.50	42.93	25	*l* 68	27	57.67	3	22	3	30.00	5.9
CONNECTICUT—													
New London	40.97	53.43	42.43	45.61	25	70	27	60 67	3	26	3	33.33	5 6
Pomfret	38.00	49.51	39.23	42.25	27	72	27	60.00	3	22	3	28.33	5.5
Salisbury	37.06	51.20	39.03	42.43	27	76	26	61.33	3	20	3	28.00	----
Saybrook	40.40	47.52	40.97	42.96	26	60	27	54.00	3	28	15	32.67	5.8
West Cornwall	36.10	49.20	38.00	41.10	27	72	26	58.00	3	18	2	24.67	5.7
NEW YORK—													
Baldwinsville	37.00	45.67	41.60	41.42	25	*l* 62	26	58.33	2	24	2	26.33	6.4
Beaver Brook	37.73	54.13	43.20	45.02	27	77	26	63.33	3	19	2	27.33	----
Beverly	40.03	52.53	43.40	45.32	26	72	26	64.00	14	29	17	31.67	6.6
Buffalo, [Salisbury] (*m*)	36.90	48.41	40.38	41.90	25	77	25	?	11	27	14	?	7.0
Canton	35.63	46.53	38.47	40.21	6	*g* 63	25	56.30	2	19	2	24.00	6.2
Chatham	38.03	48.59	40.70	42.44	6	*l* 68	6	62.33	14	14	14	23.33	6.9
Fishkill (*n*)	41.33	54.90	51.00	49.08	----	79	----	-------	----	25	----	-------	----
Gouverneur	34.67	46.77	36.77	39.40	6	66	25	56.33	2	18	2	24.67	6.5
Leroy (*o*)	37.97	45.77	-------	41.87	25	74	26	65.00	2	26	10	32.50	5.8

a Observations taken at 6 a. m., 3 p.m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p m.
c Observations omitted from the 3d to the 6th.
d Observations taken at sunrise, 7 a. m., 2 and 9 p. m. Mean at sunrise, 30.43.
e Same temperature on the 3d.
f Same temperature on the 4th.
g Same temperature on the 25th.
h Same temperature on the 6th.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 27th and 29th
k Observations taken at 6 a m , 1 p. m., and 10 p. m.
l Same temperature on the 26th.
m For the last 21 days of the month only. Observations taken at 7 a. m., 1 p. m. and 9 p.m.
n Observations taken at 7 a. m., noon, and 6 p. m.
o Imperfect.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	○	○	○	○		○		○		○		○	
Lodi	37.30	48.60	39.47	41.79	25	74	25	*d*63.00	2	20	2	22.00	7.1
Madrid	36.65	45.13	37.62	39.80	25	65	25	58.70	2	22	2	26.33	6.2
New York city (*b*)	41.90	52.83	45.49	48.44	....	78	26	69.60	....	28	17	33.60	....
New York city, [D. & D. Inst.]	43.23	52.97	43.86	46.69	26	74	26	63.47	3	29	17	32.00	6.1
Penn Yan	34.33	48.63	41.93	41.63	25	71	26	64.33	....	20	2	27.33	7.2
Sag Harbor	41.73	53.53	41.80	45.69	25	74	27	61.00	3	23	3	31.67	6.2
Troy	39.37	51.20	43.76	44.78	25	75	25	61.20	3	25	2	30.80	7.1
Wampsville	38.6	50.7	39.3	42.9	25	71	6	62.00	2	*c* 22	2	27.00	6.7
NEW JERSEY—													
Bloomfield	42.46	54.40	43.30	46.72	9	74	26	64.33	3	26	3	29.33	5.6
Burlington	42.87	58.40	49.03	50.10	27	86	26	72.00	3	24	17	*d*32.67	5.4
Lambertville	43.50	63.44	45.27	50.74	27	84	26	71.67	3	25	16	32.83	3.1
PENNSYLVANIA—													
Bedford (*e*)	44.28	58.52	47.60	50.13	25	84	25	68.33	3	24	17	33.33	3.9
Byberry	43.17	56.75	46.78	48.90	27	82	27	67.33	3	25	3	31.67	6.4
Gettysburg	43.00	58.40	46.37	49.26	25	*a*84	26	69.00	3	21	17	*c* 31.00	5.4
Harrisburg	45.90	57.63	49.86	51.13	26	82	26	72.00	3	29	16	33.00	5.7
Lima	43.38	55.58	45.60	48.19	27	80	26	68.00	3	23	3	30.4	6.3
Morrisville	42.47	55.77	45.30	47.85	27	80	25	66.67	3	29	14	31.33	4.9
Moss Grove	36.60	54.00	39.00	43.20	25	88	25	67.00	3	14	2	21.00	6.5
Norristown	46.07	57.50	47.50	50.36	27	81	26	70.33	3	30	3	32.80	6.2
Paradise	----	----	----	43.00	----	----	----	----	----	----	----	----	----
Philadelphia	45.70	58.07	50.40	51.39	27	85	26	70.00	3	29	16	33.00	6.9
Pittsburg, [M. H.] (*f*)	47.87	58.53	49.83	49.91	25	89	25	68.25	2	27	2	28.50	....
Pittsburg, [O. S.]	43.17	53.07	45.60	47.28	25	81	8	67.67	2	22	2	28.00	....
Pocopson (*g*)	42.17	58.70	-------	50.43	26	*h*81	26	72.00	3	23	3	32.25	6.6
Sugar Grove	37.10	48.43	38.46	41.33	25	82	25	64.67	2	17	2	20.33	6.8
Warrior's Mark	41.03	52.45	40.62	44.70	25	81	25	69.90	3	19	2	28.70	6.9
West Haverford	43.60	57.57	50.53	50.57	27	81	27	71.00	3	25	17	*i*30.00	5.6
Youngsville	36.67	49.68	38.55	41.63	8	*a*74	....	?	2	*c*17	....	?	6.7
MARYLAND—													
Frederick	45.59	57.55	49.34	50.83	25	79	26	68.33	3	25	16	32.33	5.9
Schellman Hall	46.62	58.83	47.49	50.98	25	83	26	69.33	17	27	16	29.33	4.5
DISTRICT OF COLUMBIA—													
Washington (*j*)	49.12	58.59	50.76	52.82	27	82	27	72.50	16	32	16	33.00	5.4
VIRGINIA—													
Alexandria	47.02	57.97	50.62	51.87	26	82	26	70.00	3	28	17	33.00	5.5
Ashland	50.70	64.23	56.70	57.21	8	*k*86	21	76.00	3	27	2	33.00	4.5
Crichton's Store (*l*)	51.43	65.82	-------	58.62	22	86	23	76.00	17	32	17	34.00	5.1
Lewisburg	44.03	61.50	49.33	51.62	25	90	25	72.67	2	26	2	28.00	5.7
Lynchburg	49.30	65.80	56.78	57.30	26	85	26	74.33	19	30	17	33.33	....
Winchester	47.07	58.60	49.83	51.83	25	78	26	69.33	3	27	16	33.33	5.5
NORTH CAROLINA—													
Chapel Hill	50.67	65.16	54.80	56.88	26	87	26	77.33	3	27	3	34.33	4.7
Thornbury	52.21	67.46	54.44	58.04	27	88	26	76.00	19	32	17	38.33	5.5
SOUTH CAROLINA—													
Camden	53.70	70.70	58.10	60.83	26	89	23	77.20	4	35	3	41.60	4.1
St. John's (*m*)	54.11	71.22	58.25	61.19	....	87	15	74.00	....	-------	....	-------	....
GEORGIA—													
Culloden	58.60	69.30	61.30	63.07	23	*a*88	23	76.33	2	*c*37	2	44.67	3 2
Savannah	57.14	72.61	61.50	63.75	23	90	23	75.50	3	39	3	46.90	3.8
Sparta	51.91	66.13	56.70	58.25	26	92	26	78.00	3	*n* 30	3	40.67	4.5
The Rock (*o*)	----	----	----	----	----	----	----	----	----	----	----	----	3.6
Whitemarsh Island	57.53	69.40	59.57	62.17	23	87	23	73.10	3	40	3	45.10	3.5

a Same temperature on the 26th.
b Observations taken at sunrise, noon, 3 p.m., sunset, and 10 p. m. Mean at noon 51.76; mean at sunset 50.30.
c Same temperature on the 3d.
d Same temperature on the 3d and 16th.
e No observations on Sundays.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 43.43.
g Observations taken at daybreak and 2 p. m.
h Same temperature on the 27th.
i Same temperature on the 15th.
j Observations taken at 9 a. m., 2 p. m., and 9 p. m.
k Same temperature on the 25th.
l Observations omitted after the 23d.
m Observations taken at sunrise, 2 p. m., and 9 p. m.
n Same temperature on the 4th.
o Observations taken in the morning.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp.	
	○	○	○	○		○		○		○		○	
FLORIDA—													
Cedar Keys	63.43	71.10	67.30	67.28	14	*a*80	26	*b*75.67	3	43	3	52.33	3.8
Jacksonville	59.50	72.50	63.56	65.19	23	*c*83	27	76.33	3	*d*47	3	50.33	3.8
Key West	70.17	76.97	.....	73.57	1	*e*84	15	*f*80.00	3	*g*62	3	*g*65.00	4.2
KNOX Hill (*h*)	55.11	69.60	59.47	61.39	24	86	25	*i*73.00	3	35	3	47.00	3.8
Warrington (*j*)	57.97	68.53	65.23	63.91	11	79	26	72.67	18	42	3	51.33	1.6
ALABAMA—													
Greene Springs (*k*)	49.29	72.70	57.05	60.11	24	93	24	79.00	18	29	2	42.50	5.7
MISSISSIPPI—													
Garlandsville	57.07	73.69	67.65	66.14	24	92	26	81.00	3	36	2	49.33	3.8
Jackson	53.10	69.10	57.30	59.83	----	-----	----	-----	----	-----	----	-----	2.4
Lake Washington (*l*)	58.00	71.16	61.50	63.35	22	85	----	?	17	43	----	-----	3.3
LOUISIANA—													
New Orleans	58.80	70.00	59.36	62.72	24	*m*82	26	75.00	3	45	3	51.67	3.1
TEXAS—													
Austin	61.07	76.83	62.73	66.88	26	92	26	78.67	1	43	1	51.00	5.3
New Wied	62.86	79.73	65.40	69.33	26	94	26	81.00	1	43	1	53.00	5.1
TENNESSEE—													
Glenwood	51.51	66.51	57.95	58.66	24	88	24	76.25	2	30	2	36.20	5.4
Knoxville	48.98	61.17	54.33	54.83	23	81	25	71.10	2	30	2	30.50	4.5
Memphis	57.00	67.33	59.41	61.25	24	86	24	78.00	1	*n* 38	2	42.00	1.5
KENTUCKY—													
Ballardsville	49.37	62.10	55.47	55.65	23	83	23	74.00	2	27	2	30.00	5.4
Danville	51.83	63.92	54.22	56.66	8	84	22	73.00	3	33	2	37.33	4.7
Millersburg (*o*)	47.81	60.20	51.79?	53.29	21	*a* 84	25	71.67*p*	2	26	2	31.33	5.8
Springdale	44.78	61.25	55.70	53.91	25	87	24	75.00	18	24	1	34.50	5.7
OHIO—													
College Hill	47.37	62.44	52.52	54.44	25	84	25	75.67	1	27	2	30 60	4.7
Gallipolis	49.90	59.87	52.52	54.10	21	80	22	70.00	3	30	17	34.33	----
Geneva Hall	42.73	57.27	44.07	48.02	23	88	8	69.00*p*	3	26	1	30.00	6.0
Germantown	46.08	59.38	48.11	51.19	25	86	25	74.97	16	27	2	29.90	6.4
Granville	45.93	55.82	48.50	50.08	8	*p* 79	8	67.67	2	24	2	29 00	6.0
Hillsborough	46.60	57.90	45.16	49.89	25	84	25	71.33	1	*n* 26	2	29.20	5.3
Huron (*q*)	41.47	50.59	42.76	44.92	25	89	25	72.67	2	25	2	27.33	6.3
Jackson	48.57	63.47	50.90	54.31	25	90	25	73.70	1	*r* 32	2	34.00	7.0
Mount Vernon	44.80	59.40	48.03	50.74	25	86	25	72.67	3	21	2	*s* 31.00	6.1
Oberlin	42.93	46.97	41.57	43.49	25	79	26	67.7	2	25	2	29.70	5.6
Perrysburg (*q*)	43.40	56.30	47.27	48.99	8	84	25	70.33	2	27	2	29.33	5.5
Savanuah	48.90	55.93	46.27	50.37	25	92	25	77.67	1	30	16	32.67	6.1
Urbana (*t*)	44.26	57.66	.....	50.92	----	85	----	-----	----	27	----	-----	6.1
MICHIGAN—													
Ann Arbor, [Woodruff]	39.90	55.73	45.33	46.99	21	80	26	65.33	1	*r* 26	2	28.67	5.4
Battle Creek	40.47	60.67	40.67	47.27	25	90	25	71.33	1	*n* 24	1	27.33	4.1
Detroit	41.90	52.03	42.23	45.39	8	*u* 70	21	64.33	2	26	2	29.67	6.8
Flint	40.0	57.8	41.0	46.27	----	81	25?	-----	----	21	1?	-----	----
Grand Rapids (*v*)	43.34	61.81	48.90	51.35	25	82	25	70.00	11	*w* 32	14	36.00	3.5
Monroe, [Whelpley]	-----	-----	-----	-----	----	-----	----	-----	----	-----	----	-----	5.2
Saugatuck	44.77	55.13	45.50	48.47	----	80	----	-----	----	25	----	-----	----
St. James	36.47	41.78	34.65	37.63	24	55	28	46.67	1	7	1	21.50	4.3
INDIANA—													
Kendallville	44.03	59.93	47.48	50.48	8	*x* 82	25	70.33	2	26	2	*f* 30.33	3.1
Milton	46.62	58.31	49.13	51.35	25	82	25	72.50	2	28	2	29.80	4.6
New Harmony	50.4	65.7	55.1	57.1	24	89	24	77.33	2	28	1	33.67	4.5
Richmond (*y*)	46.55	58.87	49.03	51.48	25	83	?	?	1	26	2	29.00	6.3

a Same temperature on the 24th and 25th.
b Same temperature on the 14th.
c Same temperature on the 27th.
d Same temperature on the 18th.
e Same temperature on the 12th and 15th.
f Same temperature on the 1st.
g Same temperature on the 19th.
h No observations from the 6th to the 18th.
i Same temperature on the 24th.
j Observations taken at sunrise, 2 p. m., and sunset.
k Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 61.42.
l Imperfect.
m Same temperature on the 26th.
n Same temperature on the 2d.
o Observations taken at 9 a. m., 2 p. m., and 9 p. m.
p Same temperature on the 25th.
q Observations taken at 7 a. m., 1 p. m., and 9 p. m.
r Same temperature on the 2d and 3d.
s Same temperature on the 17th.
t Observations taken at sunrise and 2 p. m.
u Same temperature on the 21st, 22d, and 26th.
v No observations till the 5th.
w Same temperature on the 14th and 18th.
x Same temperature on the 21st, 24th, and 25th.
y Observations taken at 7 a. m., 1 p. m., and 8 p. m.

No 17.—THERMOMETER AND FACE OF SKY, APRIL, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	48.33	65.56	52.53	55.47	22	91	22	a77.67	1	23	1	27.67	4.7
Augusta	47.06	62.70	53.20	54.32	22	87	22	75.00	1	21	1	26.33	3.5
Batavia	42.80	59.23	47.20	49.74	19	86	24	73.00	2	22	1	28.33	3.9
Ottawa	45.10	63.23	46.68	51.67	24	87	24	73.33	1	21	1	21.67	4.5
Upper Alton	50.42	61.90	52.90	55.07	24	85	24	76.33	2	26	1	29.67	6.1
MISSOURI—													
Hannibal	50.43	57.07	51.07	52.86	17	b88	22	75.50	1	19	1	24.50	4.4
St. Louis	51.50	64.20	54 90	56.87	24	88	24	78.00	2	27	1	31.00	5.8
WISCONSIN—													
Bellefontaine	43.63	58.67	47.37	49.89	19	a79	25	69 00	2	17	2	26.00	5.0
Beloit	45.26	59.66	45.16	50.03	20	87	20	71.67	1	c27	1	28.33	3.4
Janesville	40.00	59.96	43.26	44.41	20	88	24	72.00	1	c20	1	23.33	4.6
Madison	41.87	55.82	46.33	48.01	24	79	22	68.50	1	c23	1	24.67	3.6
Milwaukie	40.93	47.97	42.07	43.66	6	69	20	59.00	2	24	1	27.00	4.2
Platteville	45.63	61.70	49.17	52.17	20	86	20	75.20	2	18	1	26.10	4.6
IOWA—													
Dubuque	45.00	60.63	50.93	52.19	20	87	20	79.00	1	c22	1	26.00	3.9
Fort Madison (*d*)	46.33	64.57	57.70	56.20	23	91	22	78.00	1	19	1	27.00	3.3
Muscatine	41.33	64.27	48.73	51.44	22	88	22	68.33	2	12	1	22.33	3.8
Poultney	44.41	60.50	43.35	49.42	20	87	20	72.20	1	12	1	20.00	4.6
Quasqueton	43.85	61.68	46.33	50.62	20	88	20	72.33	2	14	1	21.90	4.0
MINNESOTA—													
St. Anthony's Falls	40.77	59.03	44.93	48.24	20	86	20	72.00	1	16	1	26.00	3.9
St. Joseph's	36.23	52.53	40.73	43.16	18	78	19	e57.67	1	8	1	15.00	4.6
NEBRASKA—													
Fort Pierre (*f*)	43.40	66.37	61.37	57.05	18	90	19	75.00	1	12	1	26.33	5.8
Fort Union (*g*)	41.10	60.17	53.53	51.60	20	84	19	70.00	1	3	1	25.67	----
CALIFORNIA—													
Sacramento, [Logan]	-------	-------	-------	60.00	----	78	----	-------	----	49	----	---------	----
San Francisco (*h*)	51.10	68.43	52.90	58.07	----	------	----	-------	----	-------	----	---------	----
Stockton (*i*)	54.30	74.51	57.20	62.00	----	90	16	71.33	----	48	22	54.33	----
MEXICO—													
Mirador (*j*)	-------	-------	-------	67.68	---	------	----	77.00	----	-------	----	57.11	----
SOUTH AMERICA—													
Colonia Tovar (*k*)	55.90	67.50	61.40	63.36	21	78	21	68.60	5	50	3	55.02	----
Assumption, Paraguay	72.37	78.37	75.27	75.34	10	90	10	85.33	14	61	15	63.00	4.4
EASTERN CONTINENT—													
Mosul, Mesopotamia (*j*)	-------	-------	-------	59.98	----	84.4	----	-------	----	45.6	----	---------	----

a Same temperature on the 24th.
b Same temperature on the 22d and 24th.
c Same temperature on the 2d.
d Observations taken at 6 a. m., 2 p. m., and 7 p. m.
e Same temperature on the 29th.
f Observations taken at 7 a. m., 2 p. m., and 6 p. m.
g Observations taken at 6 a. m., noon, and 6 p. m.
h Observations taken at sunrise, 9 a. m., noon, and 10 p. m; mean at 9 a m., 59.83.
i Observations taken at 8 a. m, 2 p. m., and 8 p. m.
j Hours of observation not given
k Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset; mean at 9 a. m., 66.50; mean at 3 p. m., 65 50.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	46.10	55.10	50.00	50.40	13	74	....	.....	7	29	....	.....	....
CANADA EAST—													
St. Martin's	51.45	67.06	52.84	57.12	24	90	17	69.67	6	26	6	27.67	3.5
CANADA WEST—													
Hamilton (*b*)	56.84	.....	55.00	55.92	28	68	14	66.50	6	38	6	39.00	....
MAINE—													
Carmel	49 94	66.94	48.33	55.07	28	85	28	68.33	7	25	....	?	5.5
Fryeburg	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	....	.....	4.6
Perry (*c*)	46.16	57.52	48.48	50.72	28	70	28	60.00	7	29	6	33.67	6.4
Steuben	.....	.....	.....	.....	.....	.....	....	.....	....	.....	....	.....	5.8
Windham	53.87	64.22	52.26	56.78	28	80	28	70.67	6	29	6	32.00	4.7
NEW HAMPSHIRE—													
Concord	55.45	66.80	57.20	59.82	13	80	13	69.67	6	28	6	35.67	3.9
Hanover	49.25	66.22	54.66	56.71	28	80	15	67.57	6	26	6	32.20	4.9
Exeter	52.10	65.60	53.00	56.90	13	78	13	66.67	6	30	6	35.33	5.5
Londonderry	52.80	68.00	60.30	60.37	13	84	13	70.67	6	28	6	30.33	5.3
Manchester	53.35	70.80	60.41	61.52	16	84	16	72.00	6	32	6	37.33	6.0
Salmon Falls	55.37	66.84	55.56	59.26	13	79	11	68.17	6	31	6	33.33	5.0
VERMONT—													
Brandon	51.48	65.38	56.06	57.64	13	82	17	70.67	6	*d* 29	6	28.67	4.7
Burlington	55.50	68.13	56.50	60.04	17	83	17	72.67	6	28	6	28.67	2.5
Castleton	53.20	66.58	57.58	59.12	13	*e* 82	20	72.33	6	30	6	31.33	4.1
Craftsbury	50.0	59.2	52.0	53.73	13	76	17	64.33*f*	6	20	6	20.67	5.0
St. Johnsbury	44.10	62.80	51.50	52.80	13	81	13	66.33	6	*d* 25	6	26.67	3.3
MASSACHUSETTS—													
Amherst	52.80	64.80	54.20	57.27	15	*g* 79	16	69.33	6	31	6	37.80	5.0
Mendon	50.70	63.00	55.30	56 33	10	*h* 75	20	65.33	7	28	6	35.33	5.5
Nantucket	53.30	55.10	51.00	53.13	12	*h* 70	22	62.33	7	35	7	42.33	6.1
New Bedford	54.10	64.30	53.10	57.17	12	78	22	65.83	6	31	6	43.17	7.2
Newburyport	49 40	60.00	56.00	55.13	12	79	15	67.90	6	30	6	36.83	7.1
North Attleboro'	52.3	67.5	52 3	57.4	15	80	21	67.77	6	30	6	38.93	5.6
Princeton	48.00	63.50	55.10	55.53	28	75	28	68.20	6	26	6	32.64	4.6
Richmond	49.2	64.2	55.6	56.33	12	80	15	67.33	7	28	6	32.67	5.8
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.1
Springfield	54.74	68.58	58.45	60.59	12	81	28	70.00	6	31	6	38.67	4.8
Taunton	56.80	72.51	58.77	62.69	28	90	21	75.33	7	34	6	40.33	2.9
Worcester	56.30	66.40	57.90	60.20	12	79	16	69.83	7	29	6	37.00	4.2
RHODE ISLAND—													
North Scituate	46.8	64.9	54.8	55.5	12	*i* 75	28	67.67	6	29	7	30.00	5.7
Providence (*j*)	53.0	66.3	53.8	57.7	28	80	28	*k*67.67	6	31	6	41.00	5.5
CONNECTICUT—													
New London	53.90	67.60	54.60	58.70	13	79	28	68.00	7	34	7	43.00	6.0
Pomfret	53.67	64.54	54.67	57.63	28	77	16	66.33	6	30	6	36.67	5.1
Salisbury	53.19	67.32	54.96	58.49	15	81	28	69.33	7	29	6	36.00	....
West Cornwall	51.6	63.8	54.8	56.7	16	76	16	66.33	7	28	6	35.33	4.6
NEW YORK—													
Angelica	49.5	65.9	51.0	55.8	16	*l* 80	17	73.33	7	29	6	34.73	3.4
Baldwinsville	50.5	62.9	55.1	56.2	13	*m* 75	17	68.33	7	31	6	33.67	4.0
Beaver Brook	52.71	68.65	58.58	59.98	28	85	28	71.67	7	31	6	38.67	4.7
Beverly	56.39	63.55	58.94	59.63	28	77	28	70.67	6	37	6	43.33	5.2
Buffalo, [Salisbury] (*n*)	42.08?	59.28?	48.82?	50.06?	13	82	13	71.00	7	*o* 31	6	36.00	3.7
Canton	53.1	67.5	56.5	59.03	17	92	17	78.67	7	26	6	29.67	4.4
Chatham	53.20	67.30	54.60	58.37	29	81	19	70.00	6	*d* 30	6	34.33	4.8
Fishkill	56.45	70.09	67.09	64.54	....	85	....	.....	....	38	....	.....	....

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken at sunrise, 7 a. m., 2 and 9 p. m. Mean at sunrise, 43 45.
d Same temperature on the 7th.
e Same temperature on the 17th.
f Same temperature on the 13th.
g Same temperature on the 16th and 28th.
h Same temperature on the 20th.
i Same temperature on the 15th, 16th, and 28th.
j Observations taken at sunrise, 1 p. m., and 10 p. m.
k Same temperature on the 16th.
l Same temperature on the 21th.
m Same temperature on the 19th.
n Imperfect.
o Same temperature on the 8th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1854.—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Gouverneur	55.50	67.90	57.00	60.13	10	*a* 80	17	75.67	6	28	6	30.00	4.6
Leroy (*b*)	48.29?	65.50?	.....	56.90?	27	79	....	.....	7	32	....	.....	5.8
Lodi	55.3	65.9	55.1	58.77	....	78	17	71.00	....	29	6	32.67	4.4
Madrid	54.0	61.6	55.2	56.93	17	84	17	77.43	6	30	6	32.10	4 0
New York city (*c*)	54.39	68 40	58.87	62.33	....	80	28	72.40	....	35	6	47.20	....
New York city, [D. & D. Ins.]	58.03	66.46	58.06	60.85	28	80	28	73.53	6	38	6	45 80	4.2
Penn Yan (*d*)	45.74	67.13	55.97	56.28	....	79	29	63.00	....	28	6	34.67	4.7
Sag Harbor	56.7	68.3	54.2	59.73	16	81	13	67.00	7	35	7	45.33	5.1
Troy	56.0	70.0	60.9	62 3	28	83	17	71.83	7	34	6	38.97	5.3
Wales	49.84	.....	.....	.....	17	70	....	.....	8	24	....	.....	....
Wampsville	54.6	67.9	53.8	58.77	29	82	17	72.67	6	30	6	33.33	4.8
NEW JERSEY—													
Bloomfield	55.18	69.44	60.00	61.54	19	80	28	70.50	7	34	7	45.67	3.6
Burlington	56.1	72.9	61.5	63.5	28	84	17	73.00	7	36	7	48.00	5.5
Lambertville	58.39	73.63	59.26	63.76	28	88	28	74.83	7	38	7	47.50	5.5
Newark (*e*)	.....	.....	.....	61.18	....	81	....	.....	....	34	....	.....	....
PENNSYLVANIA—													
Bedford	54.2	71.4	59.9	61.83	12	82	30	72.33	8	37	6	50.67	4.6
Brookville (*f*)	48.19	69.13	61.32	59.55	28	*g* 89	28	77.67	8	22	8	44.33	....
Gettysburg	58.2	74.9	58.3	63 80	30	86	29	73.33	7	39	3	47.67	4.8
Harrisburg	61.0	75.8	66.2	67.67	29	87	15	77.00	7	42	3	52.67	4.0
Lima	58.35	69.40	59.26	62.34	28	79	29	72.27	7	38	7	47.17	4.6
Morrisville	57.0	70.5	59.0	62.17	28	82	28	71.00	7	39	7	49.00	3.2
Moss Grove	51.04	70.14	52.75	57.98	28	*g* 90	17	75.33	6	28	7	37.33	4.6
Norristown	57.67	70.82	59.77	62.75	15	80	15	71.67	6	42	3	48.43	4.8
Paradise	.....	.....	.....	69.09	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	60.0	72.5	63.8	65.43	10	*h* 82	29	74.50	7	40	7	50.00	4 8
Pittsburg, [M. H.] (*i*)	60.45	74.03	63.71	62.88	27	91	28	73.25	7	35	3	44.75	....
Pittsburg, [O. S.]	55.2	67 5	57.3	60.0	28	83	16	72.33	7	34	3	41.00	....
Pocopson (*j*)	54.77	73.52	.....	64.14	29	86	29	75.00	7	36	7	48.50	5.2
Sugar Grove	52.7	63.2	52.1	56.0	24	77	17	66.67	6	29	6	38.00	4.5
Warrior's Mark	48.7	69.5	55.8	58.00	29	85	29	71.80	7	32	7	43.63	4.5
West Haverford	55.5	74.24	.....	64.87	18	*k* 84	18	76.00	?	?	1	49.00	4.5
MARYLAND—													
Frederick	60.80	73 70	63.01	65.84	30	85	30	74.57	7	43	3	49.77	5.0
Schellman Hall	60 80	74.00	61.70	65.50	15	85	16	75.33	3	45	3	48.33	4.3
DISTRICT OF COLUMBIA—													
Washington	60.60	71.10	64.70	68.80	10	*l* 83	30	77.50	1	43	3	50.67	5 1
VIRGINIA—													
Alexandria	62.29	73.80	65.05	67.05	10	*g* 83	29	76.50	1	43	3	50.17	4.9
Ashland	61.03	75.52	67.10	67.88	16	*m* 87	28	77.33	1	45	2	53.33	3.2
Crichton's Store	63.45	75.63	.....	69.54	16	92	16	84.00	1	45	7	62.33	5.1
Lewisburg	58.1	75.2	62.7	65.33	16	*n* 87	28	74.60	1	*o* 39	3	50.67	4.8
Lynchburg	60.7	77.1	68.1	68.63	11	*p* 87	20	75.00	6	35	3	59.00	....
Winchester	61.3	73.8	62.2	65.76	27	*g* 84	29	76.33	1	42	3	52.33	4.2
NORTH CAROLINA—													
Chapel Hill	62.8	77.2	66.1	68.7	9	*l* 86	26	76.00	1	43	1	57.00	5.2
Thornbury	64.90	79.17	65.10	69.72	16	89	16	77.00	7	49	7	55.80	4.7
SOUTH CAROLINA—													
Camden	68.1	81.7	69.7	73 17	27	92	27	81.47	1	45	4	63.47	5.1
St. John's (*q*)	63.53	78.00	67.80	69.78	....	84	15	77.33	....	40	1	53.67	....
GEORGIA—													
Augusta (*r*)	72.20	79.20	75.10	75.50	26	84	26	79.33	29	68	19	73.33	1.5
Culloden	73.10	84.30	76.70	78.0	27	90	27	83.00	1	55	1	62.00	4.5
Savannah	68.90	81.20	71.20	73.43	27	90	28	80.20	1	51	1	59.73	4.6

a Same temperature on the 13th and 14th.
b Very imperfect.
c Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 66.77; mean at sunset, 63 23.
d Observations taken at sunrise, 2 p m., and sunset.
e Observations taken at 7 a. m. and 5 p. m.
f Observations taken at 6 a. m., noon, and 6 p. m.
g Same temperature on the 29th.
h Same temperature on the 17th, 18th, and 29th.
i Observations taken at sunrise, 9 a. m., 3 p m , and 9 p. m. Mean at sunrise, 53 32.
j Observations taken at daybreak and 2 p. m.
k Same temperature on the 30th.
l Same temperature on the 16th.
m Same temperature on the 28th.
n Same temperature on the 27th and 28th.
o Same temperature on the 27th.
p Same temperature on the 20th
q Observations taken at sunrise, 2 p. m., and 9 p. m.
r For the last 23 days of the month only.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Sparta	64. 9	82. 6	71. 4	72. 97	16	95	26	81. 67	1	40	1	56. 00	5. 6
Whitemarsh Island	68. 9	77. 5	69. 7	72. 0	27	86	28	78. 00	1	51	1	57. 00	4. 3
FLORIDA—													
Cedar Keys	78. 4	81. 6	74. 2	78. 1	23	*a* 85	31	82. 00	1	*b* 64	1	68. 33	3. 0
Jacksonville	74. 09	82. 00	73. 00	76. 36	16	*c* 87	17	82 00	2	56	1	64 33	3. 8
Key West	76. 81	84. 01	-------	80. 41	29	*d* 90	29	85. 00	1	*b* 72	1	75. 00	3. 1
Knox Hill	69. 50	81. 50	72. 90	74 63	21	89	21	80. 33	1	54	1	59. 25	5. 3
Warrington (*e*)	70. 50	80. 75	76. 33	75. 86	30	87	30	82 00	2	52	2	64. 00	3. 1
MISSISSIPPI—													
Garlandsville	68. 39	85. 34	72. 48	75. 40	16	*f* 93	28	85. 67	1	49	1	63. 33	5. 1
Jackson	65. 60	78. 30	67. 20	70. 37	22	*g* 85	16	77. 33	1	44	2	47. 00	5. 1
Lake Washington	67. 7	78. 8	72. 2	72. 9	30	88	30	78. 70	4	58	5	61. 67	7. 3
LOUISIANA—													
New Orleans	67. 20	80. 40	69. 20	72. 27	14	88	14	81. 00	1	56	1	62. 67	5. 0
TEXAS—													
Austin	68. 13	81. 39	69. 06	72. 86	31	93	31	83. 00	5	*h* 59	5	64. 33	6. 4
New Wied	70. 6	83. 7	20. 9	75. 07	31	97	31	87. 00	5	59	4	66. 00	3. 8
TENNESSEE—													
Glenwood	60. 38	73. 18	65 32	66. 29	8	85	30	75. 33	3	42	2	52. 60	5. 7
Knoxville	60. 4	75. 8	65. 2	67. 13	26	83	26	73. 00	1	37	1	52. 67	4. 5
Memphis	65. 0	77. 0	69. 0	70. 33	30	86	30	82. 00	2	51	3	60. 67	1. 6
KENTUCKY—													
Ballardsville	61. 33	72 68	65. 90	66. 64	29	87	28	*i* 75. 33	3	46	2	55. 00	4. 8
Danville	64. 50	76. 00	64. 00	68. 17	28	84	29	76. 00	2	50	2	54. 67	3. 8
Millersburg	58. 65	72. 07	61. 28	64. 00	26	89	26	75. 33	3	*j* 44	2	50. 67	5. 2
Springdale	51. 5	76. 1	65. 4	64. 3	26	86	26	*k* 76. 00	3	*j* 37	3	50. 17	5. 1
OHIO—													
College Hill	61. 30	70. 64	63. 81	65. 28	28	83	28	77. 17	3	45	3	54. 50	3. 7
Gallipolis	61. 9	74. 4	62. 8	66. 37	28	86	27	77. 00	3	47	3	52. 00	----
Geneva Hall (*l*)	53. 9	68 8	52. 7	58. 47	14	84	14	74. 00	2	36	2	39. 33	5. 0
Germantown	56. 09	70. 32	58. 05	61. 49	26	84	27	75. 76	4	42	3	51. 50	5. 2
Granville	55. 1	67. 7	58. 1	60. 3	28	83	28	72. 00	3	*m* 41	3	46. 00	3 7
Hillsborough	56. 90	68. 74	59. 35	61. 66	28	83	13	72 67	3	43	3	48. 33	3. 9
Huron	56. 00	64. 00	52. 16	57. 39	17	84	13	74. 33	7	36	7	42 33	4. 0
Jackson	60. 7	76. 5	61. 6	66. 27	26	*n* 91	13	78. 33	3	46	3	49. 33	5. 8
Marietta	55. 9	71. 7	60. 2	62. 6	16	85	13	73. 33	1	39	3	45. 67	4. 0
Mount Vernon	55 30	71. 70	55. 70	60. 90	16	87	25	75. 67	1	37	2	41. 00	3. 9
Oberlin	55. 7	65. 5	57. 2	59. 47	16	81	16	*n* 70. 00	6	*m* 40	7	43. 00	3. 6
Perrysburg	60. 00	71. 42	57. 90	63. 11	27	83	13	78. 67	2	42	2	46. 67	4. 3
Richmond	-------	-------	-------	-------	----	------	---	-------	---	-------	---	-------	4. 5
Savannah	64. 36	68. 36	56. 81	63. 18	26	95	26	81. 67	2	38	2	49. 33	4. 4
Urbana (*o*)	53. 39	72. 29	-------	62. 84	----	86	----	-------	----	37	----	-------	4. 2
Zanesfield	54. 00	68. 86	60. 90	61. 25	26	*n* 82	28	71. 33	7	38	3	49. 33	3. 0
MICHIGAN—													
Ann Arbor, [Wooodruff]	52. 3	67. 2	56. 7	58. 7	26	80	25	69. 33	2	40	2	45 33	4. 5
Battle Creek	55. 35	70. 61	54. 42	60. 13	27	90	26	76. 00	6	40	2	43. 00	3 5
Detroit	58. 58	65. 45	54. 16	59. 40	13	78	13	74. 00	6	34	6	42. 00	5. 1
Flint	55. 4	69. 9	54. 3	59. 87	----	85	----	-------	----	35	----	-------	----
Grand Rapids	54. 03	69. 22	58. 26	60. 48	27	88	27	78. 67	*h* 5	39	5	49. 00	3. 6
Monroe, [Whelpley]	-------	-------	-------	-------	----	------	---	-------	---	-------	---	-------	4. 9
St. James	49. 01	53. 92	46. 64	49 86	24	75	24	64. 33	6	31	6	36. 00	5. 4
Saugatuck	54. 35	65. 35	55. 70	58. 47	----	92	----	-------	----	41	----	-------	----
INDIANA—													
Kendallville	54. 93	71. 03	54. 40	60. 12	26	*p* 88	27	72. 67	3	36	2	40. 33	2. 6
La Fayette	63. 65	73. 48	60. 00	65. 71	27	87	27	*n* 77. 00	2	44	2	52. 00	4. 4
Milton	58. 55	71. 55	58. 55	62. 88	29	85	26	75. 16	2	44	2	47. 50	3. 0

a Same temperature on the 27th, 28th, and 31st.
b Same temperature on the 2d.
c Same temperature on the 17th, 26th, 27th, and 28th.
d Same temperature on the 30th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 21st.
g Same temperature on the 24th.
h Same temperature on the 6th.
i Same temperature on the 27th and 28th.
j Same temperature on the 4th.
k Same temperature on the 29th.
l For the first 24 days of the month only.
m Same temperature on the 7th.
n Same temperature on the 28th.
o Observations taken at sunrise, and 2 p. m. Same temperature on the 27th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
INDIANA—Continued.													
New Harmony	61.10	76.10	63.70	66.97	30	90	30	78.67	11	48	2	53.33	5.0
Richmond (*a*)	58.40	70.36	59.60	62.79	28	87	28	74.67	1	38	1	45.00	4.9
ILLINOIS—													
Athens	59.48	75.71	63.77	66.32	3	90	30	78.00	2	43	17	50.67	4.2
Augusta	56.19	71.74	60.87	62.93	9	82	28	73.00	2	47	17	47.67	3 9
Batavia	51.64	71.71	55.71	59.69	28	84	28	75.00	3	33	2	38.00	3.2
Ottawa	58.70	70.70	57.48	62.29	25	88	27	74.00	6	40	2	48.67	5.3
Upper Alton	60.17	70.90	63.45	64.87	30	84	30	74.00	2	44	2	53.33	3.0
MISSOURI—													
Hannibal	52.71	70.35	62.30	61.79	22	*b* 90	26	75.33	2	37	17	47.67	4.5
St Louis	62.0	75.9	66.0	67.97	30	88	30	76.33	2	46	2	54.33	5.7
WISCONSIN—													
Bellefontaine	53.58	69.19	56.26	59.68	26	*c* 83	27	73.33	3	38	2	*d* 50.00	4.8
Beloit	56.19	70.32	56.09	60.87	26	84	27	74.00	8	37	2	45.00	3.6
Janesville	53.77	70.01	52.42	58.73	26	86	27	*b* 72.67	6	38	2	45.67	4.3
Madison	52.5	64.5	55.0	57.33	28	78	28	70.50	2	39	6	*e* 49.00	4.3
Milwaukie	52.10	58.84	52.19	54.38	4	*f* 73	9	63.33	6	37	6	41.00	4.0
Platteville	54.50	73.71	57.03	61.75	28	93	28	77.67	1	38	18	49.67	4.3
IOWA—													
Dubuque	55.20	69.00	58.00	60.73	25	*c* 82	28	74.33	2	42	19	52.33	4.4
Fort Madison (*g*)	58.52	74.64	64.71	65.96	25	90	25	78.00	2	40	17	53.00	4.2
Muscatine	51.10	69.55	55.00	58.55	25	86	27	75.00	2	*h* 35	17	45.67	4.1
Pella (*i*)	46.48	70.42	------	58.45	25	88	29	73.00	2	28	17	41.00	----
Poultney	51.30	67.48	53.60	57.46	25	*j* 80	29	71.00	2	38	17	47.00	5.1
Quasqueton	54.23	68.81	56.27	59.77	25	83	27	73.87	2	39	17	46.76	5.0
MINNESOTA—													
Lac qui Parle	------	------	------	------	----	------	----	------	----	------	----	------	4.1
St. Anthony's Falls	50 42	66.03	51.65	56.03	25	*k* 86	28	74.00	1	35	1	36.00	4.3
St. Joseph's	46.00	59.84	51.00	52.28	23	88	23	72.00	10	32	10	33.67	5.4
NEBRASKA—													
Fort Pierre	54.48	70.32	64.03	62.94	25	90	25	77.67	9	40	8	47.00	4.9
Fort Union (*l*)	46.48	62.94	55.81	55.08	24	*c* 80	24	68.00	6	*m* 32	8	39.67	----
CALIFORNIA—													
Sacramento, [Logan]	------	------	------	62.00	----	77	----	------	----	48	----	------	----
San Francisco (*n*)	48.95	64.01	50.60	55.66	----	------	----	------	----	------	----	------	----
Stockton	54.61	76.55	56.45	62.54	----	90	3	73.33	----	44	6	52.00	----
MEXICO—													
Mirador (*o*)	------	------	------	76.55	----	------	----	82.62	----	------	----	64.62	----
SOUTH AMERICA—													
Assumption, Paraguay	67.55	75.26	70.90	71.24	6	83	8	80.00	9	50	9	59.00	3.6
Colonia Tovar (*p*)	57.96	68.10	62.30	63.92	1	78	6	68.80	1	55	18	58.00	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	------	------	------	76.72	----	96.8	----	------	----	55.6	----	------	----

a Observations taken at 7 a. m., 1 p. m., and 8 p. m.
b Same temperature on the 26th.
c Same temperature on the 27th.
d Same temperature on the 16th and 20th.
e Same temperature on the 6th.
f Same temperature on the 9th.
g Observations taken at 6 a. m., 12 m., and 7 p. m.
h Same temperature on the 3d.
i Observations taken at sunrise and 2 p. m.
j Same temperature on the 27th and 28th.
k Same temperature on the 28th.
l Observations taken at 6½ a. m., noon, and 6 p. m
m Same temperature on the 8th and 11th.
n Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 59.00.
o Hours of observation not given.
p Observations taken at sunrise, a 9. m., 12 m., 3 p. m., and sunset. Mean at 9 a. m., 64.65. Mean at 3 p. m., 66.60.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	53.20	62.70	55.90	57.27	14	77	....	.....	1	43	....	.....	....
CANADA EAST—													
St Martin's	57.6	74.2	60.9	64.23	19	88	13	73.5	1	41	8	50.7	3.8
CANADA WEST—													
Hamilton (*b*)	69.0	.....	67.5	68.25	....	85	28	78.50	....	53	8	55.5	....
MAINE—													
Carmel	60.8	78.0	58.2	65.43	5	90	20	72.7	1	42	1	52.3	5.9
Fryeburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.5
Perry (*c*)	52.5	63.8	53.4	56.57	15	72	12	62.7	1	37	10	52.0	7.0
Steuben	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.9
Windham	61.4	75.5	60.2	65.70	19	93	19	76.0	1	37	1	49.7	4.3
NEW HAMPSHIRE—													
Concord	61.1	74.2	66.2	67.17	5	86	28	74.7	1	46	23	57.0	3.7
Hanover	55.2	72.2	60.0	62.47	3	83	5	67.9	1	42	1	53.2	7.1
Exeter	57.2	72.7	59.0	62.97	5	*d* 84	19	70.0	4	46	1	56.0	5.5
Great Falls	60.1	75.0	59.0	64.70	5	90	19	75.3	1	*e* 48	23	54.3	5.2
Londonderry	60.4	74.5	62.3	65.73	5	*d* 85	19	74.3	1	49	23	55.3	5.0
Manchester	60 60	78.3	60.0	68.30	19	92	19	77.3	1	44	1	57.7	5.2
Salmon Falls	62.3	74.4	61.7	66.13	5	89	19	76.7	3	52	23	54.3	3.9
VERMONT—													
Brandon	58.2	70.9	62.1	63.73	5	85	5	72.5	1	44	10	52.0	3.5
Burlington	61.9	64.5	61.9	66.10	4	86	4	73.7	25	51	25	55.3	3.2
Castleton	61.8	74.1	63.8	66.57	5	90	7	77.3	30	44?	30?	55.3	4.4
Craftsbury	56.3	69.1	62.2	62.53	3	*f* 80	28	71.0	1	*g* 45	25	*h* 51.0	4.6
Fairfax	62.8	73.6	63.8	66.77	13	*i* 84	14	76.0	10	51	25	53.3	....
St. Johnsbury	55.0	71.8	60.9	62.57	5	*j* 82	19	71.3	1	32	1	48.7	3.4
MASSACHUSETTS—													
Amherst	61.0	75.5	63 9	66.80	19	87	19	76.7	1	40	1	53.6	4.7
Mendon	61.2	74.2	62.0	65.80	5	86	19	78.1	1	49	22	55.0	4.8
Nantucket	62.4	68.5	59.5	63.47	20	83	20	74.2	1	47	1	51.7	4.6
New Bedford	62.7	71.9	61.4	65.33	20	83	20	75.8	1	48	1	54.3	7.0
Newburyport	60.9	71.6	61.7	64.73	19	86	19	76.7	1	49	23	53.1	8.1
North Attleboro'	63.5	74.2	60.6	66.10	19	89	19	75.8	1	51	1	55.9	4.1
Princeton	59.7	69.2	60.8	63.23	19	82	20	70.7	22	*k* 51	22	52.7	5.1
Richmond	56.4	79.3	66.5	67.40	5	96	18	*l* 76.7	1	40	9	52.3	5.4
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.4
Springfield	61.6	76.1	65.5	67.73	19	88	19	76.3	1	46	1	54.0	3.9
Taunton	64.6	80.4	64.7	69 90	19	95	19	81.7	1	50	1	58.7	3.4
Worcester	63.0	73.7	64.9	67.20	28	87	28	78 5	1	49	22	55.3	3.8
RHODE ISLAND—													
North Scituate	61.1	72.6	62.1	65.27	19	86	19	77.7	1	49	1	54.7	5.3
Providence	61.0	75 1	61.5	65.9	19	88	19	74.0	1	46	1	55	5.5
CONNECTICUT—													
New London	63.1	74.6	63.6	67.10	20	91	20	78.2	1	50	1	54.0	....
Pomfret	62.2	72.2	61.8	65.4	19	84	19	75.3	1	45	1	52.7	4.8
Salisbury	63.6	76.4	63.3	67.77	28	88	28	76.0	1	50	1	58.0	....
Saybrook	63.5	74.0	63.2	66.90	20	85	20	76.0	1	52	1	57.0	4.2
West Cornwall	58.6	72.6	63.3	64.83	28	84	28	73.0	1	44	1	54.6	4.3
NEW YORK—													
Angelica	60.6	76.7	60.3	65.87	27	*m* 90	27	80.3	2	41	1	52.5	3.7
Baldwinsville	59.7	74.0	64.9	66.20	28	84	28	76.3	1	46	1	55.0	3.9
Beaver Brook (*n*)	60.7	77.7	66.7	68.37	27	92	27	79.00	1	*o* 48	22	58.67	5.2
Beverly	65.0	73.3	63.6	67.30	20	*p* 82	27	*p* 75.0	1	50	1	58.0	4.6

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken at sunrise, 7 a. m., and 2 p m. Mean at sunrise, 49 0.
d Same temperature on the 19th.
e Same temperature on the 3d.
f Same temperature on the 4th and 19th.
g Same temperature on the 26th.
h Same temperature on the 25th.
i Same temperature on the 15th.
j Same temperature on the 14th.
k Same temperature on the 23d.
l Same temperature on the 5th and 15th.
m Same temperature on the 29th.
n Observations taken at 5½ a. m., 12 m, and 7¼ p. m.
o Same temperature on the 2d.
p Same temperature on the 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo, [Salisbury](*a*)	50.9	67.2	58.5	58.87	5	77	11	65.3	1	40	1	54.7	4.2
Canton	61.6	75.5	63.9	67.00	18	90	19	783	1	48	9	54.7	5.2
Fishkill (*b*)	66.2	79.9	75.2	73.7	----	90	----	-------	----	53	----	-------	----
Gouverneur	62.1	76.7	61.3	66.70	18	*c*88	28	78.3	17	50	1	57.3	5.1
Leroy (*d*)	65.5	77.5	-------	71.50	27	90	20	77.0	1	51	1	51.0	4.2
Lodi	66.3	73.0	65.0	68.10	28	88	28	82.00	1	50	1	56.7	4.9
Madrid	61.5	71.9	60.8	64.73	18	85	28	74.6	1	49	8	52.0	4.5
New York city (*e*)	62.8	76.4	67.5	70.72	----	85	20	79.6	----	49	1	59.6	----
New York city, [D. & D. Inst.]	67.7	75.7	66.6	70.0	19	87	20	77.7	1	55	1	58.6	4.9
Penn Yan (*f*)	56.10	76.76	65.83	66.23	----	90	27	79.33	----	36	1	51.0	5.2
Sag Harbor	65.2	78.5	62.6	68.77	19	90	19	79.00	1	48	1	59.7	4.6
Troy	63.9	79.0	69.5	70.80	5	91	19	79.6	1	50	1	61.6	6.0
Wampsville	62.6	78.1	62.8	67.83	6	*g*89	28	79.0	1	47	1	58.0	4.4
NEW JERSEY—													
Bloomfield	64.1	78.1	64.3	68.83	19	88	28	77.3	1	48	1	57.3	4.6
Burlington	64.6	80.2	68.5	71.10	27	93	19	79.7	1	50	1	56.3	6.0
Lambertville	67.46	84.00	65.76	72.41	27	98	27	82.67	1	53	1	59.00	5.0
Newark	-------	-------	-------	69.47	----	------	27	78.5	---	-------	1	58.2	----
PENNSYLVANIA—													
Bedford	66.15	82.59	69.23	72.99	29	96	27	86.5	2	53	9	58.3	5.7
Brookville (*h*)	55.1	80.1	65.3	67.17	21	96	27	79.0	1	34	1	52.3	----
Gettysburg	65.6	80.6	68.9	71.70	27	*i*97	27	86.0	1	*j*53	9	59.7	4.3
Harrisburg (*k*)	68.7	82.5	74.6	75.27	28	96	27	87.7	1	56	10	67.7	4.2
Lima	66.4	77.2	66.6	70.07	27	90	27	81.5	1	52	1	56.6	4.9
Morrisville	63.8	77.2	65.2	68.73	27	94	27	78.3	1	52	1	56.7	3.3
Moss Grove	61.7	80.3	62.3	68.10	20	94	26	83.0	1	40	1	54.7	4.3
Norristown	64.9	78.8	67.8	70.50	28	93	27	80.3	2	52	1	57.5	4.8
Paradise	-------	-------	-------	77.00	----	----	----	-------	---	-------	----	-------	----
Philadelphia	68.2	79.7	71.5	73.13	27	94	27	83.0	1	54	1	60.3	5.1
Pittsburg, [M. H.] (*l*)	70 0	83.5	72.7	72.37	27	100	28	87.75	1	48	9	56.75	----
Pittsburg, [O. S.]	66.0	78.4	66.3	70.23	27	92	27	83.7	1	51	9	55.3	----
Pocopson (*m*)	61.8	81.8	-------	71.80	28	95	28	83.0	2	45	1	60.0	5.9
Randolph	65.2	82.3	63.7	70.40	20	*n*92	27	84.0	9	50	9	53.3	3.6
Warrior's Mark	61.3	76.7	63.6	67.20	27	91	27	82.4	1	43	1	55.9	4.7
West Haverford	60.3	80.2	-------	70.25	28	94	28	81.0	2	44	1	55.5	4.0
MARYLAND—													
Frederick	70.0	82.1	70.1	74.07	28	98	28	88.17	1	*j*56	1	60.5	3.8
Schellman Hall	67.2	79.1	67.9	71.40	27	94	27	*i*84.7	1	54	1	59.3	3.9
DISTRICT OF COLUMBIA—													
Washington	71.2	81.4	72.0	74.87	28	96	27	88.3	1	58	1	63.5	4.1
VIRGINIA—													
Alexandria	70.6	81.1	71.4	74.37	28	95	27	86.8	1	*j*57	1	61.2	3.9
Ashland	67.5	80.6	72.6	73.57	27	*o*93	28	85.7	8	55	8	59.7	2.3
Crichton's Store	72.8	80.0	-------	76.40	28	99	28	93.0	1	51	1	57.5	4.7
Lewisburg	65.4	79.8	67.6	70.93	27	92	27	83.0	1	52	1	59.0	3.5
Lynchburg	68.6	81.7	76.0	75.43	30	93	29	88.3	1	53	1	63.3	----
Winchester	69.9	81.2	69.9	73.67	27	96	27	87.0	1	54	1	58.3	4.3
NORTH CAROLINA—													
Chapel Hill	70.4	84.5	72.9	75.93	30	100	28	88.3	1	50	1	56.3	6.4
Thornbury	69.6	84.8	71.0	75.13	27	*i*99	30	87.9	1	52	1	55.8	4.9
SOUTH CAROLINA—													
Camden (*p*)	72.3	85.5	76.9	84.90	29	103	29	93.0	3	54	2?	63.00?	5.1
St. John's (*q*)	69.73	81.00	72.60	74.44	----	94	29	85.00	---	55	2	55.33	----

a No observations after the 14th.
b Observations taken at 7 a. m., noon, and 6 p. m.
c Same temperature on the 19th and 21st.
d Very imperfect.
e Observations at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 75.8; mean at sunset, 71.1.
f Observations taken at sunrise, 2 p. m., and sunset.
g Same temperature on the 29th.
h Observations taken at 5 a. m., noon, and 7 p. m.
i Same temperature on the 28th.
j Same temperature on the 2d.
k No observation at 9 p. m. on the 1st.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 63.30.
m Observations taken at daybreak and 2 p. m.
n Same temperature on the 27th.
o Same temperature on the 28th and 29th.
p No observation at 9 p. m. on the 1st.
q Observations taken at sunrise, 2 p. m., and 9 p. m.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
GEORGIA—	°	°	°	°		°		°		°		°	
Culloden	79.7	85.4	78.7	81.27	27	100 *a*	27	93.3	1	*b* 57	1	59.3	4.9
Savannah	74.3	85.1	76.4	78.60	28	100	29	88.6	2	55	2	56.0	5.2
Sparta	69.8	88 2	76 3	78.1	29	98	29	86.3	1	52	1	54.3	5.0
Whitemarsh Island	73.8	80.7	75.2	76.57	30	93	29	85.0	2	*c* 55	2	56.0	4.8
FLORIDA—													
Cedar Keys	80.0	84.9	81.1	82.00	27	91	29	87.0 *d*	3	65	3	70.3	4.4
Jacksonville	78.2	85.5	77.8	80.50	28	94 *e*	30	87.3 *f*	3	61	3	65.7	4.1
Key West	80.03	87.13	-------	83.58	11	91	11	86.50	2	*g* 78	20	79.0	4.7
Knox Hill	74.4	82.4	76.9	77.9	28	98	28	89 00 *h*	2	59	2	65.0	5.4
Warrington (*i*)	76.2	86.8	82.7	81.90	28	94	28	89.7	2	63	2	69.3	3.2
ALABAMA—													
Tuscaloosa	70.1	84.8	77.5	77.47	28	95	27	86.4	2	60	2	?	2.8
MISSISSIPPI—													
Garlandsville	78.4	91.3	79.3	83.00	28	103 *h*	29	92.3 *a*	2	64	2	65.5	4.1
Lake Washington	74.7	80.5	76.8	77.33	28	94	28	86.9	8	63	2	68.1	3.9
LOUISIANA—													
New Orleans (*j*)	74.4	83.9	77.5	78.60	28	*h*95	29	88.3	2	63	2	69.7	4.2
TEXAS—													
Austin	74.7	85.1	75.8	78.53	23	92	21	86.7	10	68	10	71.0	5.9
New Wied	79.0	91.4	77.0	82 47	17	100 *k*	17	88.4	10	70	10	72.7	5 1
TENNESSEE—													
Glenwood	67.6	79.5	71.8	72.97	30	92	30	84.0	9	54	9	60.6	4.0
Knoxville	67.0	79.0	71.4	72.47	30	88	30	83.0	8	56	8	62.5	3.5
Memphis	77.3	85.8	76.4	79.83	28	96 *l*	29	91.3	2	*m* 64	10	66.7	3.6
KENTUCKY—													
Ballardsville	69.0	79.9	73.2	74.03	27	92 *n*	30	85.3	8	52	8	52.7	4.3
Danville	71.4	80.8	69.9	74.03	28	95	28	85.0	8	54	8	56.3	3 1
Millersburg	65.9	80 9	67.5	71.43	27	95	28	84.3	8	50	8	52.7	4.5
Springdale	60.9	82.1	72.0	71.67	27	95 *a*	30	84.2	10	46	8	53.0	4.3
OHIO—													
College Hill (*o*)	67.0	71 1	68.0	68.70	20	87	20	82.8	7	*p* 51	8	?	3.3
Gallipolis	70.2	80.3	71.2	73.57	28	92	28	85.0	8	55	9	57.3	----
Germantown	66.53	79.6	66.5	70.87	27	94	28	83.7	1	51	8	52.9	4.5
Granville	65.1	77.5	67.7	70.10	27	91	27	82.3	2	50	8	53.7	4.1
Hillsborough	65.1	76.0	66.7	69.27	27	90	27	81.6	8	49	8	51.8	3.2
Huron	67.2	76.0	64.8	69.33	27	97	27	84.0	1	45	1	53.3	3.3
Jackson	69.1	84.0	68.7	73.93	27	96 *a*	27	83.0 *a*	8	*q* 54	8	57.0	4.4
Marietta	63.6	78.5	66.4	69.50	----	92	27	83.0	----	50	9	56.7	4.1
Oberlin	65.8	77.4	66.2	69.8	27	93	27	85.3	1	51	1	55.0	3.0
Perrysburg (*r*)	69.3	83.2	67.7	73.40	27	96	27	86.7	9	51	8	53.3	4.8
Richmond	-------	-------	-------	-------	----	----	----	-------	----	-------	----	-------	4.0
Savannah	75.4	83.0	65.0	74.47	28	100	26	88.00	1	*s* 52	9	56.7	3.9
Urbana (*t*)	62.4	81.07	-------	71.73	----	93	----	-------	----	44	----	-------	4.2
Yankeetown	63.8	-------	68.4	66.10	27	95	27	83.7	8	48	8	48.0	4.9
MICHIGAN—													
Ann Arbor, [Woodruff]	62.6	77.0	65.8	68.47	27	93	27	85.00	1	*b* 51	8	55.6	4.2
Ann Arbor, [Winchell]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	3.9
Battle Creek	65.8	81.3	66.0	71.03	27	96	27	87.3	1	50	7	53.0	3.2
Cooper	68.4	75.6	64.3	69.43	27	91	27	87.3	7	48	7	*q* 51.7	3.8
Detroit (*u*)	69.13	77.53	66.23	70.96	27	94	27	87.6	1	52	9	*v* 59.0	5.2
Flint	66.3	81.3	63.9	70.50	---	94	27	86.0	----	48	7	50.0	----
Grand Rapids	64.2	75.9	66.9	69.00	27	89	27	84.0	7	48	7	49.7	3.8
Monroe, [Whelpley]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.0
Saugatuck	61.36	73.63	62.30	65.76	----	91	----	-------	----	48	----	-------	----

a Same temperature on the 28th.
b Same temperature on the 2d.
c Same temperature on the 3d
d Same temperature on the 30th.
e Same temperature on the 30th and 31st.
f Same temperature on the 26th.
g Same temperature on the 3d, 4th, 5th, 20th, 21st, 22d, and 28th.
h Same temperature on the 29th.
i Observations taken at sunrise, noon, and sunset.
j No observations from the 17th to the 25th, inclusive.
k Same temperature on the 24th and 29th.
l Same temperature on the 29th and 30th.
m Same temperature on the 9th and 10th.
n Same temperature on the 28th and 30th.
o No observations after the 21st.
p Same temperature on the 8th.
q Same temperature on the 9th.
r Observations taken at 7 a. m., 1 p. m., and 9 p. m.
s Same temperature on the 8th and 9th.
t Observations taken at sunrise and 2 p. m.
u Observations taken at 8 a. m., 2 p. m., and 9 p. m.
v Same temperature on the 1st.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1854– Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
INDIANA—	°	°	°	°		°		°		°		°	
Kendallville (*a*)	69. 0	80. 0	66. 3	71. 77	27	94	27	88. 0	8	48	8	50. 3	3. 3
La Fayette	68. 1	81. 6	68. 6	72. 77	27	97	27	86. 00	7	*b* 48	8	52. 0	4. 6
Milton	68. 3	79. 8	66. 8	71. 63	27	96	27	85. 3	8	50	8	50. 7	3. 7
New Harmony	71. 1	83. 7	71. 8	75. 53	30	97	30	88. 3	8	51	8	56. 3	4. 7
Richmond (*c*)	69. 3	79. 7	66. 7	71. 90	27	94	27	85. 3	8	50	8	50. 7	4. 8
ILLINOIS—													
Athens	68. 4	80. 4	69. 6	72. 80	26	*d* 92	27	85. 7	7	46	7	52. 7	4. 2
Augusta	66. 5	78. 9	69. 3	71. 57	26	*d* 91	27	84. 0	7	46	7	53. 3	3. 6
Batavia	63. 5	76. 7	66. 8	69. 00	26	93	26	85. 0	1	42	7	47. 0	3. 1
Ottawa	69. 4	78. 9	67. 3	71. 87	29	93	27	86. 00	7	46	7	49. 3	5. 1
Upper Alton	69. 5	79. 0	70. 9	73. 13	27	*e* 90	29	84. 7	7	50	7	56. 3	2. 4
MISSOURI—													
Hannibal	70. 3	79. 9	70. 0	73. 40	29	*f* 92	29	84. 67	7	47	7	51. 7	4. 2
St. Louis	71. 4	83. 8	74. 4	76 53	27	96	27	88. 0 *g*	8	50	7	57. 3	3. 1
WISCONSIN—													
Bellefontaine	64. 97	78. 67	66 77	70. 14	26	95	28	86. 67	7	45	7	45. 33	4. 7
Beloit	66. 1	78. 8	66 3	70. 40	26	*h* 92	27	86. 0	7	*i* 45	7	46. 7	2. 4
Janesville	64. 7	77. 5	64. 7	68. 97	26	*h* 92	27	85. 3	7	44	7	45. 0	4. 2
Madison	64. 4	74. 1	64. 6	67. 70	26	89	27	82. 8	7	44	7	44. 3	3. 4
Milwaukie	65. 2	70. 7	62. 7	66. 20	27	91	27	86. 0	8	43	7	44. 0	3. 7
Platteville	68. 1	83. 0	67. 2	72. 77	23	100	27	86. 3	7	46	7	46. 3	4. 9
IOWA—													
Dubuque	65. 0	77. 4	68. 3	70. 23	26	*h* 92	27	86. 0	7	42	7	45. 0	4. 9
Fort Madison (*j*)	71. 5	83. 5	74. 0	76. 33	19	100	26	89. 6	7	47	7	50. 0	4. 0
Muscatine	61. 70	79. 63	65. 73	69. 02	26	*h* 92	27	82. 33	7	43	7	47. 0	3 4
Pella (*k*)	58. 0	81. 9	-------	69. 95	26	92	26	81. 0	8	39	7	48. 0	...
Poultney (*l*)	62. 4	78. 3	62. 3	67. 67	23	96	27	82. 3	7	41	7	43. 0	5. 2
Quasqueton	66. 0	78. 8	68. 3	71. 03	23	94	27	85. 6	7	43	7	44. 1	4. 7
MINNESOTA—													
St Anthony's Falls	62. 9	77. 8	62. 5	67. 73	26	*h* 92	26	82. 0	6	*m* 42	6	46. 0	3. 1
St. Joseph's	59. 9	73. 9	63. 4	65. 77	13	88	13	75. 7	22	48	22	51. 67	5. 3
NEBRASKA—													
Fort Pierre (*n*)	62. 5	73. 9	67. 8	68. 07	18	85	18	74. 3	7	*b* 54	3	61. 3	5. 1
Fort Union (*o*)	60. 4	75. 0	66. 4	67. 27	30	86	25	77. 3	6	*p* 53	6	58. 3	----
CALIFORNIA—													
Sacramento, [Hatch] (*q*)	54. 1	76. 0	65. 3	66. 86	----	87	10	78. 2	----	46	6	56. 2	----
Sacramento, [Logan]	-------	-------	-------	67. 0	----	90	----	-------	----	49	----	-------	----
San Francisco (*r*)	50. 10	66. 80	51. 50	57. 56	----	-------	----	-------	----	-------	---	-------	----
Stockton	60. 9	82. 6	63. 7	69. 07	----	88	10	76. 3	----	50	6	57. 0	----
MEXICO—													
Mirador (*s*)	-------	-------	-------	73. 87	----	------	----	81. 50	----	-------	----	66. 91	----
SOUTH AMERICA—													
Assumption	-------	-------	-------	-----	----	------	---	-------	----	-------	----	-------	3. 8
Colonia Tovar (*t*)	56. 90	67. 50	61. 40	63. 00	9	78	9	68. 40	23	54	20	58. 40	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*s*)	-------	------	-------	87. 42	----	105	----	-------	----	71	----	-------	----

a Imperfect.
b Same temperature on the 8th.
c Observations taken at 7 a. m., 1 p. m , and 9 p. m.
d Same temperature on the 27th and 29th.
e Same temperature on the 29th and 30th.
f Same temperature on the 30th.
g Same temperature on the 29th.
h Same temperature on the 27th.
i Same temperature on the 8th.
j Observations taken at 6 a. m., noon, and 7 p. m.
k Observations taken at sunrise and 2 p. m.
l Observations taken at 6 a. m., 1 p. m., and 8 p. m.
m Same temperature on the 7th.
n No observations after the 21st; observations at 8 p. m.
o Observations taken at 6½ a. m., noon, and 6 p m.
p Same temperature on the 7th and 28th.
q Observations taken at sunrise, noon, sunset, and 10 p. m.; mean at sunset, 72.05.
r Observations taken at sunrise, 9 a. m., noon, and 10 p. m ; mean at 9 a. m , 61.83.
s Hours of observation not given.
t Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset; mean at 9 a. m , 63.10; mean at 3 p. m., 66.10.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	61. 10	65. 00	63. 60	63. 23	21	84	----	-------	1	53	----	-------	----
CANADA EAST--													
St Martin's	73. 2	87. 4	70. 4	77. 00	19	*b* 98	8	86. 0	12	57	2	64. 5	1. 7
CANADA WEST—													
Hamilton (*c*)	75. 6	-------	75. 0	75. 30	----	86	19	82. 5	----	63	12	64. 0	----
MAINE—													
Carmel	69. 7	85. 3	66. 6	73 87	20	96	4	82. 7	1	*d* 55	13	66. 0	4. 4
Fryeburg	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	3. 3
Perry (*e*)	62. 0	72. 5	64. 1	66. 2	5	86	5	75. 3	28	50	1	59. 3	4. 8
Steuben	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4. 9
NEW HAMPSHIRE—													
Concord	69. 0	75. 3	70. 7	71. 67	20	*f* 94	3	84. 3	12	*g* 58	14	60. 0	3. 0
Hanover	62. 4	79. 9	67. 1	69. 80	20	89	4	78. 1	28	51	12	61. 5	4. 1
Exeter	64. 5	77. 8	68. 3	70. 20	4	92	4	80. 0 *h*	14	*i* 54	15	58. 0	4. 2
Londonderry	68. 4	80. 4	70. 5	73. 1	20	93	4	83. 6	14	54	14	56. 0	4. 3
Manchester	67. 5	85. 5	73. 9	75. 63	20	103	4	86. 3?	28	55	14	61. 8?	4. 5
Salmon Falls	70. 8	84. 4	71. 3	75. 50	4	96	4	85. 5	14	58	14	61. 8	4. 4
VERMONT--													
Brandon	67. 7	80. 5	70. 4	72. 87	2)	92	20	82. 9	2	*j* 57	1	64. 3	3. 3
Burlington	71. 0	86. 0	71. 8	76. 27	20	98	4	85. 0	6	61	1	67. 3	1. 7
Castleton	71. 7	85. 4	70. 9	76. 00	20	102	20	90. 0	13	55	1	65. 3	2. 9
Craftsbury	64. 7	80. 8	70 6	72. 03	20	94	20	85. 0	13	55	?	?	3. 5
St. Johnsbury	64. 4	80. 1	69. 3	71. 27	4	*b* 90	4	80. 0	2	36	1	62. 0	2. 1
MASSACHUSETTS—													
Amherst	68. 9	82. 0	71. 8	74. 23	4	94	4	85. 10	14	58	12	*d* 65. 7	3. 9
Mendon	70. 5	81. 3	69. 6	73. 80	4	98	4	83. 1	14	54	14	57. 1	4. 6
Nantucket	70. 0	77. 0	68. 2	71. 73	19	89	4	77. 7	16	*h* 60	15	63. 6	4. 3
New Bedford	69. 4	78. 5	69. 0	72. 30	5	92	5	82. 2	15	59	14	60. 8	6. 4
Newburyport	67. 7	80. 5	69. 2	72. 47	4	98	5	85. 0	14	56	14	57. 0	6. 0
North Attleboro'	70. 8	80. 7	68. 2	73. 23	----	96	4	85. 9	----	56	14	57. 7	4. 8
Princeton	66. 9	77. 1	68. 8	70. 93	4	89	4	81. 2	15	53	14	53. 9	4. 7
Richmond (*k*)	62. 8	85. 9	72. 4	73. 33	4	*l* 96	4	80. 7	11	54	13	65. 7	4. 5
Southwick	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4. 1
Springfield	68. 5	82. 9	73. 7	75. 03	4	*f* 95	4	87. 0	14	55	14	58. 3	3. 8
Taunton	74. 1	86. 1	74. 2	77. 13	4	100	4	90. 3	14	59	14	60. 7	2. 9
Worcester	70. 9	80. 3	73. 4	74. 87	4	93	4	87. 8	15	53	14	56. 0	3. 2
RHODE ISLAND—													
Providence	67. 8	81. 4	69. 4	72. 9	4	94	4	83. 7	16	51	14	58. 0	4. 5
CONNECTICUT—													
New London	71. 3	83. 3	71. 0	75. 20	20	92	4	83. 0	14	62	14	64. 7	4. 3
Pomfret	69. 2	78. 7	68. 4	72. 10	4	*f* 90	4	82. 7	14	55	14	57. 0	4. 1
Salisbury	69. 6	83. 8	69. 8	74. 4	9	93	4	85. 7	15	60	14	64. 3	----
Saybrook	70. 0	82. 2	72. 0	74. 33	7	94	26	81. 67	2	62	14	64. 3	4. 1
West Cornwall	64. 1	80. 0	69. 4	71. 17	20	90	20	82. 6	14	*i* 56	14	60. 6	4. 2
NEW YORK—													
Angelica	64. 9	84. 6	68. 5	72. 67	20	94. 5	25	86. 0	11	51	12	*j* 61. 6	2. 2
Baldwinsville	66. 2	79. 5	71. 5	72. 4	19	*b* 88	20	81. 0	13	55	13	*m* 64. 6	2. 5
Beaver Brook (*n*)	65. 7	85. 1	77. 2	76. 00	21	95	21	85. 3	28	52	13	68. 0	----
Beverly	71. 4	80. 7	73. 8	78. 66	21	94	21	84. 3	14	61	14	64. 0	4. 8
Buffalo, [Hunt]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	1. 7
Buffalo, [Salisbury] (*o*)	66. 3	80. 5	70. 6	72. 47	----	-------	----	-------	----	-------	----	-------	3. 1
Canton (*p*)	69. 8	84. 3	72. 9	75. 67	8	91	17	85. 3	13	60	1	68. 0	3. 0
Fishkill (*q*)	72. 5	86. 5	85. 5	81. 50	----	101	----	-------	----	63	----	-------	----
Gouverneur	71. 4	87. 2	70. 7	76. 43	22	97	20	86. 7	13	50	13	62. 0	4. 3
Leroy (*r*)	70. 7	83. 7	-------	-------	8	92	8	?	12	56	12	?	3. 1

a Observations taken at 6 a. m., 3 p. m , and 8 p. m.
b Same temperature on the 20th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 10th.
e Observations taken at sunrise, 7 a. m., 2 and 9 p. m. Mean at sunrise, 57.10.
f Same temperature on the 21st.
g Same temperature on the 14th.
h Same temperature on the 5th.
i Same temperature on the 15th.
j Same temperature on the 13th.
k Observations omitted from the 22d to the 29th.
l Same temperature on the 19th and 20th.
m Same temperature on the 27th.
n Observations taken at 5 a. m., noon, and 7½ p. m.
o Observations taken at sunrise, 2 p. m., and 9 p. m. Very imperfect.
p No observations after the 18th of the month.
q Observations taken at 7 a. m., noon, and 6 p. m.
r Very imperfect.

No. 20 —THERMOMETER AND FACE OF SKY, JULY, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Lodi	72. 2	83. 1	72. 1	75. 80	22	93	20	86. 0	10	58	10	63. 0	3. 2
Madrid	73. 6	83. 5	70. 4	75. 83	19	92	4	86. 0 ?	1	60	13	?	3. 2
New York city (*a*)	71. 5	83. 3	76. 2	78. 39	----	102	19	88. 6	----	72	10	79. 0	----
New York city, [D. & D. Ins]	74. 4	82. 2	75. 0	77. 20	----	95	20	86. 6	----	60	14	69. 0	4. 7
Penn Yan (*b*)	63. 52	83. 39	72. 93	73. 28	----	95	20	79. 67	----	51	13	65. 33	4. 7
Sag Harbor	71. 3	82. 7	70. 1	74. 70	----	94	4	85. 7		61	14	65. 0	4. 7
Spencertown	69. 8	85. 0	71. 4	74. 73	20	98	21	85. 5	14	56	14	63. 0	2. 8
Troy	71. 9	87. 7	78. 3	79. 30	20	100	20	89. 8	20	59	14	69. 9	4. 7
Wampsville	69. 3	84. 4	69. 7	74. 47	8	*c* 94	21	84. 0	12	*d* 58	10	*e* 66. 0	4. 2
NEW JERSEY—													
Bloomfield	72. 2	84. 0	71. 5	75. 90	21	101	21	87. 0	12	61	11	60. 3	3. 9
Burlington	71. 7	84. 4	74. 5	76. 87	21	98	21	87. 0	14	63	12	*f* 70. 0	4. 3
Lambertville	73. 89	89 11	71. 60	78. 20	21	100	21	88. 50	14	63	14	66. 25	5. 7
Newark (*g*)	-------	-------	--- ---	75. 72	21	98	21	86. 62	28	57	14	62. 9	----
PENNSYLVANIA—													
Bedford	71. 9	83. 7	75. 9	78. 83	20	100 *h*	20	88. 0	11	60	11	70. 3	5. 2
Brookville	70. 0	87. 7	68. 2	75. 30	21	100 *i*	19	84. 6 *j*	13	52	13	63. 3	----
Freeport	73. 1	89. 1	76. 6	79. 60	22	102	20	88. 7	9	*k* 60	10	68. 7	3. 1
Gettysburg	72. 8	88. 0	76. 2	79. 00	21	100	21	88. 0	12	64	13	71. 0	3. 5
Harrisburg	77. 0	82. 6	82 3	80. 63	22	100	21	90. 6 *i*	12	*l* 70	11	*m* 78. 6	3. 3
Lima	73. 8	83. 5	72. 5	79 93	21	95	7	89. 1	16	63	13	67. 7	4. 2
Morrisville	70. 3	83. 0	71. 7	75. 00	21	98	21	85. 0	13	62	14	65. 0	2. 7
Moss Grove	67. 9	88. 2	66. 0	74. 03	21	102	20	82. 0	10	*m* 52	12	62. 7	2. 5
Norristown	72. 2	84. 7	73. 7	76. 87	21	97	21	85. 6	14	63	14	67. 3	3. 9
Paradise	-------	-------	------	84. 0	----	-----	----	-------	----	----	----	-------	----
Philadelphia	75. 4	86. 5	78. 2	80. 37	21	99	21	91. 3	13	*n* 67	14	69. 8	4. 7
Pittsburg, [M. H.] (*o*)	77. 5	86. 5	82. 9	81. 26	22	96	20	88. 0	13	68	13	72. 2	----
Pittsburg, [O. S.]	71. 8	86. 5	75. 5	77. 93	20	*h* 98	22	87. 3	13	59	12	67. 7	----
Pocopson (*p*)	70. 77	88. 85	-------	79. 81	21	101	21	88. 5	----	60	14	72. 2	5. 0
Randolph	72. 2	87. 5	69. 3	76. 33	21	103	20	87. 0	10	55	10	64. 7	2. 8
Warrior's Mark	68. 0	85. 0	69. 4	74. 13	20	97	19	82. 6	15	51	14	62. 8	3. 2
West Haverford (*q*)	69. 1	85. 9	-------	77. 50	21	98	21	89. 5	---	60	15	70. 0	3. 1
MARYLAND—													
Frederick	76. 5	89. 1	78. 4	81. 33	21	100	21	90. 7	14	67	13	71. 5	4. 1
Schellman Hall	74. 6	85. 6	75. 7	78. 63	21	97	21	87. 6	13	65	13	69. 3	4. 0
DISTRICT OF COLUMBIA—													
Washington	75. 2	89. 4	79. 0	81. 2	21	100	20	89. 8	13	67	13	68. 5	4. 2
VIRGINIA—													
Alexandria (*r*)	76. 6	87. 3	78. 6	80. 83	21	99	21	89. 8	13	67	13	69. 0	4. 1
Ashland	72. 6	87. 6	79. 5	79. 90	21	100	31	87. 33	11	*f* 64	10	*s* 72. 0	2. 0
Crichton's Store (*t*)	76. 8	88. 8	84. 0	83. 2	5	102	5	93. 3	13	68	13	68. 7	5. 6
Lewisburg	73. 4	90. 3	75. 3	79. 70	18	99 *u*	5	85. 0	12	*l* 64	12	71. 3	3. 2
Lynchburg	77. 6	90. 4	83. 4	83. 80	4	96 *v*	20	90. 7	11	67	11	71. 3	----
Montcalm (*w*)	79. 14	93. 24	77. 77	83. 38	21	106	----	?	29	70	----	?	4. 8
Smithfield	-------	-------	-------	79. 21	----	94	5	87. 25	----	65	13	72. 0	----
NORTH CAROLINA—													
Chapel Hill	76. 3	88. 9	78. 0	81. 07	6	100	5	89. 6	13	*x* 68	13	71. 6	4. 9
Thornbury (*y*)	75. 1	87. 6	75. 9	79. 53	5	100	5	88. 9	12	*l* 68	13	69. 7	5. 0
SOUTH CAROLINA—													
Camden	79. 2	88. 1	80. 1	82. 47	6	96	6	87. 3	28	71	28	74. 5	5. 0
St. John's (*z*)	73 71	82. 58	76. 39	77. 56	---	93	9	85. 33	----	68	27	73. 67	----

a Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 81.97; mean at sunset, 79.00.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 20th.
d Same temperature on the 28th.
e Same temperature on the 27th.
f Same temperature on the 15th.
g Observations taken at 7 a. m. and 5 p. m.
h Same temperature on the 21st.
i Same temperature on the 22d.
j Same temperature on the 4th.
k Same temperature on the 10th and 13th.
l Same temperature on the 13th.
m Same temperature on the 12th.
n Same temperature on the 14th.
o Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 78.13.
p Observations taken at daybreak and 2 p. m.
q Observations taken at 7 a. m. and 2 p. m.
r No observations for the first six days.
s Same temperature on the 11th.
t Observations taken at 6½ a. m., noon, and 6½ p. m.
u Same temperature on the 20th and 21st.
v Same temperature on the 31st.
w Imperfect.
x Same temperature on the 26th.
y Observations omitted after the 25th.
z Observations taken at sunrise, 2 p. m., and 9 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1854—Continued.

NAME AND STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—	°	°	°	°		°		°		°		°	
Augusta	76.8	88.0	81.9	82.23	1	94	1	83.0	22	*a*70	28	75.3	1.6
Richmond Hill	76.9	92.9	78.3	82.70	17	*b*98	16	87.3	27	70	28	71.6	5.1
Savannah	77.9	90.0	80.1	82.67	9	101	9	88.0	12	73	12	76.3	4.4
Sparta	73.7	92.8	79.1	81.87	21	98	18	88.0	14	*c*69	27	76.0	4.9
Whitemarsh Island	77.2	87.2	77.8	80.73	9	96	9	87.1	22	71	12	75.0	3.4
FLORIDA—													
Cedar Keys	82.6	87.0	83.5	84.37	9	*d*90	9	88.0	23	*e*77	24	79.7	4.0
Jacksonville	81.6	87.6	80.8	83.33	9	95	10	89.3	28	73	12	76.7	2.9
Key West	80.36	88.11	------	84.23	20	91	5	*f*88.7	9	*b*78	19	81.0	4.6
Knox Hill	77.19	85.84	78.20	80.41	5	94	2	85.0	20	*g*73	26	75.7	5.4
Warrington (*h*)	81.8	88.1	85.7	85.20	1	*i*93	17	91.6	21	*j*76	21	79.3	4.2
ALABAMA—													
Tuscaloosa	77.1	88.6	79.9	81.53	18	95	1	86.0	13	72	12	73.9	3.8
MISSISSIPPI—													
Garlandsville	80.7	94.3	81.9	85.63	1	106	1	92.5	12	*k*74	12	76.3	4.2
Lake Washington	76.7	89.1	79.4	81.73	1	*l*93	1	85.5	12	72	11	76.6	4.1
Vicksburg	80.0	90.2	80.4	83.53	----	95	1	89.7	----	70	12	*m*76.7	1.9
LOUISIANA—													
New Orleans	75.9	84.8	79.3	80.00	18	91	18	83.7	21	73	19	*n*76.3	4.1
TEXAS—													
Austin	76.?	88.5	77.0	80.57	25	95	20	*o*83.6	13	*p*70	13	75.3	5.0
New Wied	81.0	94.9	77.7	81.43	21	*q*102	19	88.6	21	72	10	79.0	6.5
TENNESSEE—													
Glenwood	75.8	87.9	77.7	80.50	21	95	25	86.67	11	68	11	71.80	3.6
Knoxville	76.7	85.3	74.7	78.90	18	93	1	82.7	15	67	26	73.6	3.8
Memphis	83.8	91.3	81.8	85.63	1	*r*97	1	92.3	10	*s*72	10	76.5	1.2
KENTUCKY—													
Ballardsville	77.1	89.4	80.5	82.33	4	*t*98	20	88.7	10	67	10	72.7	2.7
Danville	76.0	88.0	79.2	81.07	18	94	20	*u*85.3	27	68	10	73.3	----
Springdale	65.5	91.8	80.9	79.40	20	*n*101	31	87.3	11	*v*53	11	68.5	2.7
OHIO—													
College Hill	81.1	86.6	79.4	82.37	21	96	31	88.8	10	68	10	72.8	2.1
Gallipolis	74.7	86.4	81.5	80.87	21	*w*94	31	88.6	11	65	11	*x*72.6	----
Germantown	71.4	88.0	72.1	77.17	20	98	30	85.5	12	57	13	66.9	3.1
Hillsborough	70.4	87.9	74.5	77.60	21	98	31	84.6	13	58	12	68.6	1.4
Jackson	73.1	90.6	73.8	79.17	21	101	31	86.3	11	62	11	69.7	4.0
Marietta	69.3	86.2	73.2	76.23	30	94	4	82.7	13	56	13	67.3	2.7
Oberlin	70.8	86.3	72.9	76.67	19	100	20	87.0	13	56	12	63.7	2.4
Perrysburg (*y*)	75.5	91.4	74.6	80.50	17	*l*99	31	88.0	12	59	12	67.0	3.3
Richmond	------	------	------	------	----	------	----	------	----	------	----	------	3.2
Savannah	85.1	92.7	72.1	83.30	18	*z*102	19	92.0	10	*x*54	9	73.3	2.7
Urbana (*aa*)	66.77	88.29	80.4	77.53	----	97	----	------	----	55	----	------	2.5
Zanesville	71.0	91.0	78.00	80.09	20	104	20	88.0	13	62	13	70.0	3.6
MICHIGAN—													
Ann Arbor, [Woodruff]	68.6	84.4	72.3	75.10	31	97	31	85.3	13	56	12	62.0	2.9
Ann Arbor, [Winchell]	------	------	------	------	----	------	----	------	----	------	----	------	3.1
Battle Creek	72.8	88.7	75.2	78.90	31	100	31	90.0	27	51	12	63.0	2.3
Cooper	75.0	80.0	74.9	77.97	5	*w*94	19	86.3	12	56	12	63.3	2.6
Detroit (*bb*)	75.95	83.77	70.44	76.72	19	96	4	87.67	12	57	12	61.67	?3.4
Flint	72.7	85.4	69.4	75.83	----	99	----	------	----	55	----	------	----
Grand Rapids	74.3	83.4	74.5	77.40	3	94	31	86.0	27	51	26	63.3	3.3

a Same temperature on the 23d and 28th.
b Same temperature on the 19th.
c Same temperature on the 26th and 29th.
d Same temperature on the 17th.
e Same temperature on the 29th.
f Same temperature on the 6th.
g Same temperature on the 28th.
h Observations taken at sunrise, noon, and sunset.
i Same temperature on the 5th, 6th, 7th, and 17th.
j Same temperature on the 24th and 31st.
k Same temperature on the 13th and 28th.
l Same temperature on the 20th.
m Same temperature on the 13th.
n Same temperature on the 21st.
o Same temperature on the 25th.
p Same temperature on the 14th and 15th.
q Same temperature on the 26th.
r Same temperature on the 24th and 25th.
s Same temperature on the 11th.
t Same temperature on the 17th, 20th, and 30th.
u Same temperature on the 30th.
v Same temperature on the 16th.
w Same temperature on the 31st.
x Same temperature on the 12th.
y No observations after the 22d of the month.
z Same temperature on the 19th and 20th.
aa Observations taken at sunrise and 2 p. m.
bb Observations taken at 8 a. m., 2 and 9 p. m. The 9 p. m. observations were omitted after the 17th.

No 20.—THERMOMETER AND FACE OF SKY, JULY 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Monroe, [Whelpley]	----	----	----	----	----	----	----	----	----	----	----	----	4.2
St. James	68.5	73.3	64.6	68.80	17	90	17	80.67	11	54	12	56.0	5.0
Saugatuck	72.22	84.0	72.26	76.16	----	94	----	----	----	56	----	----	----
INDIANA—													
Kendallville	75.16	90.3	71.4	78.95	21	102	18	88.7	9	*a* 55	26	*b* 65.3	1.9
Logansport	77.1	90.0	80.7	82.60	30	100	30	93.3	10	*c* 64	26	71.33	2.9
Milton	72.8	89 4	75.9	79.33	30	97	30	87.7	13	61	9	71.33	1.3
New Harmony	78.4	92.9	79.2	83.50	25	*d*100	30	90.0	26	66	10	72.3	3.0
Richmond (*e*)	71.2	89.2	70.0	76.80	19	*f*100	21	87.0	12	62	12	67.3	3.7
ILLINOIS—													
Athens	76.16	90.8	77.4	81.45	17	*g* 97	31	89.0	27	65	10	70.6	3.1
Augusta	64.0	89.1	76.9	76.67	29	*h* 98	31	88.3	10	61	9	68.0	1.9
Batavia (*i*)	70.1	82.8	73.0	75.3	7	*j* 95	7	85.0	27	53	27	60.3	1.7
Manchester (*k*)	77.3	90.3	80.5	82.70	17	*l* 98	31	89.7	10	*m* 67	9	71.0	2.9
Ottawa	76.5	88.38	74.3	79.73	3	97	3	88.0	12	61	21	67.3	3.7
Upper Alton	76.5	89.9	78.1	81.50	29	99	31	89.3	10	65	9	69.3	4.9
MISSOURI—													
Hannibal	78.4	91.0	77.0	82.13	18	*h*102	18	88.6	10	63	12	*c* 70.6	2.5
St. Louis	77.9	92.7	81.5	84.03	20	*n*100	31	90.5	10	65	9	71.2	1.5
WISCONSIN—													
Bellefontaine	71.5	82.2	73.4	75.75	18	96	31	*o*87.0	13	58	24	65.3	4.5
Beloit	72.5	84.4	72.9	76.60	2	*p* 94	18	88.0	12	58	21	65.0	3.1
Ceresco	73.0	79.48	67.11	73.20	18	98	18	89.3	26	53	26	61.0	5.3
Janesville	71.4	85.9	72.7	76.67	18	98	18	87.0	21	*m* 58	26	*q* 65.0	4.5
Milwaukie, [Lapham]	72.2	78.3	71.8	74.10	3	93	3	86.7	21	57	12	*f* 62.3	3.0
Milwaukie, [Pickard] (*r*)	73.48	87.71	74.67	78.62	18	100	3	89.33	10	58	9	67.0	4.3
Platteville	73.5	87.7	74.7	78.63	18	100	3	89.1	10	58	21	69.1	4.2
IOWA—													
Dubuque	72.2	84.7	74.9	77.27	2	99	31	87.7	9	*s* 61	21	67.7	3.9
Fort Madison (*t*)	80.6	94.8	81.9	85.77	17	105	17	95.0	9	60	9	67.0	3.1
Muscatine	68.35	87.81	73.0	76.39	30	*h*98	30	84.67	10	46	10	62.0	3.5
Pella	71.1	87.9	72.2	77.07	30	*h*96	17	84.67	9	56	9	60.3	----
Poultney (*u*)	70.4	82.9	67.7	73.67	17	*v* 92	3	83.3	11	55	26	63.0	4.2
Quasqueton	72.3	84.6	72.9	76.60	18	95	18	86.23	9	60	9	66.0	4.2
MINNESOTA—													
Lac qui Parle (*w*)	70.9	80.4	68.3	73.20	27	*x*89	31	81.0	8	58	8	61.7	4.3
St. Anthony's Falls	68.3	82.5	69.2	73.33	2	93	30	88.0	11	52	8	60.7	4.1
St. Joseph's	68.3	72.4	64.2	65.63	26	80	6	70.6	2	*y* 56	20	60.0	4.2
CALIFORNIA—													
Sacramento, [Hatch] (*x*)	61.2	88.7	74.9	76.24	----	----	----	----	----	----	----	----	----
Sacramento, [Logan]	----	----	----	80.63	----	101	----	----	----	51	----	----	----
San Francisco (*aa*)	51.87	70.65	54.16	60.15	----	----	----	----	----	----	----	----	----
Stockton (*bb*)	69.0	89.77	73.71	77.49	----	98	24	85.33	----	62	20	68.0	----
MEXICO—													
Mirador	----	----	----	69.12	----	----	----	73.24	----	----	----	65.37	----
CENTRAL AMERICA—													
Truxillo, Honduras (*cc*)	82.7	82.8	----	82.75	----	88	?	?	----	78	?	?	----
SOUTH AMERICA—													
Assumption	64.29	69.45	66.32	66.69	----	80	12	73.7	----	54	26	56.7	5.3
Colonia Tovar (*dd*)	56.30	66.60	60.10	62.40	7	75	7	68.20	2	52	12	59.0	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*ee*)	----	----	----	92.13	----	109.6	----	----	----	76.6	----	----	----

a Same temperature on the 12th and 26th.
b Same temperature on the 12th.
c Same temperature on the 26th.
d Same temperature on the 30th.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 21st.
g Same temperature on the 18th, 19th, 29th, 30th, and 31st.
h Same temperature on the 31st.
i Observations omitted from the 13th to the 19th.
j Same temperature on the 19th.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.
l Same temperature on the 29th and 31st.
m Same temperature on the 27th.
n Same temperature on the 29th.
o Same temperature on the 18th.
p Same temperature on the 3d and 17th.
q Same temperature on the 25th.
r Observations omitted after the 21st.
s Same temperature on the 20th.
t Observations taken at 6 a. m., 12 m., and 7 p. m.
u Observations taken at 6 a. m , 1 p m., and 8 p. m.
v Same temperature on the 18th and 31st.
w No observations for the first five days.
x Same temperature on the 28th and 31st.
y Same temperature on the 9th and 20th.
z Observations taken at sunrise, noon, sunset, and 10 p. m. Mean at sunset 80.17.
aa Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m. 63.94.
bb Observations taken at 8 a. m., 2 p. m., and 9 p. m.
cc Observations taken at 9 a. m. and 3 p. m
dd Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset. Mean at 9 a. m. 64.00. Mean at 3 p. m 65 00.
ee Hours of observation not known.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	56.60	60.90	58.80	58.77	1	79	----	------	28	47	----	-------	----
CANADA EAST—													
St. Martin's	62.6	77.7	63.5	67.93	12	91	4	77.5	28	52	26	55.7	3.6
CANADA WEST—													
Hamilton (*b*)	71.3	------	70.0	70.65	----	85	22	81.0	----	60	7	63.0	----
MAINE—													
Carmel (*c*)	57.0	76.4	54.6	62.67	20	87	20	73.0	27	*d* 44	28	54.7	4.0
Fryeburg	------	------	------	------	----	----	----	------	----	------	----	-------	3.6
Perry (*e*)	57.8	69.2	59.5	62.17	2	93	2	77.0	29	43	28	54.3	3.4
Steuben	59.7	72.6	57.8	63.37	2	89	2	78.0	28	45	28	53.3	5.1
NEW HAMPSHIRE—													
Concord	61.7	79.3	67.7	69.57	1	*f* 90	2	81.7	30	47	28	59.7	2.3
Hanover	56.6	76.1	66.2	66.30	24	87	24	77.4	29	45	28	59.2	4.0
Exeter	59.4	76.0	61.8	65.73	22	87	2	77.0	30	46	28	57.3	3.5
Great Falls	60.5	81.5	62.9	68.30	2	92	2	79.0	29	*g* 48	29	58.0	2.3
Londonderry	55.2	78.1	66.1	69 80	----	88	2	78.3	----	52	27	58.0	2.9
Manchester	60.0	81.4	69.9	70.43	13	93	13	80.7	30	49	29	60.3	4.2
Salmon Falls	64.2	79 7	66.4	70.1	2	93	2	83.0	28	50	29	57.3	3.3
VERMONT—													
Brandon	59.8	76.3	65.5	67.20	1	86	24	78.2	9	49	14	60.3	3.0
Burlington	68.8	79.5	67.2	71.83	1	91	24	79.0	23	55	26	61.0	2.2
Castleton	65.3	81.2	66.7	71.07	24	98	1	80.0	22	50	28	62.0	4.1
Craftsbury	59.1	72.1	63.0	64.73	30	88	30	72.7	7	*h* 50	7	53.0	3.7
St. Johnsbury	56.5	75.1	63.9	65.17	1	86	2	76.0	9	*f* 44	14	*i* 58.0	2.5
MASSACHUSETTS—													
Amherst	61.4	78.2	66.8	68.80	22	88	13	78.9	29	50	29	60.7	3.5
Mendon	61.5	76.7	64.0	67.40	22	90	13	77.1*j*	29	50	29	56.0	4.5
Nantucket	67.8	74.0	65.9	69.23	2	84	2	77.5	23	*d* 58	29	61.3	3.4
New Bedford	67.1	77.8	67.9	70.93	22	86	2	77.7	30	55	29	61.3	6.1
Newburyport	62.5	76.7	65.4	68.20	2	94	2	82.2	28	53	29	57.9	5.5
North Attleboro'	64.5	75.2	62.9	67.53	21	90	21	77.3	29	49	29	56.0	4.7
Princeton (*k*)	61.4	74.2	63.4	66.33	22	83	5	73.4	30	49	27	56.5	4.4
Richmond	60.3	80.1	68.1	69.5	24	94	1	78.7	18	46	8	60.7	4.3
Southwick	------	------	------	------	----	----	----	------	----	------	----	-------	2.7
Springfield	62.7	79.9	68.1	70.23	22	92	2	79.3	29	49	29	60.3	2.9
Taunton	63.5	82.5	62.4	69.47	22	94	2	78.7	30	50	29	59.7	2.3
Worcester	64.1	76.7	68.1	69.63	13	87	2	78.6	30	52	29	59.5	3.0
RHODE ISLAND—													
Providence (*l*)	63.1	77.3	65.5	68.6	2	87	2	81.0	29	*g* 50	29	58.7	4.3
CONNECTICUT—													
New London	------	------	------	------	----	----	----	------	----	------	----	-------	4.3
Pomfret	63.4	74.2	63.5	67.03	22	87	2	76.3	28	*m* 54	27	57.3	3.4
Salisbury	64.0	78.0	65.7	69.23	22	90	22	77.3	52	52	29	59.3	----
Saybrook	67.5	79.6	60.9	69.03	2	90	2	81.3	30	60	27	62.0	3.8
West Cornwall	59.7	76.4	65.4	67.17	26	87	26	76.3	30	49	29	57.3	3.1
NEW YORK—													
Angelica	59.9	80.9	64.3	68.37	24	92	1	82.3	8	*i* 40	7	53.3	3.2
Baldwinsville	61.9	74.5	67.3	67.90	24	86	24	78.0	9	*n* 52	14	58.7	3.2
Beaver Brook (*o*)	59.5	81.0	74 2	71.57	22	94	22	81.0	8	45	7	60.0	----
Beverly	68.0	78.4	71.4	72.60	22	91	2	79.7	30	55	29	63.3	4.4
Buffalo, [Salisbury] (*p*)	61.6	76.7	65.7	68.00	30	84	1	76.3	8	*i* 47	7	58.0	3.5
Canton	64.1	79.9	68.1	70.70	30	93	24	80.7	14	52	15	57.7	4.9
Fishkill	67.7	74.4	78.5	73.53	----	100	----	------	----	57	----	-------	----
Gouverneur	65.4	79.9	65.8	70.37	12	*n* 90	11	78.7	8	*q* 54	17	59.3	5.2
Leroy	------	------	------	------	----	----	----	------	----	------	----	-------	3.1
Lodi	67.3	79.3	68.8	71.80	24	94	22	82.0	7	54	7	57.0	4.2

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c No observations for the first nine days.
d Same temperature on the 28th and 29th.
e Observations taken at sunrise, 7 a. m., 2 and 9 p. m. Mean at sunrise, 54.7.
f Same temperature on the 23d.
g Same temperature on the 30th.
h Same temperature on the 9th.
i Same temperature on the 18th.
j Same temperature on the 1st.
k Observations omitted after the 27th.
l Observations taken at 6 a. m., 2 p. m., and 10 p. m. Incomplete.
m Same temperature on the 29th.
n Same temperature on the 21st.
o Observations taken at 5 a. m., noon, and 7 p. m.
p Observations taken at sunrise, 2 and 9 p. m.
q Same temperature on the 11th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Madrid	------	------	------	------	----	------	----	------	----	------	----	------	3.2
New York city (*a*)	68.5	80.6	73.2	75.63	----	90	22	82.6	----	56	29	67.0	----
New York city, [D. & D. Ins]	70.9	79.8	71.6	74.10	22	92	22	83.5	22	60	29	63.0	4.6
Penn Yan (*b*)	60.58	79.35	70.55	70.16	----	94	24	81.67	----	49	7	60.0	5.2
Sag Harbor	67.7	81.3	67.3	72.10	22	93	2	81.3	29	52	29	62.3	4.0
Smithville	62.4	78.1	65.6	68.70	30	90	30	77.3	8	50	15	--------	4.4
Spencertown	65.7	81.4	65.5	70.87	2	93	2	81.4	8	52	8	58.4	3.5
Troy	65.2	82.2	72.8	73.40	22	92	1	81.5	9	56	7	66.1	3.7
Wampsville	64.2	81.0	65.1	70.10	24	93	24	80.3	17	*c* 52	8	60.3	3.7
NEW JERSEY—													
Bloomfield	66.6	82.6	68.4	72.53	25	99	22	85.2	29	55	29	60.5	3.8
Burlington	66.4	82.1	70.2	72.90	22	*d* 94	22	*e* 82.7	8	55	8	62.7	5.6
Lambertsville	68.19	85.91	68.90	74.33	25	97.5	1	85.17	8	54	9	65.17	5.6
Newark (*f*)	------	------	------	71.56	---	------	2	82.5	----	-------	30	62.0	----
PENNSYLVANIA—													
Bedford	67.5	84.5	73.3	78.43	1	100	1	85.3	8	53	7	62.7	5.9
Brookville	67.2	83.7	65.1	72.00	1	99	1	86.3	7	48	7	57.0	----
Byberry	67.6	82.4	71.2	73.73	22	96	22	82.7	30	53	29	63.3	4.6
Freeport	70.3	88.2	73.3	77.27	24	100	1	89.3	7	50	7	61.7	2.2
Gettysburg	67.8	86.1	73.6	75.83	25	100	25	85 7	8	52	7	62.0	3.4
Harrisburg	72.1	84.1	77.9	78.03	25	95	1	85.7	8	59	8	68.3	3.8
Lima	68.5	79.2	69.0	72.23	25	89	1	81.9	30	59	8	64.5	4.2
Morrisville	64.8	80.9	69.2	71.67	22	94	22	81.3	8	56	8	64.3	2.8
Moss Grove	65.6	84.4	63.9	71.30	31	99	1	81.3	8	48	7	56.3	3.0
Norristown	66.2	80.6	70.5	72.43	25	94	1	83.5	30	55	9	62.7	4.0
Paradise	------	------	------	79.00	----	------	----	------	----	------	----	------	----
Philadelphia	70.8	82.7	76.4	76.63	25	94	1	85.7	8	*g* 60	7	*h* 68.0	4.9
Pittsburg	68.6	85.2	73.9	75.90	31	98	1	87.0	8	51	7	60.3	----
Pocopson (*i*)	65.9	85.2	------	75.55	2	*j* 96	2	86.7?	8	51	8	65.7?	4.9
West Haverford	64.2	82.7	------	73.30	2	97	2	88.0	8	51	8	62.0	3.8
MARYLAND—													
Frederick	70.8	85.1	75.4	77.10	25	98	1	89.1	8	54	8	63.9	3.8
Schellman Hall	70.6	83.4	73.0	75.67	22	98	25	86.3	7	*k* 58	8	65.7	3.6
VIRGINIA—													
Alexandria	72.6	84.8	77.1	78.17	1	99	2	90.3	7	*k* 60	8	65.3	3.4
Ashland	70.3	86.6	76.1	77.67	25	98	1	87.3	8	58	7	66.7	2.5
Crichton's Store (*l*)	75.0	89.7	84.7	83.13	2	102	2	94.0?	8	62	8	68.0?	5.4
Lewisburg	68.3	86.2	70.2	74.90	2	98	1	85.3	9	58	18	66.7	3.3
Lynchburg	76.1	86.0	79.0	80.37	1	*m* 98	1	93.7	10	*n* 65	10	72.7	----
New Creek Depot	69.2	79.5	73.9	74.20	25	93	?	?	9	60	?	?	3.7
Smithfield	------	------	------	77.3	----	93	2	86.65	----	65	19	70.25	----
NORTH CAROLINA—													
Chapel Hill	71.9	87.1	75.9	78.30	3	98	2	88.7	10	59	8	*o* 68.0	4.6
SOUTH CAROLINA—													
Camden	75.1	87.1	76.1	79.43	27	96	1	*p* 86.8	30	66	19	73.0	4.6
St. John's	73.80	84.35	77.42	78.52	----	92	2	84.67	----	67	30	72.33	----
GEORGIA—													
Augusta (*q*)	77.7	87.3	87.46	84.15	27	98	3	90.0	10	*o* 70	10	76.5	----
Savannah	76.9	89.0	79.6	81.83	3	101	3	90.3	31	71	20	75.7	4.8
Sparta	74.1	90.5	79.5	81.37	3	*r* 99	2	87.7	19	*s* 69	19	72 7	5.0
The Rock (*t*)	83.5	------	------	------	----	84	----	------	----	72	----	------	3.7
Whitemarsh Island	76.2	84.1	77.7	79.33	3	95	3	87.0	20	70	20	73.3	4.2
FLORIDA—													
Cedar Keys	81.0	85.7	82.0	82.90	1	*m* 91	2	*u* 88.3	9	71	22	76.0	4.5

a Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 79.03; mean at sunset, 76.84.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 18th.
d Same temperature on the 25th.
e Same temperature on the 1st.
f Observations taken at 7 a. m. and 5 p. m.
g Same temperature on the 30th.
h Same temperature on the 8th.
i Observations taken at daybreak and 2 p. m.
j Same temperature on the 22d.
k Same temperature on the 8th and 10th.
l Observations taken at 7 a. m., noon, and 6 p. m. Very imperfect.
m Same temperature on the 2d.
n Same temperature on the 11th.
o Same temperature on the 19th.
p Same temperature on the 2d and 3d.
q Observations taken at 7 a. m., 2 p. m., 4 p. m., and 9 p. m. Mean at 4 p. m., 87.5.
r Same temperature on the 4th.
s Same temperature on the 21st and 22d.
t Observations taken in the morning.
u Same temperature on the 3d.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
FLORIDA—Continued.													
Jacksonville	81.0	87.3	79.7	82.67	1	96	2	89.0 *a*	9	71	8	*b* 78.0	3.7
Key West (*c*)	80.16	87.38	.....	83.77	4	93	4	86.5	25	*d* 78	28	80.0	4.7
Knox Hill (*e*)	79.4	87.3	79.7	82.13	3	100	2	89.3	9	*f* 74	10	76.3	5.0
Warrington (*g*)	79.5	86.6	84.7	83.6	1	*h* 94	2	89.0	23	74	23	76.3	3.3
ALABAMA—													
Tuscaloosa	77.4	91.6	80.8	83.27	4	100	4	88 7 *i*	7	71	18	?	3.0
Yorkville (*j*)	.....	.....	.....	86.29	4	101	....	.....	17	72	....	.....	....
MISSISSIPPI—													
Garlandsville (*k*)	80.9	97.3	82.5	86.90	....	106	4?	?	....	76	17?	?	2.3
Lake Washington	76.2	88.3	79.3	81.27	4	94	11	85.6	23	71	17	74.5	2.2
LOUISIANA—													
New Orleans	76.9	86.1	80.1	81.03	4	*l* 93	3	85.0	29	73	31	77.3	4.5
TEXAS—													
Austin	76.7	90.7	78.4	81.93	16	96	13	84.7 *m*	29	70	27	75.0	4.3
New Wied	81.2	96.5	79.5	85.73	18	102 *n*	6	89.6 *o*	28	74	27	79.7	6.7
TENNESSEE—													
Glenwood	74.5	89.1	78.7	80.77	3	97	1	88.4	7	65	17	72.7	3.7
Knoxville	71.0	82.0	75.5	76.17	1	89	1	81.5	19	64	19	67.5	4.7
Memphis	82.3	92.0	82.1	85.47	29	99	2	90.7	18	72	17	75.0	1.3
KENTUCKY—													
Ballardsville	75.6	89.0	79.6	81.40	24	99	1	89.0	8	64	8	71.3	3.1
Danville	73.6	84.7	80.7	79.67	1	94	2	88.0	9	65	8	70.0	....
Springdale	66.2	93.2	83.0	80.80	25	103	13	88.2	9	51	9	71.3	3.8
OHIO—													
College Hill	77.5	87.3	80.3	81.70	1	94	1	87.3	7	63	7	66.7	2.4
Gallipolis	73.8	83.9	78 3	78.67	1	96	2	92.3	18	62	8	68.3	....
Germantown	69.1	87.1	70.9	75.70	....	98	1	85.3	....	56	8	63.0	4.0
Hillsborough (*p*)	69.8	85.5	72.8	76.03	24	97	1	85.5	7	*b* 59	7	64.6	3.7
Jackson	68.7	88.0	71.1	75.93	25	98	2	86.0	7	57	7	63.7	4.2
Marietta	65.9	83.1	70.2	73.07	25	95	2	85.0	8	50	8	60.3	3.0
Oberlin	69.2	80.9	69.0	73.03	30	100	1	85.7	9	*q* 55	7	60.7	2.2
Perrysburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.1
Richmond	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.4
Savannah	76.0	89.4	69.4	78.27	24	106	1	90.0	7	53	7	55.7	3.4
Urbana (*r*)	63.26	85.44	.....	74.35	....	97	....	.....	....	48	....	.....	3.3
Yankeetown (*s*)	67.6	93.7	67.9	76 40	26	97	?	?	8	54	?	?	2.6
Zanesville	67.1	90.7	74.7	77.50	31	105	1	88.0	8	*t* 51	7	65.0	4.1
MICHIGAN—													
Ann Arbor, [Winchell]	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	2.8
Ann Arbor, [Woodruff]	65.8	85.7	70.2	73.90	30	100	1	86.6	18	52	8	61.0	2.7
Battle Creek	65.6	86.3	70.3	74.07	1	100	1	87.7	8	49	7	61.7	2.2
Cooper	68.7	82.3	68.4	73.13	30	98	1	89.7	9	52	9	62.3	2.3
Detroit (*u*)	68.5	82.7	69.0	73.40	30	96	1	?	7	56	7	60.0	4.0
Flint	68.2	83.9	68.9	73.67	....	100	....	.....	....	50	....	.....	....
Grand Rapids	66.1	86.0	71.1	75.07	30	96	30	86.3	18	50	17	*v* 61.5	3.3
Monroe	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.3
St. James	65.6	73.4	63.5	67.50	29	88	29	79.2	14	50	14	57.3	4.3
Saugatuck	67.84	81.32	68.58	72.58	....	94	....	.....	....	50	....	.....	....
INDIANA—													
Kendallville	68.8	89.2	69.1	75.70	30	100 *w*	30	86.0	7	*x* 52	9	62.0	1.9
Logansport	73.0	89.2	76.3	79.50	29	101	29	89.7	8	*t* 63	9	69.7	3.6
Milton	67.9	85.6	71.8	75.10	31	96	1	87.2	8	*y* 57	8	64.0	2.0

a Same temperature or the 1st.
b Same temperature on the 9th.
c Observations taken at 7 a. m. and 2 p. m.
d Same temperature on the 28th, 29th, and 31st.
e No observations after the 13th of the month.
f Same temperature on the 10th and 11th.
g Observations at sunrise, noon, and sunset.
h Same temperature on the 2d.
i Same temperature on the 3d.
j Observations taken at 8 a. m., 2 p. m., and 8 p. m.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.
l Same temperature on the 5th.
m Same temperature on the 20th.
n Same temperature on the 19th.
o Same temperature on the 10th.
p Observations at 9 p. m. omitted after the 14th.
q Same temperature on the 17th and 18th.
r Observations taken at sunrise and 2 p. m.
s Observations omitted from the 10th to the 19th.
t Same temperature on the 18th.
u No observations at 9 p. m. for the first five days of the month.
v Same temperature on the 7th.
w Same temperature on the 31st.
x Same temperature on the 15th.
y Same temperature on the 16th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—Continued.	°	°	°	°		°		°		°		°	
New Harmony	75.5	89.9	76.6	80.67	3	101	3	92.5	8	65	9	70.5	3.1
Richmond	70.4	85.5	69.9	75.27	1	*a* 96	1	84.7	7	*b* 60	7	65.0	3.7
ILLINOIS—													
Athens	71.9	89.3	74.7	78.63	29	*c* 99	1	88.7	8	59	9	66.3	2.8
Augusta	69.3	88.0	74.5	77.27	31	99	31	88.3	8	55	8	66.3	2.0
Batavia (*d*)	------	95.2	------	------	----	------	----	------	----	------	----	------	2.5
Manchester (*e*)	73.2	86.9	77.4	79.17	1	*f* 98	1	90.0	8	60	9	65.3	3.2
Ottawa	69.9	86.2	71.5	75.87	30	98	30	85.0	7	58	7	62.7	4.1
Upper Alton	73.5	87.6	76.4	79.17	2	*g* 99	1	87.3	8	63	9	66.7	5.8
MISSOURI—													
Hannibal	75.2	90.5	83.9	83.20	29	104 *g*	29	92.3	9	59	9	67.3	2.7
St. Louis	75.9	91.1	79.9	82.3	1	100 *f*	1	91.4	8	63	9	70.7	2.2
WISCONSIN—													
Bellefontaine	66.9	83.6	70.2	73.57	22	98	29	84.0	7	51	7	58.3	4.4
Beloit	67.7	84.1	70.3	74.03	30	97	30	82.7	17	51	7	*h* 62.0	3.5
Ceresco	68.9	78.9	64.6	70.80	24	93	24	81.0	7	46	7	56.3	4.5
Janesville	66.4	83.8	69.4	73.20	29	*f* 95	29	83.2	7	*i* 53	7	60.0	3.4
Milwaukie	68.0	78.1	69.3	71.80	22	94	1	83.0	7	54	7	59.7	3.0
Platteville	71.2	87.2	71.6	76.67	28	*f* 98	31	86.3	8	52	16	65.0	3.8
IOWA—													
Dubuque	68.0	83.8	72.0	74.60	30	97	29	84.7	8	56	7	62.0	3.3
Fort Madison (*j*)	72.3	92.1	80.3	81.57	1	105	31	91.3	8	55	7	67.0	2.9
Muscatine	64.87	84 84	69.87	73.19	29	*g* 99	31	81.67	8	46	8	62.33	2.6
Pella	65.7	84.7	69.4	73.27	1	95	31	82.0	8	56	7	62.3	----
Poultney	64.7	81.1	65.4	70.40	22	*k* 92	29	79.7	8	*l* 52	7	58.0	3.7
Quasqueton	68.2	82.6	70.2	73.67	23	95	31	83.3	8	56	7	62.0	3.4
MINNESOTA—													
Lac qui Parle	72.0	81.3	72.3	75.20	22	93	21	86.7	8	59	8	60.0	3.6
St. Anthony's Falls	63.7	80.0	64.4	69.37	21	95	22	83.0	7	50	16	59.0	2.7
St. Joseph's	59.7	74.5	65.7	66.63	20	94	20	80.0	6	*m* 46	6	54.3	4.8
CALIFORNIA—													
Sacramento, [Hatch] (*n*)	55.9	81.9	67.2	70.31	----	96	16	85.0	----	49	----	------	----
Sacramento, [Logan]	------	------	------	69.47	----	99	----	------	----	52	----	------	----
San Francisco (*o*)	52.42	68.29	53.81	59.23	----	------	----	------	----	------	----	------	----
Stockton	65.94	82.55	71.23	73.24	----	97	17	86.0	----	59	27	64.0	----
MEXICO—													
Mirador (*p*)	------	------	------	68.83	----	------	----	70.25	----	------	----	66.87	----
CENTRAL AMERICA—													
Truxilla, Honduras (*q*)	81.5	82.2	------	81.85	25	86	25	85.50	6	77	5	79.5	----
SOUTH AMERICA—													
Assumption, Paraguay	63.9	71.1	68.0	67.67	21	84	21	79.7	26	52	26	58.7	4.4
Colonia Tovar (*r*)	56.50	67.55	61.64	63.62	24	74	24	66.40	15	53	4	60.0	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*p*)	------	------	------	92.02	----	109.4	----	------	----	76.2	----	------	----

a Same temperature on the 24th.
b Same temperature on the 8th, 15th, 17th, and 18th.
c Same temperature on the 30th and 31st.
d For the last six days of the month only.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 30th.
g Same temperature on the 31st.
h Same temperature on the 17th.
i Same temperature on the 8th.
j Observations taken at 6 a. m., 12 m., and 7 p. m.
k Same temperature on the 23d and 30th.
l Same temperature on the 16th.
m Same temperature on the 16th and 17th.
n Observations taken at sunrise, noon, sunset, and 10 p. m. Mean at sunset, 76 25.
o Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 62.39.
p Hours of observation not given,
q Observations taken at 9 a. m. and 3 p. m.
r Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset. Mean at 9 a. m., 65.19: mean at 3 p. m., 67.25.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NOVA SCOTIA—													
Halifax (*a*)	50.10	59.80	57.20	55.70	7	74	----	-------	22	37	----	-------	----
CANADA EAST—													
St. Martin's	52.9	69.0	55.0	58.97	6	91	6	75.5	30	29	21	44.7	3.6
CANADA WEST—													
Hamilton (*b*)	63.6	-------	64.3	63.95	----	86	5	82.0	----	48	21	52.0	----
MAINE—													
Carmel (*c*)	52.0	70.1	50.6	57.57	6	98	6	79.3	30	26	21	31.5?	4.1
Fryeburg (*d*)	-------	76.4	-------	-------	----	-------	----	-------	----	-------	----	-------	3.8
Perry (*e*)	48.8	61.4	51.4	52.25	7	80	7	68.0	22	31	21	40.7	3.9
Steuben	52.3	63.9	51.9	56.63	2	*f*80	7	69.0	22	34	21	39.0?	5.5
NEW HAMPSHIRE—													
Concord	54.4	69.9	58.8	61.03	6	94	6	80.0	22	*g* 38	22	49.0	2.8
Hanover	49.9	65.7	54.7	56.77	6	90	5	75.9	21	30	21	38.8	4.9
Exeter	51.6	67.5	55.3	58.13	6	91	6	77.7	22	30	21	42 7	3.9
Great Falls	53.7	72.6	55.9	60.73	6	98	6	80.6	1	34	21	45.3	3.3
Manchester	52.1	71.3	60.6	61.33	6	99	6	83.3	21	*h* 34	30	47.7	4.0
Salmon Falls	55.8	70.3	58.3	61.47	6	98	6	84.0	22	38	30	44.8	4.0
VERMONT—													
Brandon	54.2	66.6	57.6	59 47	5	88	5	79.0	21	33	29	47.3	3.6
Burlington	55.9	68.5	58.9	61.10	5	92	5	81.7	21	37	21	43.3	2.3
Castleton	56.0	69.1	56.0	60.37	5	93	6	83.3	16	*i* 40	21	45.3	3.4
Craftsbury	50.7	64.3	55.7	56.90	6	92	6	78.0	21	31	21	40.3	4.2
St. Johnsbury	48.8	65.1	48.5	54.13	6	93	6	75 3	21	28	21	36.7	2.8
MASSACHUSETTS—													
Amherst	55.3	75.9	58.6	63.27	6	90	6	77.8	30	34	21	43.8	4.0
Mendon	56.1	70.2	58.2	61.50	6	90	6	78.2	22	36	30	47.0	3.4
Nantucket	61.4	66.7	60.1	62.73	6	*j*78	9	74.5	21	*h* 48	30	51.3	4.0
New Bedford	59.5	67.8	59.0	62.10	7	84	7	75.7	30	39	30	46.5	5.2
Newburyport	55.6	71.4	59.0	62.00	6	96	6	84.9	21	40	21	46.6	5.7
North Attleboro'	57.3	69.4	56.1	60.93	6	91	6	80.8	22	38	30	14.6	3.4
Princeton	54.1	65.6	56.1	58.60	6	89	6	76.3	21	37	21	42.3	4.1
Richmond	47.1	67.8	55.9	56.93	6	92	6	75.7	22	27	22	41.0	4.6
Southwick	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	3.3
Springfield	56.0	71.4	59.5	62.30	6	94	6	78.7	6	36	21	45.3	3.0
Taunton	59.2	72.8	58.2	63.40	3	*k*90	6	78.7	14	*l* 48	21	53.0	3.0
Williamstown (*m*)	54.2	67.3	59.2	60.23	6	91	6	78.9	20	30	21	37.5?	3.8
Worcester	57.6	68.7	59.3	61.87	6	89	6	79.0	21	40	21	45.0	3 1
RHODE ISLAND—													
Providence (*n*)	57.4	69.4	57.4	61.4	6	88	6	78.33	22	37	21	44.67	4.0
CONNECTICUT—													
New London	61.3	72.0	61.5	64.93	7	89	7	79.0	22	43	21	50.3	4.1
Pomfret	57.0	65.8	56.8	59.87	6	84	6	75.3	21	39	21	44.3	3.8
Salisbury	57.5	69.8	58.4	61.90	6	92	6	80.0	21	34	21	43.3	----
West Cornwall	54.2	67.4	57.5	59.70	6	91	6	77.0	21	36	21	43.0	3.4
NEW YORK—													
Angelica	51.6	73.9	56.2	60.57	5	94	2	77.6	30	28	21	*g* 42.6	3.9
Baldwinsville	56.4	67.2	61.0	61.53	6	86	6	79.0	30	37	21	45.0	3.4
Beaver Brook (*o*)	54.1	74.0	67.2	65.10	6	97	5	86.0	30	34	21	50.0	----
Beverly	60.3	71.1	63.5	64.97	3	89	6	83.0	21	42	21	47.0	4.1
Buffalo, [Salisbury]	57.7	71.9	60.4	63.33	5	88	6	77.3	21	37	21	50.0	4.2
Canton	55.6	69.9	57.9	61.13	5	95	5	83.3	21	*g* 32	30	44.0	4.5
Fishkill (*p*)	60.9	83.1	68.7	70.90	----	100	----	-------	----	42	----	-------	----
Gouverneur	53.9	70.0	55.3	59.73	5	92	5	81.3	30	26	30	41.3	4.3

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m and 9 p. m.
c No observation at 2 p. m on the 21st of the month.
d Observations taken for 7 days only.
e Observations taken at sunrise, 7 a. m., 2 p m., and 9 p.m. Mean at sunrise, 47.4.
f Same temperature on the 7th.
g Same temperature on the 30th.
h Same temperature on the 22d.
i Same temperature on the 17th, 21st, and 22d.
j Same temperature on the 9th.
k Same temperature on the 6th and 7th.
l Same temperature on the 21st.
m Observations irregular from the 17th to the 21st, inclusive.
n Observations taken at sunrise, 1 p. m., and 10 p. m.
o Observations taken at 5½ a. m , noon, and 7 p. m.
p Observations taken at 7 a. m., noon, and 6 p. m.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Lodi	59.4	71.4	60.5	63.90	5	*a* 93	6	84.0	21	38	21	45.3	4.5
Madrid	54.9	66.5	56.3	59.23	5	92	5	80.7	30	35	21	49.3	4.3
New York city, (*b*)	61.8	73.8	65.7	68.58	----	92	6	84.6	----	46	21	54.0	----
New York city, [D. & D. Inst.]	62.2	71.4	65.3	66.30	9	89	9	83.8	21	48	21	51.1	4.2
Penn Yan, (*c*)	56.0	73.5	64.36	64.62	----	95	6	85.3	----	36	21	46.7	5.4
Sag Harbor	61.0	73.7	60.2	64.97	9	85	9	78.7	22	38	21	49.0	3.8
Smithville	55.2	69.6	58.4	61.07	5	93	6	84.0	30	32	21	43.3	4.8
Wampsville	56.3	73.1	59.0	62.80	5	94	6	81.0	30	33	21	43.0	4.1
NEW JERSEY—													
Bloomfield	59.8	75.7	63.2	66.23	3	95	9	84.7	22	38	21	47.5	3.3
Burlington	61.3	76.1	66.7	68.03	6	*d* 93	9	86.3	22	44	21	50.7	5.5
Lambertville	61.09	78.92	63.50	67.84	6	97	9	85.0	30	39	21	49.50	6.0
PENNSYLVANIA—													
Bedford	60.6	77.7	67.9	68.73	2	96	4	85.0	22	37	22	50.5	4.2
Brookville	57.2	77 3	59.8	64.77	5	99	2	82.0	30	32	30	44.3	----
Byberry	61.7	76.1	65.2	67.67	6	91	6	*d* 83.0	22	42	21	51.5	5.3
Freeport	66.2	81.0	68.3	71.83	5	101	2	88.0	22	41	21	52.0	2.9
Gettysburg	62.3	79.1	67.4	69.60	5	98	5	84.3	22	40	21	50.7	3.8
Harrisburg	67.4	79.6	73.2	73.40	5	*a* 97	5	*i* 88.0	22	47	21	56.0	4 1
Lima	61.8	73.8	63.7	66.43	6	90	6	82.6	22	40	30	48.9	4.6
Morrisville	59.7	75.4	63.0	66.03	6	91	9	82.0	22	44	21	52.0	3.5
Norristown	62.2	75.7	65.7	67.87	6	92	6	*d* 82.3	22	41	21	49.0	3.9
Paradise	------	------	------	73.00	----	------	----	------	----	------	----	------	----
Philadelphia	65.2	76.2	69.2	70.20	6	93	6	85.2	21	48	21	52.5	5.1
Pittsburg, [Oakland Station]	64.2	79.4	71.0	71.53	2	*e* 96	3	87.7	22	*f* 44	21	53.3	----
Pocopson (*g*)	62.4	79.0	------	70.70	1	97	5	87.0	22	39	22	*h* 53.5	----
Randolph	60.6	79.2	61.9	67.23	5	104	5	86.7	21	*h* 42	30	53.7	4.0
West Haverford	62.3	77.0	------	69.65	6	94	6	83.5	12	*i* 48	30	55.5	3.7
MARYLAND—													
Frederick	63.7	78.4	68.8	70.30	5	96	4	85.6	22	42	30	52.7	4.3
Schellman Hall	64.8	79.2	67.2	70.40	3	*a* 96	6	86.0	22	45	30	55.0	4.4
VIRGINIA—													
Alexandria	66.2	77.7	70.0	71.30	3	95	4	87.7	23	*h* 46	30	52.0	3.7
Ashland	64.2	85.9	71.3	73.80	4	102 *k*	5	87.0	22	*l* 46	22	58.0	2.2
Crichton's Store (*m*)	71.9	84.2	82.2	79.43	4	101	3	91.0	22	54	21	60.5?	4.2
Lewisburg	64.0	80.5	65.5	70.0	5	97	7	81.3	22	49	21	56.3	4.0
Montcalm (*n*)	66.2	80.4	68.1	71.57	6	95	8	82.0	16	51	21	56.7	5.0
Smithfield	------	------	------	73.10	----	92	4	84.75	----	43	30	54.50	----
Winchester	67.6	81.3	70.4	73.10	3	98	3	88.0	22	*h* 48	22	56.7	4.4
NORTH CAROLINA—													
Chapel Hill	68.2	83.8	72.7	74.90	5	98	4	86.3	22	50	22	59.3	5.2
SOUTH CAROLINA—													
Camden	71.4	82.8	73.1	75.77	5	97	5	84.0	23	54	23	62.0	5.4
St. John's (*o*)	71.23	80.0	74.9	75.37	----	89	10	84.0	----	56	30	62.67	----
GEORGIA—													
Augusta	73.0	83.7	79.7	78.8	3	*p* 94	5	88.0	22	60	22	66.7	2.0
Savannah	73.8	84.1	76.4	78.10	5	94	10	84.3	23	62	22	65.6	4.9
Sparta	70.3	84.9	74.8	76.67	7	97	7	85.3	24	51	23	63.3	5.5
The Rock (*q*)	73.8	------	------	------	----	78	----	------	----	68	----	------	7.2
Whitemarsh Island	74.2	80.9	74.2	76.43	11	92	11	84.0	22	62	22	65.0	4.6
FLORIDA—													
Cedar Keys	78.9	85.7	81.5	82.03	5	91	9	*r* 85.7	24	72	23	76.7	3.4
Jacksonville	79.2	85.1	78.4	80.90	13	93	12	85.3	22	*s* 72	22	73.3	4.0
Key West	79.57	85.70	------	82.63	12	90	12	86.0	24	*h* 76	30	77.5	4.1

a Same temperature on the 6th.
b Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 72.5; mean at sunset 69.1.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 9th.
e Same temperature on the 3d, 5th, and 6th.
f Same temperature on the 23d and 30th.
g Observations taken at daybreak and 2 p. m.
h Same temperature on the 30th.
i Same temperature on the 22d.
k Same temperature on the 5th.
l Same temperature on the 23d.
m Observations taken at 7½ a. m., 12 m., and 5 p. m. Very imperfect at 5 p. m.
n Observations omitted on the first five days and last four days of the month.
o Observations taken at sunrise, 2 p. m., and 9 p. m.
p Same temperature on the 4th and 5th.
q Observation taken in the morning.
r Same temperature on the 10th.
s Same temperature on the 23d and 24th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Knox Hill	74.5	86.1	78.2	79.60	7	97	8	88.3 *a*	22	67	22	70.0	5.1
Warrington (*b*)	77.1	84.9	83.1	81.70	8	94	8	89.0	23	70	22	*c* 76.0	3.6
ALABAMA—													
Tuscaloosa	74.4	82.9	76.7	78.0	9	100	9	90.0	22	65	21	67.1	5.0
Yorkville (*d*)	-------	-----	-------	79.93	7	100	----	-------	21	64	----	---------	----
MISSISSIPPI—													
Garlandsville	77.2	90.7	80.3	82.77	7	104	10	92.3	22	68	22	70.0	4.8
Oxford (*e*)	69.9	77.7	71.5	73.03	29	86	29	80.0	21	59	20	63.7	6.1
Vicksburg	75.37	85.77	77.97	79.70	11	94	10	87.67	21	65	21	66.33	2.2
TEXAS—													
Austin	73.1	85.1	75.3	77.80	15	96	15	83 7	26	65	26	68.7	6.4
New Wied	76.3	89.4	76.9	80.87	8	99	11	86.3	26	67	22	70.3	4.0
TENNESSEE—													
Glenwood	68.7	85.8	74.9	76.47	9	98	3	85.1	22	51	21	63.6	4.5
Knoxville	74.5	86.1	78.2	79.60	----	97	8	88.3	----	61	22	70.0	4.2
Memphis	76.1	84.7	75.3	78.70	9	98	9	88.7	21	60	20	*f* 64.0	1.3
KENTUCKY—													
Ballardsville	70.3	83.6	74.6	76.17	3	98	4	86.3	21	55	21	61.3	3.5
Danville	70.6	87.5	74.8	77.63	5	99	5	88.0	21	54	21	63.0	2.7
Millersburg	71.4	85.1	77.1	77.87	5	97	5	89.0	21	52	20	61.3	3.4
Springdale	63.2	88.2	78.5	76.63	3	102	3	87.3 *g*	22	42	21	60.0	3.6
OHIO—													
College Hill	68.7	83.8	72.7	75.07	9	98	4	88 0	21	45	20	55.8	2.4
Gallipolis	69.6	82.7	76.8	76.37	5	97	5	89.0	22	49	22	60.7	----
Germantown	63.5	81.9	67.1	70.83	4	100	4	83.1	22	42	21	53.4	4.2
Granville	64.1	80.2	67.6	70.63	5	98	5	83.3	22	43	21	52.0	3.3
Hillsborough	63.8	79.7	67.7	70.40	4	95	4	85.5	21	*h* 47	21	55.6	2.5
Jackson	63.7	86.2	68.3	72.73	4	100	9	85.3	22	41	22	54.3	4.5
Marietta	60.9	80.7	68.1	69.90	5	98	4	82.0 *i*	23	41	23	52.7	3.1
Oberlin	63.0	78.5	64.3	68.60	2	98	2	87.0	21	*j* 45	21	49.6	3.1
Perrysburg (*k*)	63.5	79.7	63.6	68.93	6	98	6	87 7	20	*f* 46	20	54.0	----
Richmond	-------	-------	-------	------	----	------	----	-------	----	-------	----	---------	3.0
Savannah	67.5	82.9	65.5	71.97	2	106	2	90.0 *g*	20	48	20	*c* 54.7	3.7
Urbana (*l*)	59.10	80.90	-------	70.00	----	98	----	-------	----	37	----	---------	3.6
Zanesville	62.5	85.0	70.5	72.67	5	107	5	86.0	----	43	21	56.0	4.2
MICHIGAN—													
Ann Arbor, [Winchell]	-------	-------	-------	------	----	------	----	-------	----	-------	----	---------	3.6
Ann Arbor, [Woodruff]	58.4	76.2	63.3	65.97	1	100 *i*	5	84.3	21	38	21	49.0	4.4
Battle Creek	61.5	78.9	65.2	68.53	4	101	5	88.3	16	*f* 42	21	53.3	3.1
Cooper	65.4	76.0	63.5	68.30	2	96	3	86.3	20	*f* 48	20	52.7	3.1
Detroit	60.9	74.1	63.5	66 17	5	94	5	85.3	21	42	21	50.3	5.6
Flint	58.2	75.6	60.5	64.77	----	96	----	-------	----	35	----	---------	----
Grand Rapids	61 4	76.7	65.4	69.50	1	96 *m*	5	86.7 *n*	21	38	21	50.7	3.6
Monroe, [Whelpley]	-------	-------	-------	------	----	------	----	-------	----	-------	----	---------	4.7
St. James	62.6	65 7	57.2	61.83	4	88	5	81.3	21	40	21	49.0	4.8
Saugatuck	62.06	76.13	64.13	67.44	----	95	----	-------	----	40	----	---------	----
INDIANA—													
Kendallville	61.2	77.4	61.4	66.67	1	95 *o*	5	83.3	22	42	21	51.0	2.7
Milton	63.2	80.2	67.1	70.17	4	98	4	83.5	22	*c* 45	20	53.0	3 1
New Harmony	67.5	85.0	72.5	75.00	9	101	9	86.0	21	*j* 50	21	57.6	3.9
Richmond (*p*)	68.3	84.4	68.5	73.40	3	98	3	86.5	16	52	16	59.3	5.3
ILLINOIS—													
Athens	66.1	83.8	70.8	73.57	1	99	4	85.3	21	50	21	57.0	3.6
Augusta	63.1	80.6	68.6	70.77	1	98	1	86.0	22	43	21	53.0	3.7
Ottawa	62.1	79.5	65.4	69.00	4	98	1	85.3	22	46	21	54.7	4 8
Upper Alton	67.2	82.1	69.7	73.00	3	96	4	84.3	21	48	21	56.0	2.2

a Same temperature on the 8th.
b Observations taken at sunrise, noon, and sunset.
c Same temperature on the 23d.
d Observations taken at 8 a. m., 2 p. m., and 8 p. m.
e For the last eleven days only.
f Same temperature on the 21st.
g Same temperature on the 4th.
h Same temperature on the 22d and 23d.
i Same temperature on the 5th.
j Same temperature on the 22d.
k Observations omitted on the first five days.
l Observations taken at sunrise and 2 p. m.
m Same temperature on the 4th and 5th.
n Same temperature on the 1st.
o Same temperature on the 2d.
p Observations omitted after the 18th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
MISSOURI—													
Hannibal	68.7	83.8	72.0	74.83	1	102 *a*	1	93.33	20	*b* 50	20	55.6	4.0
St. Louis	69.6	85.3	73.2	76.03	1	98 *c*	1	88.3	20	*b* 53	20	*b* 60.0	3.4
WISCONSIN—													
Bellefontaine	61.0	75.5	61.3	65.93	4	95 *d*	4	83.3	20	43	20	52.3	4.6
Beloit	59.1	76.3	61.9	65.77	1	95	1	84.3	21	36	20	48.0	3.1
Ceresco	58.3	69.0	55.1	60.80	4	88 *d*	4	79.0	20	34	20	38.7	4.8
Janesville	59.1	76.6	63.4	66.37	1	95 *e*	5	85.0	21	40	20	47.3	4.0
Madison	59.8	73.6	62.5	65.30	5	93	1	81.3	21	42	21	46 7	3.5
Milwaukie	61.9	71.8	63.3	65.67	5	93	5	83.7	21	45	20	52.0	4.0
Platteville	63.0	80.3	64.9	69.37	1	100	1	88.2	21	42	21	54.7	4.3
IOWA—													
Dubuque	60.8	76.8	66.6	68.07	1	97	1	86.0	16	*f* 50	21	55.0	3.4
Fort Madison (*g*)	63.0	82.4	72.7	72.70	4	102	1	91.0	22	44	21	55.0	4.4
Muscatine	58.77	80.13	65.47	68.12	1	99	1	84.33	21	37	21	50.0	3.3
Pella	60.7	80.0	62.1	67.60	2	95 *h*	1	83.3	20	42	20	49.7	----
Poultney	59.4	73.3	58.7	63.80	1	93	1	79.7	21	43	20	50.7	4.7
Quasqueton	59.3	75.9	62.8	66.00	2	93	1	83.5	21	40	20	50.4	4.4
MINNESOTA—													
St. Anthony's Falls	53.5	71.7	56.9	60.70	1	88	2	76.3	15	*f* 36	15	48.7	3.4
CALIFORNIA—													
Sacramento, [Hatch] (*i*)	51.4	76.3	62.7	65.23	----	87	19	78.7	----	47	11	60.0	----
Sacramento, [Logan]	-------	-------	-----	65.05	----	90	----	-------	----	48	----	---------	----
San Francisco (*j*)	53.30	67.73	54.40	59.21	----	-------	----	-------	----	-------	----	---------	----
Stockton (*k*)	63.13	78.93	66.63	69.56	----	90	18	78.00	----	58	15	62.0	----
MEXICO—													
Mirador (*l*)	-------	-------	-------	69.35	----	-------	----	71.73	----	-------	----	68.0	----
SOUTH AMERICA—													
Colonia Tovar (*m*)	56.36	68.10	60.93	63.51	6	78	6	68.20	9	54	12	58 60	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*l*)	-------	-------	-------	81.42	----	101.4	----	-------	----	63.4	----	---------	----

a Same temperature on the 4th and 8th.
b Same temperature on the 21st.
c Same temperature on the 8th.
d Same temperature on the 5th.
e Same temperature on the 3d, 4th, and 5th.
f Same temperature on the 20th.
g Observations taken at 6 a. m., 12 m., and 7 p. m
h Same temperature on the 3d.
i Observations taken at sunrise, noon, sunset, and 10 p. m. Mean at sunset, 70.36.
j Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 61.43.
k Observations taken at 8 a. m., 2 p. m., and 8 p. m.
l Hours of observation not given.
m Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset. Mean at 9 a. m., 65.90; mean at 3 p. m., 66.27.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NOVA SCOTIA—	°	°	°	°		°		°		°		°	
Halifax (*a*)	46.70	55.10	52.40	51.40	29	69	----	-------	21	35	----	-------	----
CANADA EAST—													
St. Martin's	41.92	59.69	48.90	50.17	7	78	30	63.1	18	25	19	35.0	4.5
CANADA WEST—													
Hamilton (*b*)	53.03	53.00	53.00	53.01	7	*c* 68	8	68.00	19	38	19	39.50	----
MAINE—													
Carmel	37.83	57.12	41.95	45.63	7	*d* 75	30	62.67	11	24	20	35.0	4.9
Fryeburg	------	------	------	------	----	------	----	------	----	------	----	------	4.7
Perry	41.35	55.13	45.13	47.20	5	*e* 65	30	58.67	21	27	20	36.33	4.8
Steuben	43.90	50.70	45.0	46.53	7	*f* 63	30	61.33	6	*g* 30	20	33.67	6.4
NEW HAMPSHIRE—													
Concord	43.68	58.68	49.55	50.64	7	*h* 72	30	63.0	20	26	19	37.67	4.0
Hanover	40.74	56.02	45.82	47.53	12	70	30	63.60	20	24	20	33.00	6.0
Exeter	42.71	57.39	46.29	48.80	7	71	12	63.33	20	*i* 28	20	35.0	4.5
Great Falls	44.90	61.94	49.45	52.10	7	78	12	66.67	20	30	20	40.67	4.7
Londonderry	43.61	60.58	50.35	51.51	7	*j* 75	12	67.0	5	*g* 28	19	39.67	4.1
Manchester	42.22	61.12	51.47	51.60	7	*h* 74	30	63.33	20	27	20	39.33	4.9
Salmon Falls	44.52	58.80	48.81	50.71	7	76	12	66.67	21	30	20	40.0	5.0
VERMONT—													
Brandon	44.65	58.47	49.81	50.98	7	*f* 74	30	67.0	22	32	19	39.0	5.0
Burlington	46.26	58.81	49.55	51.54	30	75	30	67.67	20	30	15	40.67	3.2
Castleton	43.93	60.13	49.19	51.08	11	*h* 78	30	66.67	18	30	19	38.33	5.3
Craftsbury	41.16	54.45	46.35	47.32	28	73	30	64.0	20	27	16	33.0	5.7
St. Johnsbury	38.77	52.58	46.03	45.79	7	70	31	63.0	22	25	19	35.0	3.8
MASSACHUSETTS—													
Amherst	44.4	59.54	50.59	51.51	9	76	12	66.0	20	27	20	37.2	4.7
Mendon	48.0	56.87	51.0	51.96	9	75	9	67.0	20	33	18	39.2	4.9
Nantucket	54.61	59.32	54.41	56.11	12	70	9	63.6	20	42	18	45.3	4.3
New Bedford	50.74	60.08	52.81	54.54	9	72	9	64.5	20	33	19	40.5	6.0
Newburyport	47.91	59.80	51.50	53.07	9	79	12	70.4	20	35	18	40.0	7.1
North Attleboro'	45.94	60.86	47.87	51.56	9	78	9	66.8	19	31	19	36.67	4.6
Princeton	51.71	57.80	48.93	52.81	9	73	12	64 33	15	30	15	36.67	4.8
Richmond	------	------	------	------	----	------	----	------	----	------	----	------	4.8
Springfield	44.52	62.93	49.42	52.29	9	80	9	66.0	20	25	20	38.0	4.2
Taunton	49.00	62.42	51.39	54.27	9	80	8	69.33	20	29	19	38.0	3.0
Williamstown	48.35	58.10	48.50	50.15	12	73	12	65.0	20	25	18	36.0	4.8
Worcester	46.90	59.81	50.11	52.30	9	77	12	66.0	20	*k* 30	19	38.0	4.4
RHODE ISLAND—													
Providence (*l*)	47.6	60.8	50.4	52.9	8	77	9	67.0*h*	20	33	19	38.7	4.8
CONNECTICUT—													
New London	49.74	63.08	52.13	54.98	9	*m* 75	9	67.0	20	36	20	43.33	4.9
Pomfret	47.00	59.03	49.93	51.99	9	73	12	64.33*n*	20	31	19	37.67	4.3
Salisbury	46.74	60.03	49.26	50.71	8	*h* 74	12	67.33	20	*o* 28	20	38.00	----
Saybrook (*p*)	51.16	60.70	53.77	55.21	8	75	8	68.0	20	36	18	42.0	4.8
West Cornwall	45.83	57.67	49.53	51.01	8	73	12	66.0	18	26	18	34.0	4.2
NEW YORK—													
Angelica	42.0	59.8	45.5	49.10	11	76	30	64.0	20	22	19	32.0	4.6
Baldwinsville	46.45	55.81	52.90	51.72	11	69	30	63.2*n*	20	30	19	36.2	3.8
Beaver Brook (*q*)	44.7	62.6	55.3	54.2	12	80	12	69.0	20	23	20	37.0	----
Beverly	49.58	60.77	54.48	54.94	9	75	12	70.0	20	32	19	40.0	4.7
Buffalo, [Salisbury] (*r*)	50.53	60.43	51.40	54.12	30	71	30	63.3	19	32	16	35.5	6.4
Canton	46.85	57.32	49.12	51.10	30	74	30	66.7	16	*s* 30	19	30.7	6.9
Fishkill (*t*)	51.06	72.03	57.45	60.18	----	87	----	------	----	34	----	------	----
Gouverneur	43.26	55.32	49.84	49.47	30	71	30	65.67	20	24	18	32.0*u*	6.6
Lodi	48.97	60.45	50.41	53.28	7	*v* 76	30	66.0	19	*g* 28	15	36.0	5.5

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Same temperature on the 8th.
d Same temperature on the 28th.
e Same temperature on the 12th and 28th.
f Same temperature on the 30th.
g Same temperature on the 20th.
h Same temperature on the 12th.
i Same temperature on the 22d.
j Same temperature on the 27th.
k Same temperature on the 25th.
l Observations taken at sunrise, 2 p. m., and 10 p. m.
m Same temperature on the 21st.
n Same temperature on the 9th.
o Same temperature on the 21st and 22d.
p Observations taken at 7 a. m., 2 p. m., and 10 p. m.
q Observations taken at 6 a. m., noon, and 6½ p. m.
r Observations very irregular.
s Same temperature on the 19th and 20th.
t Observations taken at 7 a. m., noon, and 6 p. m.
u Same temperature on the 19th.
v Same temperature on the 11th

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date	M'n temp	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Madrid (*a*)	42.62	54.28	47.19	48.03	7	70	7	62.7	20	30	19	32.7	6.5
New York city (*b*)	51.71	63.55	55.97	58.65	....	80	12	72.00	....	36	19	44.60	....
New York city, (D. & D. Inst.)	53.38	61.57	55.17	56.71	8	*c* 76	9	68.67	20	37	20	41.67	4.0
Penn Yan (*d*)	45.84	60.81	53.00	53.22	....	80	7	68 67	....	30	19	35.0	6.4
Sag Harbor	50.8	66.46	54.5	57.25	9	82	10	69.3	21	38	21	45.3	4.6
Smithville	46.71	58.06	49.29	51.35	29	74	30	65.67	20	31	19	33.67	5.4
Spencertown	45.55	59.87	49.84	51.75	7	*f* 78	12	71.0	20	25	20	34.0	4.0
Wampsville	45.87	60.48	50.39	52.25	7	*e* 76	7	68.00	20	29	15	34.00	5.6
NEW JERSEY—													
Bloomfield	50.06	64.04	52 85	55.65	9	83	12	70.0	18	32	19	41.5	3.8
Burlington	49.10	64.81	58 77	57.56	8	*f* 80	12	72.0	18	*g* 32	20	39.33	6.4
Lambertville	47.10	66.66	50.97	54.91	12	80	12	72.33	20	28	19	38.67	5.8
Newark (*h*)	-------	-------	-------	51.08	....	73	?	75.00	?	33	?	28.00	....
PENNSYLVANIA—													
Bedford	44.76	61.96	52.35	53.02	....	77	11	69.0	....	27	20	35.33	4.5
Brookville (*i*)	41.17	60.72	45.33	49.07	11	*j* 72	12	60.0	6	*k* 30	16	36.6	....
Byberry	49.39	64 08	53.97	55.81	9	79	12	69.67	20	31	19	40.0	4.3
Freeport	52.29	65.42	53.87	57.19	2	*l* 82	2	79.67	20	*m* 30	19	41.67	4.3
Gettysburg	46.76	66.05	53.81	55.54	12	83	12	70.33	20	26	20	37.0	3.4
Harrisburg	51.27	65.65	59.07	58.66	12	80	12	72.67	20	33	20	40.67	3.5
Lima	47.13	63.26	51.69	54.03	7	78	30	66.3	18	29	19	37.4	4.0
Morrisville	49.26	64.71	52.55	55.51	8	*c* 80	12	69.0	20	32	18	42.67	2.9
Moss Grove	44.37	63.12	47.90	51.86	9	84	2	67.0	19	26	21	34.0	4.7
Norristown	48.25	62.71	53.10	54.69	12	78	12	71.33	20	29	19	38.67	4.5
Paradise	-------	-------	-------	64 00	....	-------	---	------	....	-------	....	-------	....
Philadelphia	53.81	64 90	58.65	59.13	9	79	12	73.7	20	37	19	43.0	4.5
Pittsburg, [M. H.] (*n*)	58.33	65.75	63.25	62.44	11	78	11	70.7	9	50	4	53.3	....
Pittsburg, [O. S.]	50.58	62.74	56.16	56.49	1	74	1	68.00 *j*	20	30	19	39.33	....
Pocopson	48.77	65.84	53.47	56.03	8	*o* 81	12	73.0	20	32	19	39.0	4.2
Randolph	47.29	64.58	50.58	54.15	8	83	7	65.33	19	28	19	35.0	4.4
West Haverford	50.67	62.22	-------	56.44	8	*o* 78	12	71.0	20	30	19	40.0	4.2
MARYLAND—													
Frederick	48.47	64.75	54.28	55.83	12	80	12	70.63	20	29	20	37.40	3.5
Schellman Hall	52.48	68.39	54.55	58.47	8	*c* 85	3	69.33	20	28	20	36.67	3.7
DISTRICT OF COLUMBIA—													
Washington	50.72	66.63	56.38	57.91	8	*p* 79	3	72.0	21	33	20	41.5	....
VIRGINIA—													
Alexandria	50.66	65.50	55.84	57.33	12	78	3	73.33	20	*m* 33	20	39.67	3.5
Ashland	50.22	69.29	55.51	58.34	9	*l* 82	12	71.1	19	30	19	41.0	3.8
Crichton's Store (*q*)	59.62	74.20	64.00	65.94	12	*r* 85	12	77.0	....	44	24	48.0	2.7
Lewisburg	48.06	67.58	53.78	56.47	3	80	3	69.33	18	*s* 32	19	42.0	4.8
Montcalm (*t*)	54.77	69.94	58.70	61.14	9	86	10	76.6	20	39	16	49.0	2.5
Smithfield	52.48	-------	-------	60.72	....	84	....	-------	....	38	....	-------	....
Winchester	51.16	66.45	56.16	57.92	12	82	12	74.0	21	33	20	42.00 *s*	4.0
NORTH CAROLINA—													
Chapel Hill	54.23	72.55	61.16	62.25	9	*u* 87	13	76.67	20	38	20	48.67	6.5
SOUTH CAROLINA—													
Camden	55.19	73.35	58.39	62.31	11	*r* 85	3	76.34	19	*v* 39	20	49.67	2.8
St John's (*w*)	56.07	70.07	60.85	62.33	....	82	14	75.67	....	44	20	51.33	....
GEORGIA—													
Augusta (*x*)	57.79	69.25	60.42	62.49	....	?	....	?	....	?	....	?	....

a Observations very irregular.
b Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m.; mean at noon, 61.61; mean at sunset, 60.42.
c Same temperature on the 9th.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 29th.
f Same temperature on the 9th and 12th.
g Same temperature on the 20th, 21st, and 22d.
h Observations taken at 7 a. m. and 5 p. m.
i No observations after the 18th of the month.
j Same temperature on the 12th.
k Same temperature on the 16th.
l Same temperature on the 10th and 11th.
m Same temperature on the 21st.
n Observations omitted after the 14th.
o Same temperature on the 9th and 12th.
p Same temperature on the 9th, 10th, and 12th.
q Observations taken at 8 a. m., noon, and 5 p. m.; very irregular.
r Same temperature on the 13th.
s Same temperature on the 19th.
t Observations incomplete.
u Same temperature on the 10th and 12th.
v Same temperature on the 23d.
w Observations taken at sunrise, 2 p. m., and 9 p. m.
x Observations omitted the first half of the month.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Savannah	60. 7	75. 4	66. 00	67. 37	14	88	14	77. 5	21	48	21	58. 0	3. 2
Sparta	55. 57	74. 23	61. 97	63. 92	14	87	3	77. 00	17	41	20	53. 67	2. 9
The Rock (*a*)	60. 61	------	------	------	----	72	----	------	----	53	----	------	2. 9
Whitemarsh Island	62 16.	72. 10	64. 35	66. 20	14	85	14	76. 00	21	50	24	56. 2	3. 1
FLORIDA—													
Cedar Keys	69. 07	79. 20	72. 80	73. 69	11	85	15	79. 6	21	*b* 59	27	71. 33	3. 1
Jacksonville	67. 48	77. 25	68. 95	71. 23	15	85	9	*c* 78. 00	21	55	21	61. 66	3. 8
Key West	75. 21	80. 68	------	77. 94	1	*d* 84	18	81. 00	22	*e* 71	22	*f* 73. 50	4. 3
Knox Hill	61. 76	77. 10	67. 45	68. 77	2	*g* 85	2	79. 00	20	50	25	59. 67	3. 1
Warrington (*h*)	67. 00	76. 52	74. 00	72. 51	----	89	15	81. 33	----	58	26	66. 67	2. 5
ALABAMA—													
Tuscaloosa	58. 4	73. 1	61. 2	64. 23	11	*i* 84	11	75. 9	19	43	18	54. 4	3. 3
Yorkville (*j*)	------	------	------	68. 45	13	86	----	------	20	53	----	------	----
MISSISSIPPI—													
Garlandsville	65. 36	80. 11	64. 44	69. 97	3	*i* 90	3	81. 83	20	55	18	58. 00	3. 1
Oxford	62. 03	72. 58	64. 48	66. 36	1	*k* 83	1	77. 33	17	47	17	55. 00	3. 8
LOUISIANA—													
New Orleans (*l*)	64. 69	74. 10	69. 00	69. 26	----	?	----	?	----	?	----	?	1. 4
TEXAS—													
Austin	62. 86	80. 70	68. 74	70. 77	3	*c* 92	3	78. 6	30	48	29	62. 00	4. 3
New Wied	68. 11	83. 63	69. 06	73. 60	3	92	14	81. 00	29	50	29	66. 00	6. 3
TENNESSEE—													
Glenwood	53. 98	69. 09	58. 11	60. 39	13	85	13	76. 69	18	*m* 38	19	48. 00	3. 9
Knoxville	51. 74	66. 23	55. 03	57. 67	12	79	12	71. 00	18	36	18	44. 67	5. 0
Memphis (*n*)	61. 53	76. 46	63. 23	67. 07	12	*o* 84	1	79. 3	17	50	4	68. 6	0. 8
KENTUCKY—													
Ballardsville	55. 55	66. 74	57. 74	60. 01	11	81	12	74. 00	5	*p* 40	15	46. 00	4. 0
Danville	56. 50	71. 45	58. 26	62. 07	9	*q* 83	12	75. 67	19	41	17	*c* 49. 33	3. 3
Millersburg	54. 45	68. 26	58. 52	60. 41	7	*r* 80	12	75. 00	5	*m* 34	19	46. 67	3. 9
Springdale	49. 8	69. 61	62. 82	60. 74	11	86	12	75. 00	19	29	19	46. 00	4. 7
OHIO—													
College Hill	53. 71	67. 44	57. 72	59. 62	9	*i* 80	12	73. 7	19	35	15	45. 6	4. 4
Gallipolis	55. 03	67. 52	58. 84	60. 46	12	77	1	73. 00	19	37	19	43. 67	----
Germantown	47. 07	65. 52	55. 17	55. 92	----	80	12	70. 02	----	30	15	41. 67	4. 7
Granville (*s*)	49. 87	62. 09	53. 09	55. 02	11	77	1	69. 67	19	32	19	40. 67	4. 4
Hillsborough	50. 94	63. 60	54. 35	56. 30	11	77	1	69. 00	5	34	15	41. 3	5. 0
Jackson	49. 42	68. 16	54. 10	57. 23	12	83	12	70. 7	19	32	19	42. 00	5. 4
Marietta	45. 61	64. 74	51. 68	54. 01	1	80	1	66. 67	19	28	19	37. 00	5. 0
Norwalk (*t*)	58. 67	65. 75	52. 03	56. 21	7	*u* 83	11	68. 00	19	29	14	41. 25	5. 8
Oberlin	50. 51	63. 79	52. 61	55. 64	11	78	12	66. 00	19	29	19	40. 00	4. 8
Perrysburg	52. 67	71. 23	56. 13	60. 01	10	84	11	67. 33	14	*m* 32	18	46. 33	----
Richmond	------	------	------	------	----	------	----	------	----	------	----	------	3. 4
Savannah	52. 00	67 00	52. 00	57. 00	----	88	----	------	----	28	----	------	----
Urbana (*v*)	46. 71	63 84	------	55. 27	----	77	----	------	----	28	----	------	5. 1
Zanesville	49. 74	65. 97	55. 65	57. 12	10	*w* 83	12	70. 00	19	31	19	43. 00	6. 9
MICHIGAN—													
Ann Arbor, [Winchell]	63. 7	67. 2	64. 9	65. 27	----	78	9	73. 9	----	53	18	57. 3	5 6
Ann Arbor, [Woodruff]	52. 3	61. 9	55. 2	56. 47	9	76	10	62. 6	19	22	19	38. 3	5. 5
Battle Creek	49. 16	63. 77	52. 26	55. 06	10	81	11	67. 2	17	32	18	40. 2	4. 5
Detroit	50. 07	60. 39	52. 93	54. 56	7	*x* 74	11	65. 00	9	28	15	37. 67	7. 6
Flint	47. 3	64. 4	51. 00	54. 23	----	80	----	------	----	19	----	------	----
Grand Rapids	49. 19	62. 74	52. 94	54. 96	27	78	8	66. 00	19	26	18	38. 67	4. 8
Monroe, [Whelpley]	------	------	------	------	----	------	----	------	----	------	----	------	5. 5
St. James	49. 87	55. 03	49. 44	51. 45	27	70	27	64. 50	18	32	18	35. 16	5. 9
Saugatuck	51. 5	62. 2	53. 8	58. 83	----	73	----	------	----	28	----	------	----

a Observations taken in the morning.
b Same temperature on the 23d.
c Same temperature on the 15th.
d Same temperature on the 2d and 13th.
e Same temperature on the 23d and 24th.
f Same temperature on the 24th.
g Same temperature on the 14th.
h Observations taken at sunrise, noon, and sunset.
i Same temperature on the 12th.
j Observations taken at 8 a. m., 2 p. m., and 8 p. m.
k Same temperature on the 3d and 12th.
l Incomplete.
m Same temperature on the 19th.
n Observations omitted after the 26th.
o Same temperature on the 13th.
p Same temperature on the 15th, 18th, and 19th.
q Same temperature on the 11th and 12th.
r Same temperature on the 10th and 11th.
s No observations after the 25th.
t Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at sunrise, 48.39.
u Same temperature on the 8th.
v Observations taken at sunrise and 2 p. m.
w Same temperature on the 11th.
x Same temperature on the 8th, 9th, and 11th.

No. 23 --THERMOMETER AND FACE OF SKY, OCTOBER, 1854--Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
INDIANA –	°	°	°	°		°		°		°		°	
Milton	48.98	63.46	53.56	55.33	11	80	12	68.67	19	32	17	42.83	3.6
ew Harmony	53.70	67.7	57.16	59.52	11	81	12	75.5	18	38	18	47.00	4.5
Richmond (*a*)	46.65	60.93	47.75	51.78	26	71	30	64.00	19	32	17	36.00	6.6
ILLINOIS –													
Athens	51.80	70.80	56.54	59.71	10	*b*83	1	74.33	18	30	17	44.33	3.9
Augusta	50.51	67.03	55.00	57.51	11	*c*83	1	71.33	17	30	17	41.33	3.8
Manchester (*d*)	53.46	67.48	57.54	59.49	11	*e*79	1	73.00	17	*c*38	17	45.33	4.3
Ottawa	48.48	66.74	53.51	56.24	11	80	1	70.67	15	*c*30	18	40.67	4.7
MISSOURI—													
Hannibal	34.64	68.50	59.16	54.10	21	84	1	78.00	17	34	15	43.67	3.9
St. Louis	54.4	69.2	59.2	60.93	12	82	12	75.00	18	38	17	48.67	3.9
WISCONSIN—													
Beloit	46.55	63.26	51.29	53.70	7	80	11	67.00	18	22	17	*c*38.33	3.7
Ceresco	48.63	59.31	46.23	51.39	7	*b*76	6	63.00	16	24	18	34.5 ?	5.7
Janesville	48.03	63.74	53 52	55.10	8	82	11	71.00	18	28	18	39.33	5.2
Madison	49.23	59.83	51.61	53.56	8	80	8	67.00	25	23	18	*f*43.00	4.1
Milwaukie	49.84	60.13	52.45	54.14	8	*b*78	11	69.33	15	*c*33	18	39.7	4.3
Platteville	50.00	67.09	53.87	56.99	11	85	11	71.67	15	25	17	40.00	5.6
IOWA—													
Dubuque	50.53	64.32	54.87	56.57	11	82	11	72.33	15	31	18	38.5 ?	4.3
Fort Madison (*g*)	49.97	66.90	58.32	58.40	1	*h*82	1	75.00	15	26	17	41 00	3.9
Keokuk	50.38	68.76	54.86	58.00	11	88	11	75.67	17	30	14	43.33	3.8
Muscatine	47.61	65.90	52.71	55.41	6	*c*82	1	71.67	15	27	18	40.33	4.5
Pella	46.10	64.52	52.90	54.51	7	85	6	69.67	17	27	14	37.67	....
Poultney	48.89	62.34	49.39	53.54	8	82	8	67.70	18	23	14	34.7	4.9
Quasqueton	46.62	66.03	50.70	54.45	11	81	6	67.3	15	21	15	40.00	4.6
CALIFORNIA—													
Sacramento, [Hatch] (*i*)	51.32	71.03	59.67	62.57	....	88	3	76.50	....	46	24	56.25	....
Sacramento, [Logan]	.....	.....	.....	60.01	....	90	...	.....	....	49	....	.....	....
San Francisco (*j*)	53.32	68.13	55.42	59.46	....	.....	...	.....	....	.....	....	.....	....
Stockton (*k*)	58.45	72.87	60.65	63.99	....	90	3	78.00	....	50	28	58.33	....
MEXICO—													
Mirador (*l*)	.....	.....	.....	66.06	....	.....	....	68.00	....	.....	....	63.50	....
CENTRAL AMERICA—													
Truxillo, Honduras (*m*)	79.48	81.07	.....	80.27	11	83	5	*n*82.5	22	75	25	76.5	....
SOUTH AMERICA—													
Colonia Tovar (*o*)	56.10	68.55	60.64	63.44	4	74	4	65.80	26	52	16	*p*61.00	....
EASTERN CONTINENT—													
Mosul, Mesopotamia (*l*)	.....	.....	.....	74.22	....	90.6	....	.....	....	60.3	....	.....	....

a Observations taken at 7 a. m., 1 p. m., and 9 p. m; very irregular; for the last 16 days only.
b Same temperature on the 11th.
c Same temperature on the 18th.
d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Same temperature on the 12th.
f Same temperature on the 14th.
g Observations taken at 6 a. m., noon, and 7 p. m.
h Same temperature on the 11th.
i Observations taken at sunrise, noon, sunset, and 10 p. m. Mean at sunset, 68.25.
j Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 60.97.
k Observations taken at 8 a. m., 2 p. m., and 8 p. m.
l Hours of observation not given.
m Observations taken at 9 a. m. and 3 p. m.
n Same temperature on the 6th.
o Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset. Mean at 9 a. m., 66.50 Mean at 3 p. m., 65.42.
p Same temperature on the 21st.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NOVA SCOTIA—													
Halifax (*a*)	41.70	45.60	44.30	43.87	1	60	----	-------	6	23	----	--------	----
CANADA EAST—													
St. Martin's	31.28	36.63	30.86	32.92	1	56	1	52.30	5	10	5	20.10	5.5
CANADA WEST—													
Hamilton (*b*)	40.5	-------	40.8	40.65	----	57	24	53.5	----	26	30	28.00	---
MAINE—													
Carmel	32.08	44.12	32.58	36.26	1	66	1	59.33	6	3	5	15.67	5.9
Fryeburg	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	--------	5.6
Perry	36.27	42.80	38.10	39.06	3	60	13	54.00	6	19	5	24.00	7.7
Steuben (*c*)	35.65	42.14	37.00	38.26	13	57	13	55.67	5	21	9	24.33	7.4
Windham	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	--------	5.0
NEW HAMPSHIRE—													
Concord	35.63	43.53	37.57	38.91	1	68	1	59.00	6	12	6	24.00	5.2
Hanover	31.94	39.31	33.30	34.85	1	57	13	55.40	6	11	5	17.93	6.8
Exeter	34.33	43.70	36.30	38.11	1	64	13	58.00	6	12	5	23.00	6.1
Great Falls	34.77	44.60	36.53	38.63	1	64	1	57.00	5	10	5	22.33	6.2
Londonderry	35.13	43.73	37.73	38.86	11	60	13	56.67	6	*d* 12	9	*e* 27.67	5.6
Manchester	34.00	46.10	40.16	40.09	1	68	13	59.67	6	12	5	24.67	6.1
Salmon Falls	36.08	44.83	37.78	39.56	1	67	1	59.00	5	*f* 16	5	22.67	5.8
VERMONT—													
Brandon	34.26	41.26	35.51	37.01	13	61	1	55.67	5	14	5	19.84	6.9
Burlington	35.37	41.97	35.70	37.68	1	63	1	56.67	5	13	5	20.00	4.2
Castleton	35.5	43.8	36.33	38.54	11	68	11	61.00	5	14	5	22.00	7.1
St. Johnsbury	30.64	37.86	32.69	33.73	1	60	1	59.00	6	8	6	18.38	4.1
MASSACHUSETTS—													
Amherst	36.37	43.89	39.19	39.82	1	66	13	60.27	5	17	5	22.67	5.9
Mendon	37.87	40.43	38.67	40.99	13	68	13	64.67	5	*f* 18	30	29.33	5.5
Nantucket	45.57	50.33	45.75	47.22	1	64	13	60.33	5	32	5	33.67	5.4
New Bedford	41.47	48.15	41.68	43.77	1	70	1	61.83	5	18	5	24.17	6.6
Newburyport	38.79	47.04	41.41	42.41	1	69	13	61.80	5	20	5	28.83	6.8
North Attleboro'	37.23	46.91	39.53	41.22	1	67	13	62.20	5	17	28	30.33	5.2
Princeton	34.61	41.55	35.82	37.38	1	65	13	57.67	5	16	5	20.50	6.6
Richmond	31.40	42.50	34.70	36.20	13	70	13	64.00	5	10	5	17.33	6.1
Springfield	36.33	46.83	38.70	40.62	1	68	13	61.67	6	10	5	22.33	5.3
Taunton	38.73	50.06	40.80	43.20	1	68	12	63.00	6	16	5	28.00	3.7
Williamstown	35.24	40.60	36.11	37.32	13	61	11	56.17	5	17	5	19.83	7.6
Worcester	37.13	44.87	38.70	40.23	1	65	11	58.00	5	*f* 16	5	22.33	5.3
CONNECTICUT—													
New London	39.73	48.97	43.23	43.98	1	69	13	61.67	5	20	5	27.00	5.8
Pomfret	36.83	43.53	38.92	39.76	13	64	13	61.67	5	16	5	22.33	5.3
Salisbury	36.53	43.97	36.13	38.88	13	68	13	60.00	6	16	5	21.33	----
Saybrook	40.03	46.40	41.80	42.74	13	62	13	58.33	5	22	5	27.33	5.3
West Cornwall	34.80	43.33	36.93	38.35	13	*g* 62	11	57.33	5	14	5	19.33	5.6
NEW YORK—													
Angelica	33.86	39.90	34.10	35.95	1	56	1	49.17	5	10	5	26.67	6.6
Baldwinsville	35.00	40.30	36.50	37.27	11	56	1	51.67	5	18	5	25.00	7.7
Beaver Brook (*h*)	35.37	43.57	39.23	39.39	1	63	1	58.33	5	16	6	27.33	----
Beverly	38.48	46.38	42.00	42.29	1	66	1	62.67	5	20	5	24.33	5.3
Canton	35.24	40.92	34.83	37.00	11	60	1	51.00	30	14	30	14.00	7.8
Fishkill (*i*)	39.76	50.13	44.56	44.82	----	73	----	-------	----	19	----	--------	----
Gouverneur	32.03	38.27	34.30	34.87	1	56	1	52.33	5	4	5	18.67	8.1
Lodi	34.80	40.20	35.10	36.70	1	56	1	53.33	5	19	30	22.00	7.9
New York city (*j*)	41.90	49.60	44.33	46.69	----	69	1	62.60	----	24	5	31.20	----
New York city, [D. & D. Ins.]	40.93	47.85	43.54	44.11	13	65	11	60.63	5	23	5	27.83	4.8
Penn Yan (*k*)	34.47	42.13	36.63	37.74	----	58	1	52.67	----	12	5	24.33	8.0

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken only from the 3d of the month to the 23d, inclusive.
d Same temperature on the 13th.
e Same temperature on the 30th.
f Same temperature on the 6th.
g Same temperature on the 25th.
h Observations taken at 6½ a. m., noon, and 5½ p. m.
i Observations taken at 7 a. m., noon, and 6 p. m.
j Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p m. Mean at noon, 49.33; mean at sunset, 48.27.
k Observations taken at sunrise, 2 p. m., and sunset.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1851—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Sag Harbor	41.30	50.27	43.70	45.09	1	*a* 70	13	61.67	6	18	5	28.67	5.3
Smithville	34.07	41.40	35.07	36.85	10	58	1	52.67	4	17	30	25.67	7.8
Spencertown	35.97	42.23	36.13	38.11	13	63	11	58.33	5	14	5	19.00	5.8
Wampsville	35.70	42.76	35.13	37.86	1	64	1	54.33	5	12	5	21.00	7.6
NEW JERSEY—													
Blo. mfield	39.10	48.55	41.50	43.05	1	69	1	62.50	6	21	5	27.00	4.5
Burlington	40.67	49.87	42.73	44.42	13	72	11	63.00	5	26	5	30.33	6.5
Lambertville	30.13	51.67	41.53	41.11	1	70	11	62.50	5	22	5	26.67	5.0
PENNSYLVANIA—													
Bedford	36.45	44.92	38.04	39.39	1	*b* 61	1	58.33	21	*c* 22	6	27.33	6.7
Byberry	39.02	49.43	41.72	43.39	1	68	11	60.83	6	25	5	29.17	5.4
Freeport	38.03	45.10	37.97	40.37	2	77	2	58.33	5	24	30	30.00	7.0
Gettysburg	36.10	47.97	39.23	41.10	1	67	1	58.33	5	23	5	28.33	5.7
Harrisburg	42.00	48.34	44.73	45.02	1	70	1	63.00	5	*c* 30	29	36.67	6.1
Lima	37.68	48.02	41.17	42.29	1	67	11	59.83	6	22	5	27.73	5.2
Morrisville	37.97	49.53	40.60	42.70	1	72	1	59.00	5	*d* 24	5	28.67	3.8
Moss Grove	33.60	40.10	33.68	35.79	10	58	10	51.33	5	*e* 18	30	25.00	8.1
Norristown	41.25	47.39	41.47	43.37	1	69	11	61.33	28	26	28	31.83	5.3
Paradise	------	------	------	39.00	----	------	----	------	----	------	----	------	----
Philadelphia	42.57	50.50	45.27	46.11	1	69	11	63.00	5	29	5	32.67	5.6
Pittsburg, [O. S.]	37.50	43.97	38.97	41.15	2	65	1	56.33	21	24	27	29.00	----
Pocopson	39.43	50.63	42.53	44.20	1	*f* 69	1	61.83	29	25	5	30.67	5.3
Randolph	32.23	39.63	34.77	35.54	10	62	24	50.67	5	*e* 20	30	24.33	7.7
West Haverford	38.07	50.00	------	44.04	1	70	13	62.50	5	22	5	30.00	4.7
DELAWARE—													
Newark (*g*)	38.55	48.69	41.25	42.83	11	*h* 68	2	50.67	6	23	5	29.00	4.6
MARYLAND—													
Frederick	38.39	48.38	41.57	42.78	1	67	1	59.43	21	25	5	31.37	5.3
Schellman Hall	39.00	51.03	41.07	43.70	1	73	1	62.67	21	*i* 24	5	31.00	4.6
DISTRICT OF COLUMBIA—													
Washington	40.07	51.27	44.57	45.30	1	69	1	60.5	28	26	28	32.5	----
VIRGINIA—													
Alexandria	39.18	51.00	43.97	44.38	1	70	1	60.50	28	24	28	31.00	5.0
Ashland	36.20	50.20	39.67	42.02	1	74	1	59.00	28	20	28	27.00	4.9
Crichton's Store (*j*)	45.85	50.92	------	------	1	72	11	68.50	21	*c* 32	29	40.67	3.8
Lewisburg	37.73	48.66	40.43	42.27	3	65	1	56.33	9	*e* 28	27	31.33	7.0
Montcalm (*g*)	39.44	54.18	45.71	46.44	22	62	24	55.67	28	26	28	33.50	4.4
Smithfield	------	------	------	47.15	----	72	11	65.50	----	26	20	35.00	----
Winchester	39.17	51.20	41.83	44.07	1	70	1	63.33	28	24	28	32.00	4.7
NORTH CAROLINA—													
Chapel Hill	41.27	58.57	47.67	49.17	3	75	11	67.00	28	26	19	36.00	5.7
Thornbury	40.08	57.15	42.93	46.72	11	74	11	66.63	29	25	27	34.37	3.7
SOUTH CAROLINA—													
All Saints	46.13	61.47	51.00	52.87	11	76	11	70.33	28	*c* 30	28	37.00	2.1
Camden	40.10	60.26	46.00	48.79	1	74	11	66.33	28	21	28	33.00	4.2
Columbia (*k*)	37.29	55.52	41.57	44.79	12	69	27	59.33	21	25	20	31.00	----
St. John's (*l*)	45.89	62.28	49.68	52.62	----	75	11	70.00	----	27	28	36.00	----
GEORGIA—													
Augusta	45.60	60.40	53.37	53.12	----	79	11	68.33	----	25	28	37.67	----
Savannah	48.40	64.00	54.50	55.63	11	77	11	70.77	28	32	28	40.10	2.4
Sparta	42.93	62.17	49.99	51.70	5	76	24	65.33	28	25	28	33.67	3.5
The Rock (*m*)	49.00	------	------	------	----	63	----	------	----	31	----	------	4.8
Whitmarsh Island	47.90	60.83	52.87	53.87	1	*n* 76	11	69.67	14	*o* 31	14	39.00	2.8
FLORIDA—													
Cedar Keys (*p*)	54.00	61.80	60.20	58.33	11	77	12	72.33	14	*q* 41	28	47.00	2.1

a Same temperature on the 3d.
b Same temperature on the 9th.
c Same temperature on the 29th.
d Same temperature on the 6th.
e Same temperature on the 21st.
f Same temperature on the 2d.
g Observations imperfect.
h Same temperature on the 25th.
i Same temperature on the 28th.
j Observations taken at 8 a. m., noon, and 4 p. m. Incomplete.
k No observations before the 10th.
l Observations taken at sunrise, 2 p. m., and 9 p. m.
m Observations taken in the morning.
n Same temperature on the 10th and 11th.
o Same temperature on the 28th and 29th.
p For the last 20 days of the month only.
q Same temperature on the 20th and 28th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Jacksonville	53.10	67.40	57.33	59.28	11	81	11	73.67	29	32	28	44.33	2.2
Key West	69.03	73.40	-------	71.21	1	*a* 83	11	80.50	20	56	29	59.00	3.2
Knox Hill (*b*)	51.19	66.29	57.28	58.25	3	*c* 75	10	70.00	20	*d* 33	19	40.33	2.7
Warrington (*e*)	53.00	68.10	63.20	61.43	10	79	10	75.00	28	36	19	46.33	1.8
ALABAMA—													
Greene Springs (*f*)	40.59	58.00	46.28	48.29	22	74	22	65.00	28	27	27	34.00	1.6
Tuscaloosa	44.27	60.29	48.63	51.06	22	72	22	64.27	28	27	13	36.47	2.6
Yorkville	55.06	-------	-------	55.06	----	-------	----	-------	----	-------	----	-------	----
MISSISSIPPI—													
Garlandsville	48.90	68.07	51.17	56.05	1	82	*g* 1	68.33	28	25	2	38.67	2.3
Oxford	47.73	60.07	51.43	53.08	3	73	1	63.00	27	30	27	36.00	4.3
LOUISIANA—													
New Orleans (*h*)	57.70	61.91	56.22	58.61	10	77	?	?	28	38	?	?	3.3
TEXAS—													
Austin	48.90	69.10	53.66	57.22	24	82	3	68.66	13	*i* 30	12	40.00	3.8
New Wied	53.34	70.87	55.20	59.80	1	*j* 81	3	72.67	26	*i* 34	12	42.50	6.7
TENNESSEE—													
Glenwood	39.14	53.22	43 55	45.30	3	68	3	57.30	27	26	27	29.67	5.2
Knoxville	39.53	51.28	42.40	44.40	1	67	1	58.83	14	24	13	31.83	5.3
KENTUCKY—													
Ballardsville	37.28	45.12	40.29	40.90	2	*k* 62	23	58.00	13	*l* 24	13	25.67	5.6
Danville	41.73	52.00	44.30	46.01	23	66	23	61.00	28	26	13	32.00	4.3
Millersburg	38.26	46.43	40.16	41.62	2	*m* 60	22	56.00	14	25	13	28.67	5.5
Springdale	35.77	48.17	43.77	42.57	9	65	23	59.17	14	22	13	26.83	5.7
OHIO—													
College Hill	35.80	45.18	40.02	40.33	9	64	2	59.23	14	21	13	25.40	5.4
Gallipolis	39.97	50.00	40.50	43.49	----	66	1	58.33	----	24	28	27.33	----
Germantown	32.90	44.82	36.95	38.22	----	60	1	51.57	----	21	13	26.82	6.0
Granville	35.57	43.59	37.61	38.92	10	58	10	53.00	14	23	30	27.33	6.9
Hillsborough	38.13	44.10	38.13	40.12	9	59	23	53.50	14	22	13	26.33	5.8
Jackson	36.30	48.47	39.50	41.42	1	*n* 63	1	58.33	14	*o* 24	28	29.67	6.5
Marietta	33.87	45.57	36.57	38.67	12	66	1	54.00	21	19	28	24.00	5.1
Mount Vernon	36.45	46.28	39.00	40.58	10	68	10	59.67	14	20	30	25.00	5.9
Norwalk (*p*)	39.50	44.50	37.20	40.40	----	59	23	54.50	----	22	30	24.75	----
Oberlin	35.6	44.48	39.48	39.85	10	61	10	54.67	14	24	26	30.33	6.0
Perrysburg (*q*)	35.37	46.67	38.17	40.07	9	65	23	55.33	14	*r* 24	13	29.33	3.7
Richmond	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.7
Savannah	38.5	44.8	39.0	40.77	----	60	----	-------	----	21	----	-------	----
Urbana (*s*)	33.30	44.23	-------	38.76	----	59	----	-------	----	22	----	-------	6.1
Zanesville	35.81	45.83	39.47	40.37	12	66	1	56.67	28	24	28	26.33	5.8
MICHIGAN—													
Ann Arbor, [Winchell]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	7.1
Ann Arbor, [Woodruff]	32.06	41.7	35.2	36.32	9	56	1	47.00	30	19	30	22.67	6.8
Battle Creek	34.17	44.43	36.30	38.30	9	61	23	52.33	14	*o* 21	12	27.00	5.7
Cooper (*t*)	31.12	36.00	29.33	32.15	1	48	1	43.33	27	*o* 24	30	26.33	4.9
Detroit	35.57	42.90	37.73	38.73	24	58	24	53.00	30	24	30	26.33	----
Flint	31.20	43.10	34.80	36.37	----	59	----	-------	----	19	----	-------	----
Grand Rapids	33.93	42.27	37.03	37.74	9	64	9	50.67	30	22	30	26.67	5.1
Grand Traverse	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	0.7
Monroe, [Whelpley]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	7.0
St. James	34.33	36.90	34.00	35.08	10	48	10	45.00	30	22	30	24.00	8.3
Saugatuck	37.00	41.00	38.80	39.93	----	64	----	-------	----	24	----	-------	----
INDIANA—													
Madison	37.75	46.05	40.65	41.48	2	*u* 60	1	54.17	14	25	13	29.00	5.8

a Same temperature on the 11th.
b For the first 25 days of the month only.
c Same temperature on the 4th and 10th.
d Same temperature on the 28th.
e Observations taken at sunrise, noon, and sunset.
f For the last 17 days of the month only.
g Same temperature on the 3d.
h No observations for the first seven days of the month.
i Same temperature on the 27th.
j Same temperature on the 3d and 24th.
k Same temperature on the 9th and 23d.
l Same temperature on the 14th.
m Same temperature on the 8th and 22d.
n Same temperature on the 10th and 23d.
o Same temperature on the 30th.
p Observations taken at 9 a. m., 3 p. m., and 9 p. m.
q Observations taken at 7 a. m., 1 p. m., and 9 p. m.
r Same temperature on the 21st.
s Observations taken at sunrise and 2 p. m.
t Thermometer observations omitted from the 3d to the 24th, inclusive.
u Same temperature on the 9th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1851—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—Continued.	°	°	°	°		°		°		°		°	
Milton	33.16	43.97	37.50	38.21	17	74	17	57.67	14	20	13	25.00	4.9
New Harmony	36.9	48.3	40.7	41.97	2	*a* 63	1	*b* 54.33	13	25	13	27.33	5.2
Richmond (*c*)	32.41	44.07	36.74	37.74	9	59	23	52.00	27	17	13	24.33	6.3
ILLINOIS—													
Athens	34.03	50.37	38.77	53.12	2	69	9	58.33	27	12	12	25.33	4.6
Augusta	32.47	47.40	38.73	39.53	23	68	2	56.00	27	11	12	23.33	4.9
Manchester (*c*)	32.93	50.27	39.77	40.99	2	69	6	53.67	27	11	27	25.00	5.0
Ottawa (*d*)	32.37	46.95	34.63	37.98	2	*b* 65	9	59.80	27	11	12	23.33	4.9
Upper Alton	34.97	48.92	41.19	41.69	2	66	5	54.67	13	*e* 21	27	27.33	2.8
MISSOURI—													
Hannibal (*f*)	43.35	53.80	35.89	44.35	2	*g* 70	2	58.67	13	15	18	29.33	4.1
St. Louis	37.2	50.1	42.7	43.33	2	69	9	56.17	19	*e* 23	12	28.17	5.5
WISCONSIN—													
Beloit	30.13	41.50	31.23	34.29	2	65	9	50.33	27	8	13	20.00	2.6
Ceresco	28.81	37.56	28.43	31.60	2	*a* 60	9	50.00	30	8	30	17.33	6.2
Janesville	29.20	41.26	32.96	34.47	23	63	23	51.00	27	6	27	19.33	4.3
Madison	32.60	38.93	36.17	35.90	2	65	9	56.00	30	17	12	21.33	4.5
Milwaukie	34.10	42.60	36.67	37.79	2	62	2	52.33	27	19	13	23.00	4.6
Platteville	29.23	43.57	32.90	35.23	1	62	23	49.67	12	8	13	*h* 19.00	4.7
IOWA—													
Dubuque	32.33	44.32	37.10	37.92	2	63	2	*a* 53.67	12	12	12	20.33	3.3
Fort Madison (*i*)	31.43	46.30	40.03	39.25	9	66	9	56.00	27	10	12	21.00	4.3
Keokuk	31.89	46.07	40.00	39.32	6	68	6	54.00	27	14	12	23.67	5.2
Muscatine	30.17	44.80	35.57	36.85	2	69	9	*j* 53.33	27	7	12	22.67	4.1
Pella	26.87	44.03	31.53	34.14	2	65	2	51.33	27	6	26	19.00	----
Poultney	27.93	41.47	31.23	33.54	2	64	2	51.00	27	9	12	15.33	4.9
MINNESOTA—													
St. Anthony's Falls	27.26	43.90	30.13	33.76	1	70	11	70.00	----	27	28	36.00	----
CALIFORNIA—													
Sacramento, [Hatch] (*k*)	44.21	65.25	54.53	56.78	----	70	26	60.87	----	39	----	----------	----
Sacramento, [Logan]	----------	----------	----------	55.05	----	72	----	----------	----	44	----	----------	----
San Francisco (*l*)	50.67	65.13	53.00	56.19	----	----------	----	----------	----	----------	----	----------	----
Stockton	51.73	68.97	55.80	58.83	----	75	6	66.67	----	46	30	52.00	----
MEXICO—													
Mirador (*m*)	----------	----------	----------	63.50	----	----------	----	70.99	----	----------	----	56.75	----
CENTRAL AMERICA—													
Truxillo, Honduras (*n*)	76.81	77.67	----------	77.24	11	*h* 83	12	82.00	28	72	28	72.00	----
SOUTH AMERICA—													
Colonia Tovar (*o*)	55.69	67.16	60.26	62.52	23	73	18	65.20	24	52	29	57.80	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*p*)	----------	----------	----------	57.70	----	74.8	----	----------	----	41.6	----	----------	----

a Same temperature on the 9th.
b Same temperature on the 23d.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Hours of observation somewhat irregular.
e Same temperature on the 27th.
f For the first 18 days of the month only.
g Same temperature on the 5th.
h Same temperature on the 12th.
i Observations taken at 6 a. m., noon, and 7 p. m.
j Same temperature on the 2d.
k Observations taken at sunrise, noon, sunset, and 10 p. m. Mean at sunset, 63.13.
l Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 55.97.
m Hours of observation not given.
n Observations taken at 9 a. m. and 3 p. m.
o Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean at 9 a. m., 64.86. Mean at 3 p. m., 64.66.
p Hours of observation not known.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NOVA SCOTIA—													
Halifax (*a*)	30.50	33.40	32.50	32.13	16	59	----	-------	22	6	----	-------	----
CANADA EAST—													
St. Martin's	8.02	18.38	10.17	12.19	26	42	25	34.80	23	—36	22	—23.67	5.0
CANADA WEST—													
Hamilton (*b*)	27.97	-------	27.97	27.97	----	44	15	43.00	----	1	19	5.50	----
MAINE—													
Carmel	8.51	20.36	14.01	14.29	16	40	16	38.33	23	—32	22	—14.00	6.5
Fryeburg	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	5.7
Perry	21.06	25.81	23.90	23.59	15	42	15	39.33	23	— 8	22	— 3.33	6.9
Steuben	18.50	24.20	21.68	21.46	15	*c* 40	16	38.00	23	—14	22	— 8.33	6.9
NEW HAMPSHIRE—													
Concord	15.32	26.81	19.71	20.61	16	42	16	35.67	21	—12	20	— 1.67	5.9
Hanover	11.10	21.98	15.13	16.07	----	40	28	35.40	----	—25	20	—15.87	7.1
Exeter	17.03	28.46	19.35	21.61	14	*d* 44	26	36.00	20	— 6	22	0.33	5.3
Great Falls	16.90	30.00	20.61	22.17	26	48	16	38.33	20	— 7	22	— 0.67	6.0
Londonderry	16.40	27.49	20.32	21.40	14	*e* 46	14	*c* 37.67	22	—12	22	— 3.67	5.7
Manchester	16.06	29.80	23.58	23.15	26	48	16	38.33	20	— 8	20	2.00	7.2
Salmon Falls	18.69	29.79	21.03	23.17	26	48	27	39.00	22	— 7	22	— 0.67	5.7
VERMONT—													
Brandon	13.45	23.71	16.16	17.77	15	41	27	38.00	23	—20	22	—11.00	5.4
Burlington	17.61	22.10	16.94	18.88	15	42	25	38.67	20	—20	22	—11.33	4.1
Castleton	14.77	28.00	17.29	20.02	10	*f* 44	25	39.33	*g* 22	—20	22	—10.67	7.3
St. Johnsbury	13.58	21.35	16.84	17.92	15	41	27	37.00	20	—25	20	—15.33	3.9
MASSACHUSETTS—													
Amherst	18.57	26.54	21.59	22.23	25	43	25	38.30	23	— 9	19	— 2.33	6.1
Mendon	20.48	27.90	22.71	23.70	15	50	15	38.67	20	— 1	19	3.53	6.7
Nantucket	33.05	38.11	34.05	35.07	15	51	15	45.33	19	17	19	23.33	5.6
New Bedford	24.40	33.53	26.92	28.28	15	*d* 49	10	42.33	20	3	20	9.50	6.7
Newburyport (*h*)	23.84	33.68	27.14	28.22	15	50	16	42.23	22	4	22	5.37	8.6
North Attleboro'	22.64	31.20	24.97	26.27	15	49	16	43.33	21	0.7	22	6.40	5.2
Princeton	18.66	24.55	19.76	20.99	16	42	16	36.93	19	*i* 1	22	2.33	6.2
Richmond	18.68	25.84	20.61	21.71	26	42	26	37.33	----	10	20	0.00	7.1
Springfield	18.00	29.77	21.68	23.15	16	50	16	41.33	20	— 8	20	1.67	5.5
Taunton	26.48	33.96	28.12	29.52	10	*e* 52	10	*e* 50.00	21	4	19	10.67	3.4
Westfield	19.06	26.81	21.24	22.37	16	45	16	38.33	20	—10	20	— 1.67	----
Williamstown (*j*)	15.84	23.88	19.30	19.67	15	43	25	38.13	20	—19	20	— 9.70	7.4
Worcester	20.71	29.06	22.93	21.23	16	55	16	43.00	20	0	22	4.33	4.8
RHODE ISLAND—													
Providence (*k*)	23.00	31.80	24.80	26.50	10	48	10	40.30	*l* 19	3	19	7.00	6.0
CONNECTICUT—													
New London	25.48	33.35	27.81	28.88	15	50	15	42.33	20	4	20	10.33	5.9
Pomfret	20.35	28.00	22.87	23.74	15	45	16	38.33	20	— 2	20	4.00	5.6
Salisbury	19.52	27.26	21.74	22.84	24	*d* 42	16	37.00	20	— 7	20	0.33	----
Saybrook	26.19	30.32	27.68	28.06	15	44	16	*f* 38.67	20	4	20	8.00	5.4
West Cornwall	19.29	24.84	21.61	21.91	16	*d* 42	15	37.00	20	— 3	19	0.33	5.7
NEW YORK—													
Angelica	19.79	28.88	20.76	26.48	25	46	28	40.33	19	—16	19	— 0.67	7.2
Baldwinsville	21.87	26.65	22.74	23.75	28	45	15	38.33	22	2	22	7.00	8.1
Beaver Brook (*m*)	19.06	29.87	24.64	24.52	15	52	27	40.00	20	— 6	20	9.00	----
Beverly (*n*)	22.19	27.52	24.46	24.72	25	43	25	39.33	23	— 5	20	— 0.50?	6.3
Buffalo, [Salisbury] (*m*)	22.18	29.60	30.86	27.55	28	46	10	38.00	19	1	19	6.67	8.5
Canton	13.19	20.16	14.55	15.97	15	46	15	40.33	23	—26	22	—17.33	7.1
Fishkill (*o*)	21.64	32.32	25.66	26.34	----	50	----	-------	----	—10	----	-------	----
Gouverneur (*p*)	16.68	24.68	20.91	20.79	28	43	28	38.33	23	—30	19	—16.00	7.6
Lodi	19.61	26.90	21.74	22.75	15	*q* 45	28	39.33	20	— 4	22	5.67	8.6
New York city (*r*)	28.26	32.74	29.45	30.15	----	46	27	*s* 42.00	----	4	20	12.67	----

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.
b Observations taken at 9 a. m. and 9 p. m.
c Same temperature on the 16th.
d Same temperature on the 26th.
e Same temperature on the 15th.
f Same temperature on the 27th.
g Same temperature on the 24th, 25th, 26th, 27th, and 28th.
h Observations taken at 8 a. m., 2 p. m., and 9 p. m.
i Same temperature on the 22d.
j No observations before the 7th.
k Observations taken at sunrise, 2 p. m., and 10 p. m. Incomplete.
l Same temperature on the 20th.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n No observations at 2 p. m. on the 20th.
o Observations taken at 7 a. m., noon, and 6 p. m.
p Observations doubtful.
q Same temperature on the 25th.
r Observations taken at 9 a. m., 3 p. m., and 10 p. m.
s Same temperature on the 11th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1854.—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
New York city (*a*)	26.64	31.68	31.55	29.96	----	45	11	42.00	----	4	20	12.00	----
New York city, [D. & D. Ins.]	24.90	30.84	28.46	28.07	16	48	16	42.00	20	3	20	10.00	5.7
Penn Yan (*b*)	21.78	29.74	25.16	25.56	----	46	25	40.67	----	3	20	8.33	8.5
Sag Harbor	27.32	34.42	30.13	30.62	10	52	10	43.67	20	9	20	13.67	5.5
Smithville	18.00	23.35	18.00	19.78	28	48	28	42.33	22	—16	22	—11.00	7.9
Spencertown	17.74	23.68	19.81	20.41	14	*c* 40	15	37.00	23	—11	20	— 2.33	5.6
Wampsville	20.90	28.00	22.27	23.72	28	46	28	39.67	20	— 6	22	5.67	9.0
NEW JERSEY—													
Bloomfield	24.02	32.34	26.76	27.71	25	47	27	41.33	20	1	20	8.17	5.4
Burlington	26.10	31.13	29.06	29.76	10	*d* 46	27	40.33	20	4	20	10.00	6.7
Lambertville	23.68	34.75	26.55	28.33	16	48	27	41.00	20	1	20	10.67	4.2
PENNSYLVANIA—													
Bedford	24.88	32.31	27.27	28 15	25	50	27	44.33	9	7	20	13.67	6.7
Gettysburg	24.66	31.08	26.58	28.44	25	46	28	41.00	20	0	20	12.00	5.2
Harrisburg	28.48	33.94	30.37	30.93	25	47	27	41.00	20	11	20	16.67	5.8
Lima	25.50	33.32	28.05	28.96	27	45	27	43.67	20	5	20	8.00	5.7
Morrisville	23.80	31.63	25.57	28.00	25	46	27	40.67	20	5	20	11.00	4.4
Moss Grove	22.84	29.03	24.28	25.38	28	46	27	39.67	9	8	19	11.67	7.8
Norristown	27.41	32.48	27.24	29.04	25	47	27	40.17	20	5	20	8.67	5.1
Paradise	----	----	----	30.00	----	----	----	----	----	----	----	----	----
Philadelphia	28.45	34.50	30.87	31.27	14	48	27	44.33	20	7	20	14.33	6.1
Pittsburg, [O S.]	26.87	34.32	28.55	29.91	28	56	27	48.00	9	4	19	11.33	6.2
Pittsburg, [M. H.] (*e*)	35.68	37.58	34.58	35.95	14	50	25	*f* 45.33	20	16	19	18.00	6.2
Pocopson	25.73	31.24	27.95	29.31	27	46	27	42.00	20	5	20	10.83	6.2
West Haverford	26.42	34.61	-------	30.52	27	48	27?	44.50?	20	3	20?	11.00?	5.1
DELAWARE—													
Newark (*g*)	31.25?	34.06?	31.90?	33.40?	14	47?	11	*h* 35.67	19	10?	9?	24.33?	5.5
MARYLAND—													
Bladensburg (*g*)	28.00	40.19	30.57	32.92	14	54	27?	46.33?	20	10	20?	17.42?	5.4
Frederick	28.58	35.35	30.76	31.56	25	51	25	46.67	20	11	20	18.00	5.7
Schellman Hall	25.32	37.39	29.03	30.58	14	52	27	44.33	20	5	20	14.67	4.9
DISTRICT OF COLUMBIA—													
Washington	28.58	37.58	31.87	32.68	14	53	27	*i* 45.33	20	11	20	18.67	----
VIRGINIA—													
Alexandria	28.18	37.03	31.37	32.16	14	51	28	45.00	20	13	20	19.00	4.6
Ashland	28.16	40.19	31.97	33.44	28	57	26	52.33	8	6	8	16.00	5.5
Crichton's Store (*j*)	36.65	40.63	47.63	41.64	26	67	26	62.00	20	20	20	23.00	4.8
Lewisburg	29.26	40.52	33.52	34.43	28	58	28	52 67	8	*k* 15	8	30.33	5.9
Montcalm (*l*)	31.50	42.86	35.12	36.49	14	60	27	51.00	20	14	20	23.67	4.2
Smithfield	-------	-------	-------	34.35	----	59	10	50.15	----	15	20	20.50	----
Winchester	28.77	39.22	31.64	33.21	25	*m* 52	27	46.00	9	12	8	20.00	5.3
NORTH CAROLINA—													
Chapel Hill	32.39	48.68	37.15	39.51	25	67	26	59.67	9	*n* 20	5	*o* 28.00	6.0
Thornbury	31.47	46.02	35.64	37.70	26	64	26	56.83	8	*k* 18	20	23.50	4.9
SOUTH CAROLINA—													
All Saints	39.57	53.03	43.39	45.33	25	65	27	57.00	6	24	20	31.67	3.2
Camden	31.50	52.84	38.41	40.92	25	69	26	58.33	6	14	21	*p* 28.33	4.2
St. John's	34.68	52.14	40.86	42.56	----	67	26	59.00	----	18	5	32.00	----
GEORGIA—													
Savannah	41.90	56.30	47.50	48.57	25	72	26	62.53	6	24	20	35.88	3.8
Sparta	35.03	53.81	42.00	43.61	25	74	25	60.67	6	18	5	28.67	3.4
The Rock (*q*)	36.60	-----	-------	-------	----	49	----	-------	----	35	----	-------	2.0
Whitemarsh Island	39.68	54.45	45.32	46.48	3	*r* 68	26	59.00	6	21	20	*p* 33.67	3.5

a Observations taken at sunrise, noon, and sunset.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 15th, 16th, and 28th.
d Same temperature on the 13th and 27th.
e No observations before the 12th.
f Same temperature on the 14th.
g Observations incomplete.
h Same temperature on the 14th.
i Same temperature on the 28th.
j Observations taken at 9 a. m., noon, and 4 p. m. Very irregular.
k Same temperature on the 9th.
l Observations irregular.
m Same temperature on the 25th.
n Same temperature on the 21st and 22d.
o Same temperature on the 8th.
p Same temperature on the 5th.
q Observations taken in the morning.
r Same temperature on the 25th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys	51.03	58.29	55.77	55.03	24	70	3	64.67	6	32	6	*a*41.33	3.8
Jacksonville	37.96	59.99	50.38	49.44	1	72	1	66.33	6	28	20	39.67	1.3
Key West	63.65	67.68	.....	65.66	11	80	11	77.00	6	*b*52	21	55.00	4.2
Warrington (*c*)	45.55	60.74	55.87	54.05	1	*d*72	1	*e*62.67	20	28	5	*f*40.00	2.6
ALABAMA—													
Greene Springs	36.37	52.41	43.61	44.13	24	66	24	59.00	6	16	5	29.33	3.9
Tuscaloosa	38.51	53.40	42.80	44.90	25	68	25	63.83	6	20	20	30.07	4.0
MISSISSIPPI—													
Garlandsville	42.56	60.31	45.20	49.36	28	73	25	66.33	6	19	5	33.67	4.7
Oxford	39.11	50.72	43.71	44.51	25	66	25	62.33	6	17	6	*g*31.00	3.9
LOUISIANA—													
New Orleans	47.26	57.70	51.80	52.25	24	*h*73	25	67.00	20	31	20	35.67	4.2
TEXAS—													
Austin	37.74	58.32	43.97	46.68	26	*i*74	1	60.00	20	*j*25	5	28.33	4.0
New Wied	41.09	60.55	45.68	49.11	26	78	2	64.67	20	27	5	29.67	6.8
TENNESSEE—													
Glenwood	33.43	45.04	37.59	38.69	31	62	25	56.66	20	14	5	20.80	4.9
Knoxville	31.59	41.73	35.00	36.10	28	56	26	51.83	5	*f*16	5	22.33	4.9
KENTUCKY—													
Lallardsville	32.16	39.52	34.64	35.44	26	60	26	56.33	8	*a*16	5	19.67	6.4
Danville	36.00	45.84	38.87	40.24	26	65	26	59.33	8	18	5	26.00	4.8
Millersburg	32.81	39.45	34.32	35.53	26	57	26	55.00	8	14	5	21.00	6.1
Springdale	31.31	41.21	36.08	36.20	26	59	26	57.33	8	14	5	22.00	5.9
OHIO—													
Gallipolis	29.39	40.29	32.71	34.13	27	59	27	53.33	5	*k*12	8	18.67	----
Germantown	27.95	36.72	29.97	31.55	----	55	26	50.00	----	8	8	16.32	6.3
Granville	29.19	35.93	31.81	32.31	15	58	26	49.33	8	7	8	16.33	5.9
Hillsborough	29.10	36.53	31.47	32.37	26	54	26	53.67	8	10	19	17.00	6.2
Madison	28.45	33.48	28.44	30.12	13	52	24	40.67	20	10	18	17.00	8.1
Marietta	26.45	36.81	29.26	30.84	27	56	27	50.67	8	6	8	12.67	6.2
Mount Vernon	25.77	35.83	28.93	26.84	28	52	26	45.00	8	3	8	10.67	6.3
Norwalk (*l*)	28.26	33.35	27.19	28.28	28	49	26	45.67	8	*m*2	18	8.00	3.3
Oberlin	26.00	33.63	28.73	29.45	28	51	26	46.33	18	6	18	10.33	6.1
Perrysburg (*n*)	25.39	39.32	27.77	30.83	14	56	25	44.67	8	— 2	18	12.00	4.0
Richmond	.....	.....	.....	.....	----	.....	----	.....	----	.....	----	.....	6.1
Savannah	24.00	36.00	28.00	29.33	----	50	----	.....	----	12	----	.....	----
Urbana (*o*)	.....	.....	.....	.....	----	55	----	.....	----	4	----	.....	6.3
Zanesville	26.90	37.13	31.00	31.67	31	56	27	47.33	8	9	8	16.67	6.5
MICHIGAN—													
Ann Arbor, [Winchell]	20.93	29.13	23.39	24.48	25	44	24	38.67	19	— 9	18	1.33	6.4
Ann Arbor, [Woodruff]	20.95	29.98	23.89	24.94	13	*p*43	15	38.33	19	—10	18	0.33	6.5
Battle Creek	22.16	32.26	26.10	26.84	13	*i*44	27	39.33	18	— 2	18	9.00	5.9
Cooper	24.32	30.00	27.77	27.36	25	43	25	39.00	18	6	18	9.33	5.7
Detroit	24.65	30.35	26.26	27 09	25	45	24	*h*39.67	18	1	18	5.67	8.5
Flint	21.40	29.90	22.60	24.63	----	44	----	.....	----	—13	----	.....	----
Grand Rapids	22.00	31.29	25.45	26.25	15	45	15	41.67	19	— 3	18	10.00	5.5
Grand Traverse	.....	.....	.....	.....	----	.....	----	.....	----	.....	----	.....	3.0
Monroe, [Whelpley]	.....	.....	.....	.....	----	.....	----	.....	----	.....	----	.....	7.3
Monroe, [Perkins]	23.10	30.52	27.48	27.03	13	46	24	41.33	18	— 5	19	6.33	----
St. James	22.75	25.85	23.09	23.90	25	42	14	39.67	17	1	17	4.67	9.0
Sangatuck	25.80	32.12	27.10	28.34	----	42	----	.....	----	8	----	.....	----
INDIANA—													
Madison (*n*)	32.82	39.21	34.74	35.59	26	54	26	52.67	8	20	5	23.33	7.1
Milton	28.47	36.53	31.01	32.00	27	56	27	51.00	8	12	19	18.83	6.0
New Harmony	31.3	41.0	34.8	35.70	26	59	26	56.00	19	10	19	18.33	5.8
Richmond (*q*)	27.04	35.08	.....	31.06	27	50	25	*r*44.00	8	8	8	16.00	----

a Same temperature on the 20th.
b Same temperature on the 21st.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 28th.
e Same temperature on the 26th.
f Same temperature on the 6th.
g Same temperature on the 19th.
h Same temperature on the 25th.
i Same temperature on the 27th.
Same temperature on the 29th and 30th.
k Same temperature on the 8th.
l Observations taken at sunrise, 9 a. m., 1 p. m., and 9 p. m.; mean at sunrise, 24 34.
m Same temperature on the 18th.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Observations taken at sunrise and 2 p. m.
p Same temperature on the 14th and 25th.
q Observations taken at 7 a. m. and 1 p. m.
r Same temperature on the 24th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	25.45	40.68	32.77	32.97	30	57	26	51.67	18	*a* 3	19	15.67	4.9
Augusta	24.45	37.58	30.77	30.97	31	58	31	47.00	5	7	18	15.00	4.4
Manchester (*b*)	26.08	40.21	33.27	33.19	31	64	26	51.67	18	5	19	14.33	5.1
Ottawa	21.87	32.54	27.63	27.35	14	*c* 50	26	43.33	5	*d* 7	18	13.33	5.2
Upper Alton	29.31	41.87	35.17	35.45	26	59	26	55.50	19	12	19	20.00	8.3
MISSOURI—													
Hannibal	------	------	------	------	----	------	----	------	----	------	----	------	5.1
St. Louis	31.71	42.85	36.90	37.15	31	60	26	54.33	19	15	19	17.50	5.7
WISCONSIN—													
Beloit	18.90	30.22	24.03	24.38	15	44	26	37.33	5	— 1	19	10.00	4.2
Janesville	16.29	29.32	20.74	22.12	15	*e* 42	26	35.67	19	— 3	19	5.67	6.1
Milwaukie	23.56	31.48	27.20	27.41	22	46	14	*f* 38.67	18	— 2.5	18	6.17	4.8
Platteville	18.93	32.10	24.48	25.17	13	48	14	39.33	5	— 1	17	9.67	4.7
IOWA—													
Dubuque	22.22	32.03	27.81	27.69	13	50	13	38.33	19	*g* 9	28	12.00	4.7
Fort Madison (*h*)	23.23	36.94	31.16	30.44	26	53	26	45.00	19	4	19	9.33	4.4
Keokuk	24.10	39.26	27.70	30.35	26	55	25	42.00	19	6	19	12.67	5.3
Muscatine	20.03	34.65	25.84	26.84	26	50	15	40.00	5	4	19	13.33	3.5
Pella	18.65	35.09	22.03	25.26	25	52	13	38.33	5	— 4	28	8.00	----
Poultney	17.48	33.73	21.86	24.36	14	54	14	39.33	22	— 4	19	11.67	5.3
Quasqueton	17.68	33.04	22.86	24.53	13	50	26	36.00	----	— 1.5	28	9.83	4.9
MINNESOTA—													
St. Joseph's (*i*)	11.57	17.17	11.30	13.35	14	49	12	40.67	17	—26	28	14.67	5.0
CALIFORNIA—													
Sacramento, [Hatch] (*j*)	37.25	55.12	47.41	48.42	----	66	1	57.75	----	28	29	42.00	----
Sacramento, [Logan]	47.93	------	------	47.93	----	68	----	------	----	29	----	------	----
San Francisco (*k*)	47.03	60.65	49.39	52.10	----	------	----	------	----	------	----	------	----
Stockton (*l*)	41.61	59.45	48.23	49.76	----	70	1	60.00	----	30	29	42.67	----
MEXICO—													
Mirador (*m*)	------	------	------	59.52	----	------	----	63.50	----	------	----	54.50	----
CENTRAL AMERICA—													
Truxillo, Honduras (*n*)	73.47	74.69	------	74.08	29	78	29	77.50	17	68	17	70.50	----
SOUTH AMERICA—													
Colonia Tovar (*o*)	53.45	66.56	59.13	61.26	9	73	3	*p* 63.20	2	46	22	59.20	----
EASTERN CONTINENT—													
Mosul, Mesopotamia (*q*)	------	------	------	50.60	----	61.4	----	------	----	42.8	----	------	----

a Same temperature on the 22d
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 26th.
d Same temperature on the 11th, 12th, and 18th.
e Same temperature on the 15th and 26th.
f Same temperature on the 15th.
g Same temperature on the 29th.
h Observations taken at 6 a. m., noon, and 7 p. m.
i Doubtful, from obscurity of record.
j Observations taken at sunrise, noon, sunset, and 10 p. m.; mean at sunset, 53.90.
k Observations taken at sunrise, 9 a. m., noon, and 10 p. m.; mean at 9 a. m., 51.32.
l Observations taken at 8 a. m., 2 p. m., and 8 p. m.
m Hours of observation not given.
n Observations taken at 9 a. m. and 3 p. m.
o Observations taken at sunrise, 9 a. m., 12 m., 3 p. m., and sunset; mean at 9 a. m., 63.58; mean at 3 p. m., 63.58.
p Same temperature on the 5th.
q Hours of observation not known.

No. 26.—PSYCHROMETER, JANUARY, 1854.

NAME OR STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Albion Mines	.092	.103	.103	12	.375	30	.012	81	71	82	55	47	53
Halifax (*a*)	------	------	------	----	-----	----	------	73	63	57	------	------	------
CANADA EAST—													
St. Martin's	.064	.082	.072	12	.292	25	.008	85	85	82	00	50	29
St. Martin's (*b*)	.072	.094	.083	12	.312	29	.005	81	83	87	55	60	75
VERMONT—													
Burlington	.074	.097	.085	12	.348	22	*c*.000	54	60	65	00	5	17
MASSACHUSETTS—													
Amherst	.104	.122	.117	12	.365	29	.028	92	75	87	63	54	51
Nantucket	.160	.172	.162	12	.361	29	.011	82	75	83	34	8	14
New Bedford	.147	.163	.151	12	.382	29	.029	93	83	90	71	50	73
Newburyport	.099	.119	.095	6	.453	25	.005	66	61	63	22	27	17
North Attleboro'	.121	.128	.121	12	.376	29	.029	85	65	81	8	35	48
Princeton	.102	.110	.106	12	.372	28	*d*.026	88	77	82	52	53	49
Worcester	.084	.111	.093	12	.361	28	.000	48	57	56	0	0	0
CONNECTICUT—													
Pomfret	.117	.147	.126	12	.374	29	.032	91	84	88	70	61	53
NEW YORK—													
Madrid	.070	.097	.081	12	.276	26	.004	83	77	86	49	25	68
New York city, [D. & D. Inst.]	.133	.158	.128	12	.383	28	.029	82	76	74	44	61	32
Troy	.124	.097	.115	12	.402	29	.039	80	62	77	54	32	51
NEW JERSEY—													
Bloomfield	.125	.144	.138	12	.335	25	.037	78	70	79	49	40	53
PENNSYLVANIA—													
Lima	.130	.152	.139	12	.441	3	.029	83	70	83	41	31	47
Norristown	.139	.142	.140	12	.439	23	.019	75	61	76	40	28	20
Philadelphia	.159	.180	.167	12	.483	3	.070	89	85	86	66	48	57
Youngsville	.114	.123	.109	12	.309	1	*e*.044	90	77	89	49	33	49
VIRGINIA—													
Alexandria	.164	.183	.166	21	.488	23	.055	79	67	73	49	37	43
NORTH CAROLINA—													
Thornbury	.196	.211	.194	12	.404	23	.039	82	53	68	41	17	22
SOUTH CAROLINA—													
Camden	.239	.273	.241	27	.648	23	.068	88	58	78	59	25	44
St. John's	.274	.313	.306	----	------	----	------	81	65	79	54	27	48
GEORGIA—													
Culloden	.258	.289	.270	17	.787	23	.071	80	66	75	46	32	36
Savannah	.314	.339	.338	18	.607	23	.101	84	62	78	51	28	46
Sparta	.313	.300	.305	20	.644	27	.118	89	63	84	62	40	48
FLORIDA—													
Jacksonville	.384	.527	.410	15	.897	8	.040	91	82	86	73	59	13
Warrington	.460	.502	------	20	.733	9	.238	99	91	------	71	42	------
ALABAMA—													
Tuscaloosa	.235	.282	.259	20	.886	4	.000?	83	61	72	00	25	20
MISSISSIPPI—													
Jackson	.217	.281	.242	16	.771	8	*f*.000	75	61	68	4	00	00
LOUISIANA—													
New Orleans	.367	.414	.390	15	.772	20	.130	90	74	86	56	39	53
TEXAS—													
Austin	.250	.282	.253	15	.599	21	.036	84	63	77	36	24	32
New Wied	.210	.268	.204	20	.612	26	*g*.000	63	52	57	28	00	00
TENNESSEE—													
Glenwood	.166	.178	.165	19	.535	2	.031	74	59	73	4	26	40
Knoxville	.166	.201	.181	20	.405	23	.042	91	79	80	50	41	36
Lebanon	.157	.196	.176	16	.522	7	.026	72	56	68	24	32	25

a Observations taken at 6 a. m., 3 p. m., and 8 p. m.; and humidity calculated from Glaisher's tables.
b These values are computed from the observer's reductions of the same observations as the preceding, but by the use of a different set of tables.
c Same amount on the 25th and 29th.
d Same amount on the 30th.
e Same amount on the 21st, 23d, and 25th.
f Same amount on the 17th, 21st, 23d, and 31st.
g Same amount on the 7th.

No. 26.—PSYCHROMETER, JANUARY, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Springdale	.160	.195	.191	11	.556	23	.008	83	80	86	20	40	44
OHIO—													
Germantown	.126	.138	.131	20	.427	21	.040	85	68	81	52	43	55
Hillsborough	.144	.156	.156	20	.451	23	.035	89	75	90	57	31	54
Keene (*a*)	.113	.141	.118	16	*b*.309	13	*c*.034	72	71	75	46	54	54
Zanesville	.154	.194	.174	20	.546	23	.051	85	83	80	49	60	49
MICHIGAN—													
Brooklyn	.089	.118	.098	20	.225	23	.015	79	82	83	52	65	54
INDIANA—													
New Harmony	.146	.151	.145	19	.459	20	.039	90	70	85	55	33	41
MISSOURI—													
St. Louis	.111	.126	.118	5	.288	21	.025	76	64	68	37	30	41
IOWA—													
Dubuque	.067	.082	.085	3	.309	6	.007	86	71	84	28	51	53

a No observation after the 27th.
b Same amount on the 20th.
c Same amount on the 23d.

No. 27.—PSYCHROMETER, FEBRUARY, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Albion Mines	.090	.099	.085	9	.327	5	.017	86	74	84	57	51	50
Halifax (*a*)	------	------	------	----	------	----	------	69	65	69	------	------	------
CANADA EAST—													
St. Martin's	.053	.096	.073	1	.275	25	.006	77	78	83	30	21	66
St. Martin's (*b*)	.060	.109	.082	9	.217	4	*c*. 009	80	81	86	53	53	75
NEW HAMPSHIRE—													
Hanover (*d*)	.081	.072	.083	26	.192	25	.026	84	62	75	71	47	62
VERMONT—													
Burlington	.073	.079	.066	1	.215	3	*e*. 000	53	57	54	00	9	00
MASSACHUSETTS—													
Amherst	.256	.301	.279	27	.233	23	.034	56	76	82	71	50	47
Nantucket	.129	.130	.130	26	.290	3	.000	72	64	71	23	27	00
New Bedford	.132	.145	.145	1	.322	7	.038	95	81	93	85	50	77
Newburyport	.097	.116	.110	1	.280	12	.013	74	65	71	29	30	22
North Attleboro'	.105	.102	.091	26	.283	2	*f*. 00	85	59	66	56	00	00
Princeton	.087	.092	.087	9	.187	9	.020	88	74	85	39	45	49
Worcester	.077	.081	.082	26	.295	3	*g*. 000	62	51	50	00	00	00
CONNECTICUT—													
Pomfret	.108	.129	.121	26	.311	5	.046	92	81	89	67	53	70
NEW YORK—													
Madrid	.076	.075	.078	8	.205	9	*h*. 000	89	69	83	00	00	00
New York city, [D. & D. Inst.]	.127	.171	.132	8	.308	23	.025	81	79	76	63	46	22
Penn Yan	------	.102	------	----	------	----	------	------	59	------	------	31	------
Troy	.108	.106	.104	15	.209	11	*i*. 049	85	63	79	61	38	47
NEW JERSEY—													
Bloomfield	.114	.143	.145	8	.328	23	.049	78	66	80	46	34	40
PENNSYLVANIA—													
Lima	.129	.144	.147	14	.437	3	.017	83	65	79	61	27	33
Norristown	.115	.164	.133	14	.365	4	*j*. 036	72	70	70	36	34	36
Philadelphia	.153	.195	.171	14	.456	10	.076	89	77	83	63	33	40
Youngsville	.119	.173	.129	1	.321	3	.042	98	96	97	78	62	84
MARYLAND—													
Frederick (*k*)	.121	.133	.147	26	.253	23	.059	80	57	75	60	37	46
DISTRICT OF COLUMBIA—													
Washington	.200	.237	.231	15	.502	3	.061	81	65	81	38	37	51
VIRGINIA—													
Alexandria	.144	.179	.159	15	.448	5	*l*. 000	77	56	65	57	00	00
NORTH CAROLINA—													
Thornbury	.183	.193	.176	26	.594	11	*m*.000	71	43	61	00	00	00
SOUTH CAROLINA—													
Camden	.240	.263	.253	26	.554	12	.000	85	57	69	61	12	00
St. John's	.292	.361	.305	----	------	----	-----	84	63	78	73	17	19
GEORGIA—													
Culloden	.258	.311	.285	15	.531	3	.114	84	64	71	67	41	45
Savannah	.304	.308	.328	26	.590	3	.094	83	51	75	55	26	47
Sparta	.245	.292	.279	14	.478	3	.118	82	57	83	54	41	67
FLORIDA—													
Jacksonville	.367	.506	.418	15	.731	12	.020	88	75	85	52	61	5
MISSISSIPPI—													
Jackson	.238	.386	.292	6	.583	4	.088	90	82	90	62	45	65
Lake Washington (*n*)	.260	.250	------	14	.556	3	.073	79	49	------	55	22	------

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table 26.
c Same amount on the 5th.
d For the last five days of the month only.
e Same amount on the 23d and 24th.
f Same amount on the 9th, 18th, 19th, and 28th.
g Same amount on the 4th, 7th, 9th, 10th, 18th, 19th, 23d, 25th, and 28th.
h Same amount on the 18th, 19th, and 22d.
i Same amount on the 25th.
j Same amount on the 23d.
k For the last 16 days of the month.
l Same amount on the 12th, 17th, 20th, 24th, and 27th.
m Same amount on the 17th, 19th, 23d, 24th, and 28th.
n Imperfect.

No. 27 —PSYCHROMETER, FEBRUARY, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches.*						
LOUISIANA—													
New Orleans	.345	.397	.393	15	.708	17	.139	89	73	86	56	40	43
TEXAS—													
Austin	.302	.291	.319	14	.596	2	.079	89	51	77	64	23	28
New Wied	.277	.385	.316	12	.666	26	.053	72	62	72	18	31	45
TENNESSEE—													
Glenwood	.179	.201	.197	14	.493	7	*a*. 000	69	54	69	00	00	36
Knoxville	.176	.211	.214	26	.469	18	.000	75	59	77	37	17	00
Lebanon	.167	.196	.184	14	.480	3	.051	69	49	64	21	14	24
KENTUCKY—													
Springdale	.163	.236	.222	14	.492	4	.000	79	71	78	00	40	48
OHIO—													
Germantown	.147	.176	.155	14	.462	3	.071	81	64	76	56	31	53
Hillsborough	.151	.191	.170	14	.456	23	.059	81	65	77	43	25	35
MICHIGAN—													
Brooklyn	.120	.138	.112	13	.348	4	.005	87	75	78	17	50	51
St. James* (*b*)	.093	.119	.099	21	.267	16	.038	100	95	93	100	49	26
INDIANA—													
Greencastle (*c*)	.158	.105	.135	13	.361	6	*d*. 000	76	52	79	00	00	00
New Harmony	.196	.201	.188	14	.589	17	.040	86	64	80	16	18	5
ILLINOIS—													
Ottawa	.137	.217	.148	12	.423	17	.022	90	85	88	45	62	58
MISSOURI—													
St. Louis	.155	.163	.159	12	.367	3	.070	76	57	64	53	20	30
IOWA—													
Dubuque	.108	.138	.127	20	.263	3	.053	85	65	79	68	48	52

a Same amount on the 15th and 16th.
b For the last 22 days of the month only.
c Only 24 observations during the month.
d Same amount on the 19th

*In this table, and several which follow, the force of vapor and relative humidity of the air at this place were computed from a comparison of the wet bulb and open air thermometer, which is probably incorrect, the observations indicating that the two instruments were differently exposed.

J. H. C.

No. 28.—PSYCHROMETER, MARCH, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches*		*Inches*						
NOVA SCOTIA—													
Albion Mines	.109	.115	.115	16	.225	3	.043	86	69	87	55	23	69
Halifax (*a*)	------	------	------	----	------	----	------	65	84	77	------	------	------
CANADA EAST—													
St. Martin's	.107	.164	.126	12	.277	22	.035	87	50	86	68	60	52
St Martin's (*b*)	.119	.182	.137	16	.343	21	.041	85	82	85	73	70	70
NEW HAMPSHIRE—													
Hanover	.110	.113	.112	16	.242	19	.035	84	57	74	37	27	23
VERMONT—													
Burlington	.102	.124	.119	15	.282	20	.008	68	53	67	19	8	27
MASSACHUSETTS—													
Amherst	.137	.163	.148	16	.376	19	.056	88	72	82	53	19	38
Nantucket	.128	.129	.142	3	.267	21	.003	61	47	64	12	2	00
New Bedford	.151	.187	.175	16	.383	21	.067	89	72	94	63	38	78
Newburyport	.135	.144	.140	15	.270	21	.043	82	63	75	41	38	44
North Attleboro'	.132	.147	.142	16	.321	22	.000	80	58	75	41	00	30
Princeton (*c*)	.114	.136	.117	29	.310	19	*d*. 049	84	74	82	62½	52	61
Worcester	.103	.130	.113	16	.260	19	*e*. 000	52	55	58	00	12	00
CONNECTICUT—													
Pomfret	.110	.187	.166	16	.420	21	.060	90	79	91	70	51	70
NEW YORK—													
Madrid	.125	.136	.133	15	.251	2	.000	77	67	77	27	36	00
New York city, [D.& D. Inst.]	.160	.196	.165	16	.388	28	.040	74	69	74	48	41	31
Penn Yan	------	.155	------	----	------	----	------	------	60	------	------	27	------
Troy	.135	.148	.160	15	.297	18	.041	78	55	71	47	21	31
NEW JERSEY—													
Bloomfield	.141	.182	.170	14	.433	29	.041	72	57	75	38	23	37
PENNSYLVANIA—													
Lima	.159	.224	.175	10	.465	29	.046	76	59	70	42	20	34
Norristown	.183	.256	.201	14	.644	18	.043	80	71	74	33	26	31
Philadelphia	.193	.220	.214	10	.487	27	.054	82	62	75	35	23	35
Youngsville	.145	.164	.133	3	.348	27	.044	94	76	79	62	18	23
MARYLAND—													
Frederick	.177	.206	.199	10	.446	28	.056	76	54	70	28	22	21
DISTRICT OF COLUMBIA—													
Washington	.240	.259	.233	10	.618	28	.064	86	61	72	49	21	32
VIRGINIA—													
Alexandria	.195	.232	.228	10	.580	26	.077	75	54	69	44	20	33
NORTH CAROLINA—													
Thornbury	.262	.257	.280	3	.633	26	.000	77	41	63	30	13	00
SOUTH CAROLINA—													
Camden	.320	.338	.350	10	.601	26	.093	81	46	71	36	20	37
St. John's	.326	.314	.359	----	----------	----	------	77	49	71	30	19	10
GEORGIA—													
Culloden	.359	.402	.371	10	.653	26	.063	72	57	61	29	27	28
Savannah	.412	.401	.437	22	.632	27	.134	81	47	73	38	18	33
Sparta	.363	.426	.399	17	.707	26	.131	80	53	77	43	29	51
FLORIDA—													
Jacksonville	.522	.649	.556	18	.909	26	.273	89	70	87	56	56	73
MISSISSIPPI—													
Jackson (*f*)	.369	.518	.410	17	1.079	23	.127	88	73	83	51	36	25
Lake Washington (*g*)	.321	.333	------	15	.629	26	.048	66	48	------	19	11	------
LOUISIANA—													
New Orleans	.505	.569	.547	9	.827	26	.263	92	74	89	62	53	64
TEXAS—													
Austin	.458	.418	.495	30	.706	11	.177	83	51	86	54	25	54
New Wied	.509	.605	.532	30	.963	4	.077	80	67	82	28	11	58
TENNESSEE—													
Glenwood	.272	.270	.272	9	.606	18	.076	76	52	66	32	21	20
Knoxville	.277	.407	.313	16	.788	18	*h*. 000	81	75	74	09	42	60
Lebanon	.261	.271	.278	9	.594	26	.031	70	47	64	20	12	22

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Observations omitted on the 7th and 14th to the 17th, inclusive.
d Same amount on the 21st.
e Same amount on the 24th, 27th, 28th, and 29th.
f Incomplete.
g Imperfect.
h Same amount on the 25th and 26th.

No. 28.—PSYCHROMETER, MARCH, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches*						
Springdale	.239	.270	.265	15	.591	5	.041	82	58	71	53	19	36
OHIO —													
College Hill (*a*)	.249	.303	.235	16	.523	17	.074	78	58	61	26	25	25
Germantown	.196	.205	.219	16	.492	26	.065	82	52	77	54	26	40
Hillsborough	.208	.206	.206	15	.500	17	.032	77	51	68	47	21	11
Oberlin	.203	.244	.239	15	.460	18	.082	81	66	82	63	33	45
MICHIGAN—													
Brooklyn	.162	.197	.184	15	.491	25	.036	81	70	82	55	26	53
St. James	.136	.185	.141	15	.375	17	*b*. 000	98	91	93	70	00	00
INDIANA —													
New Harmony	.227	.250	.246	15	.573	20	.023	76	55	76	30	1	32
ILLINOIS—													
Ottawa	.160	.306	.211	15	.586	18	.074	91	84	88	80	63	70
Upper Alton (*c*)	.261	.401	.297	15	.799	10	.155	88	82	88	76	58	66
MISSOURI—													
St Louis	.207	.204	.204	7	.480	18	.060	72	52	61	43	15	29
IOWA—													
Dubuque	.157	.167	.181	2	.352	17	.039	75	50	70	45	21	37
Muscatine (*d*)	.135	.209	.153	22	.348	26	.017	70	76	76	18	44	42

a Observations omitted from the 1st to the 8th and from the 18th to the 31st.
b Same amount on the 19th and 26th.
c Incomplete.
d For the last eleven days of the month only.

No. 29.—PSYCHROMETER, APRIL, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	---	------	---	------	86	74	76	------	------	------
CANADA EAST—													
St. Martin's	.158	.244	.168	20	.420	2	*b*.079	85	78	84	61	47	64
St. Martin's (*c*)	.141	.268	.196	21	.421	2	.080	84	81	85	64	57	68
NEW HAMPSHIRE—													
Hanover	.142	.170	.158	30	.415	11	*d*.000	74	56	68	00	9	39
VERMONT—													
Burlington	.140	.170	.159	26	.348	24	.025	67	54	63	31	21	9
MASSACHUSETTS—													
Amherst	.213	.222	.208	27	.551	14	.070	81	59	78	46	19	37
Nantucket	.209	.197	.213	29	.403	5	.000	69	60	82	00	20	56
New Bedford	.220	.246	.226	27	.456	3	.108	82	69	88	55	40	46
Newburyport	.169	.185	.185	30	.365	3	*e*.000	72	59	73	00	00	00
North Attleboro'	.204	.192	.192	27	.513	3	*f*.009	77	51	76	00	00	00
Princeton	.174	.197	.189	27	.480	2	.000	76	64	76	00	00	42
Worcester	.161	.177	.185	26	.519	2	*g*.000	66	54	72	00	00	36
CONNECTICUT—													
Pomfret	.212	.270	.219	27	.559	14	.093	88	75	86	59	38	66
NEW YORK—													
Leroy (*h*)	.211	.250	------	26	.503	2	.105	77	72	------	27	38	------
Madrid	.160	.166	.181	30	.311	11	*i*.000	71	53	78	00	00	00
New York city, [D. & D. Inst.]	.227	.252	.221	27	.551	11	.094	79	64	75	30	28	31
Penn Yan	------	.193	------	---	------	---	------	------	57	------	------	25	------
Troy	.202	.176	.213	26	.525	14	.065	74	51	69	51	19	37
NEW JERSEY—													
Bloomfield (*j*)	.200	.279	.215	9	.497	3	.088	76	60	80	59	45	61
PENNSYLVANIA—													
Lima	.253	.256	.255	27	.527	2	.026	78	58	83	12	21	50
Norristown	.240	.318	.259	28	.633	3	.116	76	63	74	38	28	26
Philadelphia	.254	.276	.273	27	.539	2	.089	78	56	72	44	31	35
Youngsville	.193	.231	.196	25	.442	16	.059	86	65	77	49	22	27
Warrior's Mark	.188	.218	.203	25	.462	1	*k*.000	69	49	66	00	00	00
MARYLAND—													
Frederick	.244	.259	.279	27	.560	12	.088	78	60	74	56	26	35
DISTRICT OF COLUMBIA—													
Washington	.308	.344	.310	26	.631	1	.139	83	58	77	50	38	56
VIRGINIA—													
Alexandria	.264	.277	.285	27	.562	2	.000	76	61	73	00	23	00
NORTH CAROLINA—													
Thornbury	.325	.291	.299	26	.576	2	.080	79	46	71	30	11	42
SOUTH CAROLINA—													
Camden	.367	.398	.373	8	.981	19	.129	82	52	74	56	20	40
St. John's	.361	.357	.338	---	------	---	------	79	45	74	50	18	45
GEORGIA—													
Culloden	.407	.372	.357	27	.612	3	*l*.059	76	51	64	59	15	31
Savannah	.417	.416	.419	26	.723	3	.115	79	48	72	55	26	42
Sparta	.381	.431	.392	23	.721	2	.019	79	54	74	70	34	20
FLORIDA—													
Jacksonville	.511	.603	.527	27	.846	3	.225	85	72	86	53	45	65
MISSISSIPPI—													
Jackson	.377	.521	.423	26	.963	1	.136	86	68	84	57	35	56
LOUISIANA—													
New Orleans	.441	.481	.483	13	.791	1	.146	81	65	80	48	32	36
TEXAS—													
Austin	.426	.357	.453	13	*m*.658	2	.097	71	58	77	46	13	25
New Weid	.464	.613	.504	21	.983	17	.163	71	58	77	48	23	26

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b Same amount on the 14th.
c See note for this place in table 25.
d Same amount on the 24th.
e Same amount on the 4th, 12th, 16th, and 19th.
f Same amount on the 4th, 11th, 14th, and 16th.
g Same amount on the 3d, 5th, 11th, 15th, and 25th.
h Incomplete.
i Same amount on the 13th, 14th, 16th, and 17th.
j Observations omitted after the 15th.
k Same amount on the 2d, 3d, 11th, and 28th.
l Same amount on the 4th.
m Same amount on the 23d and 25th.

No. 29.—PSYCHROMETER, APRIL, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
TENNESSEE—													
Glenwood	.304	.291	.301	22	.541	1	.061	73	43	59	51	19	21
Knoxville	.297	.341	.329	25	.836	3	.103	82	57	74	63	31	50
KENTUCKY—													
Springdale	.267	.347	.337	23	.744	2	.096	84	56	73	41	34	45
OHIO—													
Germantown	.274	.275	.276	22	.537	2	.099	82	55	77	57	31	48
Hillsborough	.253	.279	.253	26	.510	2	.106	74	59	70	46	34	41
Oberlin	.282	.317	.276	21	.588	28	.131	93	76	87	75	46	64
INDIANA—													
New Harmony	.311	.311	.335	23	.892	1	*a* .097	79	49	75	53	22	45
ILLINOIS—													
Ottawa	.305	.528	.323	24	1.074	29	.118	89	81	92	48	65	61
Upper Alton	.389	.505	.417	22	.839	10	.149	87	74	81	69	40	53
MISSOURI—													
St Louis	.297	.305	.298	23	.650	2	.083	70	49	65	44	28	42
IOWA—													
Dubuque	.228	.235	.241	21	.527	15	.036	64	41	58	44	9	39
Muscatine	.232	.295	.270	8	.574	15	.000	77	45	72	00	19	32
MINNESOTA—													
St. Anthony's Falls	.253	.323	.266	24	.623	2	.063	90	62	84	67	38	62

a Same amount on the 2d.

No. 30.—PSYCHROMETER, MAY, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	93	71	87	------	------	------
CANADA EAST—													
St Martin's	.292	.380	.314	17	.643	6	.111	70	56	73	36	33	51
St. Martin's (*b*)	.315	.417	.344	16	.660	6	.110	77	64	77	49	45	60
NEW HAMPSHIRE—													
Hanover	.304	.307	.293	19	.621	14	.000	82	48	66	44	19	00
VERMONT—													
Burlington	.315	.371	.311	21	.641	6	.082	67	53	65	46	26	43
MASSACHUSETTS—													
Amherst	.380	.419	.380	18	.623	6	.087	86	60	77	47	38	36
Nantucket	.345	.291	.334	18	.567	16	.116	79	54	82	55	17	36
New Bedford	.376	.457	.384	15	*c*. 691	6	.152	86	73	92	60	48	69
Newburyport	.310	.333	.312	19	.540	6	.077	69	51	67	26	14	23
North Attleboro'	.368	.394	.363	18	.604	7	.091	78	57	82	43	25	39
Princeton	.324	.342	.311	18	.565	6	.062	78	57	74	44	30	40
Worcester	.317	.347	.352	18	.664	6	.052	66	54	71	33	25	29
CONNECTICUT—													
Pomfret	.382	.457	.410	20	.680	6	*d*. 118	88	74	91	52	48	59
NEW YORK—													
Beaver Brook	.401	.560	.437	28	.819	7	.168	94	80	85	85	51	61
Madrid (*e*)	.269	.277	.305	14	.561	6	.106	61	51	51	46	29	42
New York city, [D. & D. Inst.]	.363	.393	.366	15	.626	6	.077	71	62	73	36	24	32
Penn Yan	------	.323	------	----	------	----	------	------	47	------	------	39	------
Troy	.345	.324	.359	18	.592	6	.059	69	45	63	39	23	33
NEW JERSEY—													
Bloomfield	.365	.428	.393	15	.694	6	.085	80	59	80	39	25	37
PENNSYLVANIA—													
Lima	.412	.436	.422	15	.722	6	.087	81	60	79	40	20	29
Norristown	.391	.478	.420	15	.800	6	.071	79	60	79	40	15	33
Philadelphia	.414	.446	.439	14	.772	7	.077	75	55	71	31	25	38
Sugar Grove	.300	.288	.268	25	.551	6	.006	69	46	64	39	2	36
Warrior's Mark	.309	.328	.333	29	.709	6	.052	74	44	70	21	12	23
MARYLAND—													
Frederick	.390	.399	.416	25	.688	7	.079	68	46	86	28	21	25
DISTRICT OF COLUMBIA—													
Washington	.448	.509	.487	10	.884	7	.112	80	57	78	34	26	24
VIRGINIA—													
Alexandria	.441	.431	.446	17	.725	7	.091	74	51	70	31	23	28
NORTH CAROLINA—													
Thornbury	.516	.450	.491	17	.667	7	.124	82	46	77	54	18	47
SOUTH CAROLINA—													
Aiken	.572	.574	.616	27	.775	5	.242	81	58	75	45	29	46
Camden	.545	.525	.559	17	.788	1	.195	79	53	75	42	24	44
St. John's	.534	.568	.591	----	------	----	------	88	59	85	76	27	66
GEORGIA—													
Culloden	.550	.558	.571	26	.895	4	.183	78	57	70	48	31	28
Savannah	.640	.624	.612	15	.821	1	.232	85	59	82	57	32	50
Sparta(*f*)	.530	.650	.605	30	1.138	1	.182	85	52	75	61	31	32
FLORIDA—													
Jacksonville	.757	.843	.738	17	1.176	1	.316	87	76	90	49	62	77
MISSISSIPPI—													
Jackson	.582	.764	.642	----	------	----	------	90	80	95	54	34	69
LOUISIANA—													
New Orleans	.676	.680	.704	30	.895	3	.323	93	63	87	78	34	45
TEXAS—													
Austin	.579	.514	.616	25	.812	1	.262	85	50	86	62	22	54
New Wied	.621	.814	.651	31	1.201	5	.217	81	71	83	46	31	33

a Observations at 6 a. m., 3 p. m., and 8 p. m., and humidity computed from Glaisher's tables.
b See note for this place in table 26.
c Same amount on the 16th.
d Same amount on the 7th.
e Observations omitted after the 16th.
f Imperfect.

No. 30.—PSYCHROMETER, MAY, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
TENNESSEE—	*Inches*	*Inches.*	*Inches*		*Inches*		*Inches.*						
Glenwood	.457	.492	.501	26	.787	1	.225	85	60	78	49	30	29
Knoxville	.441	.540	.494	23	.726	1	.162	84	63	79	50	28	35
KENTUCKY—													
Springdale	.389	.520	.503	29	.884	19	.191	90	62	82	51	38	49
OHIO—													
Germantown	.375	.385	.389	25	.727	7	.174	81	52	80	53	25	47
Hillsborough	.380	.408	.366	14	.720	5	110	76	58	71	18	13	33
Oberlin	.386	.427	.367	14	.705	6	.175	84	66	76	67	49	56
MICHIGAN—													
St. James	.341	.429	.309	24	.826	8	.138	94	96	97	45	73	39
INDIANA—													
New Harmony	.457	.549	.496	24	.944	1	.196	80	58	74	37	28	48
La Fayette	------	.347	------	----	------	----	------	-----	41	------	------	13.5	------
ILLINOIS—													
Ottawa	.459	.631	.455	25	1.111	2	.222	89	79	93	72	66	70
Upper Alton	.477	.742	.514	30	1.065	2	.218	89	88	85	73	61	67
MISSOURI—													
St. Louis	.411	.438	.457	30	.756	10	.130	72	46	70	45	21	43
IOWA—													
Dubuque	.300	.299	.330	27	.619	5	.087	61	41	64	32	14	28
Muscatine	.338	.459	.377	28	.873	3	.129	82	59	79	52	18	39
MINNESOTA—													
St. Anthony's Falls	.315	.432	.330	28	1.038	29	.021	82	63	80	3	23	33

No. 31.—PSYCHROMETER, JUNE, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches.*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	87	71	84	------	------	------
CANADA EAST—													
St Martin's	.397	.554	.449	27	.986	1	.163	80	66	83	49	34	49
St Martin's (*b*)	.430	.564	.451	27	.910	1	.180	83	70	83	57	43	58
NEW HAMPSHIRE—													
Hanover	.387	.434	.428	28	.678	14	.094	86	52	81	19	20	56
VERMONT—													
Burlington	.424	.464	.438	28	.827	1	.191	75	55	78	51	27	62
Fairf x (*c*)	.482	.564	.528	28	.812	26	.275	80	73	87	65	55	81
MASSACHUSETTS—													
Amherst	.523	.547	.498	6	.752	2	.283	92	64	83	75	37	52
Nantucket	.438	.438	.449	19	.594	4	.116	77	62	82	62	17	40
New Bedford	.517	.624	.517	19	.913	1	.291	90	77	94	79	57	81
Newburyport	.413	426	.431	15	*d*. 621	17	.176	73	55	74	40	20	49
North Attleboro'	.474	.480	.483	28	.701	1	.178	78	57	87	49	22	68
Princeton	.398	.433	.444	28	.752	1	.218	75	60	81	43	29	44
Worcester	.395	.461	.433	28	.679	2	.160	67	59	73	37	30	49
CONNECTICUT—													
Pomfret	.506	.468	.507	19	.708	1	.203	89	73	87	70	47	42
NEW YORK—													
Beaver Brook	.495	.743	.371	20	.976	1	.310	91	78	86	88	61	77
Buffalo, [Allen]	--------	.576	------	27	*e*. 718	1	.356	------	77	------	------	49	------
Buffalo, [Hunt]	.560	.571	.602	27	.772	17	.330	77	74	74	53	39	62
Leroy, (*f*)	.470	.553	------	27	.935	1	.245	76	62	------	56	34	------
Madrid	.411	.449	.433	28	.838	6	.219	75	60	82	45	23	42
New York city, [D.& D. Inst.]	.479	.521	.504	28	.783	2	.239	69	58	76	47	29	54
Penn Yan	--------	.448	------	--	------	----	------	------	49	------	------	28	------
Troy	.456	.456	.484	28	.742	1	.156	75	47	66	51	20	44
NEW JERSEY—													
Bloomfield	.514	.637	.529	28	.921	1	.294	86	67	86	68	47	28
PENNSYLVANIA—													
Lima	.539	.597	.569	27	.884	1	.256	85	66	87	59	43	72
Norristown	.544	.663	.571	21	.962	1	.287	85	66	83	55	38	59
Philadelphia	.544	.584	.577	28	.992	1	.261	78	59	74	57	33	56
Warrior's Mark	.474	.535	.496	19	.808	1	.246	85	59	83	66	33	20
MARYLAND—													
Frederick	.532	.541	.559	19	.758	1	.253	70	49	80	56	33	56
DISTRICT OF COLUMBIA—													
Washington	.610	.649	.634	30	.925	1	.330	77	60	80	33	43	59
VIRGINIA—													
Alexandria	.408	.578	.561	24	.910	1	.272	69	54	73	43	39	51
NORTH CAROLINA—													
Thornbury	.575	.512	.608	30	.866	28	.000	78	45	82	49	26	60
SOUTH CAROLINA—													
Aiken	.684	.652	.703	30	.935	2	.336	82	58	72	69	36	42
Camden	.645	.621	.677	28	1.313	2	.276	81	53	76	64	28	48
St John's	.666	.727	.738	----	------	----	-----	90	69	91	68	45	70
GEORGIA—													
Culloden	.665	.661	.702	30	.996	2	.303	77	61	77	49	31	45
Savannah	.740	.754	.774	26	.971	2	.383	83	63	84	60	37	71
Sparta (*g*)	.610	.635	.706	22	.860	2	.336	89	52	79	65	31	56
FLORIDA—													
Jacksonville	.862	.954	.850	26	1.138	2	.523	88	79	90	72	58	56
ALABAMA—													
Tuscaloosa	.704	.703	.789	26	.980	2	.382	85	59	81	65	44	64
MISSISSIPPI—													
Lake Washington	.737	.605	.876	24	.946	8	.397	82	62	81	69	33	71
LOUISIANA—													
New Orleans (*f*)	.789	.747	.818	30	.972	3	.519	92	65	87	79	44	69

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c For the last six days of the month only.
d Same amount on the 19th.
e Same amount on the 28th.
f Incomplete.
g No observations after the 23d.

No. 31.—PSYCHROMETER, JUNE, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
TEXAS—													
Austin	.649	.580	.664	13	*a* .785	7	.416	76	50	75	64	31	42
New Wied	.820	.975	.835	17	1.296	4	.639	83	67	88	69	37	73
TENNESSEE—													
Glenwood	.627	.649	.678	30	.932	8	.315	91	64	86	74	49	74
Knoxville	.584	.621	.653	29	.850	2	.314	88	64	84	73	41	66
KENTUCKY—													
Springdale	.528	.703	.679	21	1.151	10	.311	97	68	85	86	50	56
OHIO—													
Germantown	.575	.587	.578	29	1.039	1	.233	86	57	87	74	32	71
Hillsborough	.564	.581	.571	29	.979	1	.290	89	66	86	69	40	63
Oberlin	.560	.613	.544	21	.868	1	.270	85	65	82	71	47	72
INDIANA—													
La Fayette	.554	.524	.577	28	.906	2	.306	79	49	81	42	31	59
New Harmony	.626	.706	.672	25	.987	8	.316	80	60	85	60	44	58
ILLINOIS—													
Ottawa	.682	.883	.673	29	1.304	7	.285	92	86	97	79	77	87
Upper Alton	.652	.875	.682	27	1.188	8	.308	87	87	82	71	70	00
MISSOURI—													
St. Louis	.600	.629	.655	30	.971	8	.283	75	54	74	61	37	63
IOWA—													
Dubuque	.513	.558	.535	27	1.137	8	.222	76	56	75	63	29	51
Muscatine	.509	.657	.584	30	.958	1	.256	87	60	85	61	41	64
MINNESOTA—													
St. Anthony's Falls	.549	.653	.549	27	1.108	6	.222	94	65	93	70	50	67
CALIFORNIA—													
Sacramento, [Hatch] (*b*)	------	.537	------	----	------	----	------	------	------	------	------	------	------

a Same amount on the 26th.

b Observations taken at noon.

No. 32.—PSYCHROMETER, JULY, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	95	68	85	------	------	------
CANADA EAST—													
St. Martin's	.559	.723	.605	24	1.133	12	.310	75	56	77	62	36	54
St. Martin's (*b*)	.555	.663	.611	4	.986	13	.393	77	57	80	69	40	56
NEW HAMPSHIRE—													
Hanover	.517	.563	.534	25	.832	9	.232	91	52	80	73	29	36
VERMONT—													
Burlington	.579	.600	.585	21	1.056	27	.342	74	48	72	58	35	59
MASSACHUSETTS—													
Amherst	.631	.664	.644	22	.964	18	.341	88	63	80	66	31	39
Nantucket	.581	.569	.565	26	.813	1	.411	78	62	82	55	35	62
New Bedford	.671	.796	.670	4	.997	1	.431	92	81	94	77	62	66
Newburyport	.536	.547	.528	26	.803	1	.195	78	52	71	53	32	55
North Attleboro' (*c*)	.550	.529	.552	4	.805	2	.371	73	50	79	49	32	53
Princeton	.518	.605	.548	26	.792	27	.282	78	65	75	48	35	37
Worcester	.522	.539	.522	4	.982	1	.279	68	55	64	47	30	43
CONNECTICUT—													
Pomfret	.631	.745	.631	21	1.033	14	.433	88	75	90	67	56	66
NEW YORK—													
Buffalo, [Hunt]	.669	.711	.726	----	------	----	------	74	70	71	59	59	59
Leroy (*d*)	.590	.636	.572	8	.908	10	.398	75	53	75	62	38	56
Madrid	.523	.551	.540	8	.832	26	.000	63	49	72	00	33	41
New York city, [D & D. Inst.]	.610	.635	.636	26	.886	13	.341	71	58	72	47	39	39
Penn Yan	------	.526	----	----	------	----	------	------	46	----	------	26	------
Spencertown	.587	.730	.584	4	1.355	10	.209	79	62	74	61	27	44
Troy	.573	.524	.572	4	1.032	10	.260	72	41	57	50	23	49
NEW JERSEY—													
Bloomfield	.646	.690	.680	20	1.026	19	.409	82	59	87	50	40	52
PENNSYLVANIA—													
Lima	.677	.699	.685	23	.984	13	.338	82	63	88	55	38	80
Norristown	.668	.768	.719	22	.992	13	.376	83	66	84	48	33	68
Philadelphia	.676	.710	.740	26	.983	13	.393	76	57	74	36	40	59
Warrior's Mark	.594	.621	.607	22	.896	13	.272	84	53	84	61	29	45
MARYLAND—													
Frederick	.665	.624	.695	8	.877	4	.000	72	46	75	46	00	52
DISTRICT OF COLUMBIA—													
Washington	.744	.761	.794	25	.983	18	.489	84	56	84	64	32	62
VIRGINIA—													
Alexandria	.759	.817	.845	30	1.646	13	.352	79	63	84	23	33	63
NORTH CAROLINA—													
Thornbury (*e*)	.715	.678	.713	8	.916	18	.459	83	56	80	68	28	50
SOUTH CAROLINA—													
Aiken	.784	.781	.820	9	.956	13	.531	82	60	76	67	43	57
Camden	.770	.818	.811	31	1.017	13	.559	77	62	79	56	43	59
St. John's	.766	.840	.847	----	------	----	------	91	71	91	70	53	79
GEORGIA—													
Savannah	.819	.898	.838	1	.986	13	.563	83	58	81	66	26	70
FLORIDA—													
Jacksonville	.921	.935	.903	1	1.255	12	.665	85	72	86	69	49	68
ALABAMA—													
Tuscaloosa	.801	.773	.835	6	.987	13	.575	85	58	82	73	39	47
MISSISSIPPI—													
Lake Washington (*d*)	.703	.778	.830	9	.962	12	.524	82	58	81	36	43	65
LOUISIANA—													
New Orleans	.850	.836	.883	5	.996	10	*f*. 647	97	71	89	84	48	79
TEXAS—													
Austin	.678	.592	.702	25	.816	12	.416	75	45	75	56	31	65
New Wied	.888	.937	.830	8	1.31	12	.524	84	59	87	71	30	66

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c No observations after the 15th.
d Incomplete.
e Observations omitted after the 25th.
f Same amount on the 15th.

No. 32.—PSYCHROMETER, JULY, 1851—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
TENNESSEE—	*Inches.*	*Inches.*	*Inches*		*Inches*		*Inches*						
Glenwood	.762	.747	.796	16	.994	11	.465	85	58	84	70	41	75
Knoxville	.681	.666	.730	5	.903	12	.390	87	61	80	63	27	59
KENTUCKY—													
Springdale	.604	.794	.812	31	1.243	27	.396	95	55	79	81	25	51
OHIO—													
Gallipolis	.681	.715	.738	23	.963	13	.443	76	57	67	65	40	52
Germantown	.659	.642	.666	7	1.001	10	.357	81	49	84	73	32	70
Hillsborough	.624	.637	.619	11	.963	14	.384	83	51	73	66	29	50
Oberlin	.660	.759	.683	7	1.087	12	.410	88	60	84	66	45	67
Zanesville	.739	.812	.835	8	1.427	28	.515	95	57	88	80	34	65
MICHIGAN—													
St. James	.605	.759	.573	17	1.188	25	.278	88	91	92	49	79	29
INDIANA—													
New Harmony	.730	.784	.790	8	1.198	11	.200	72	45	72	29	25	57
ILLINOIS—													
Manchester	.744	.807	.800	28	1.201	11	.315	78	56	76	43	26	62
Ottawa	.830	1.103	.831	30	1.445*a*	12	.505	89	83	95	79	66	84
Upper Alton	.795	1.036	.826	29	1.521	26	.483	87	74	84	74	43	65
MISSOURI—													
St. Louis	.712	.683	.747	1	.969*b*	26	.380	73	45	68	55	26	48
IOWA—													
Dubuque	.620	.677	.673	30	1.101	27	.397	76	57	77	61	36	61
Muscatine	.642	.854	.734	18	1.671	10	.335	87	64	86	58	38	67
MINNESOTA—													
St. Anthony's Falls	.674	.854	.701	1	1.135	11	.361	96	77	96	87	61	82
CALIFORNIA—													
Sacramento, [Hatch] (*c*)	------	.507	------	----	------	----	------	------	------	------	------	------	------
Sacramento, [Logan] (*d*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras (*e*)	.838	.836	------	5	923	1	.733	75	76	------	64	56	------
SOUTH AMERICA—													
Assumption, Paraguay	.613	.730	.659	11	1.023*f*	19	.386	99	98	100	95	84	95

a Same amount on the 31st.
b Same amount on the 8th.
c Observations taken at noon.
d Mean force of vapor for the month, .548; computed approximately from the mean dew point.
e Incomplete.
f Same amount on the 12th.

No. 33.—PSYCHROMETER, AUGUST, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
	Inches	*Inches*	*Inches*		*Inches*		*Inches*						
NOVA SCOTIA—													
Halifax (*a*)	------	-----	------	----	------	----	------	95	81	80	------	------	------
CANADA EAST—													
St Martin's	.419	.501	.455	30	.879	21	.250	73	54	77	53	30	54
St Martin's (*b*)	.444	.531	.474	30	.854	16	.326	77	57	80	59	35	64
NEW HAMPSHIRE—													
Hanover	.402	.425	.403	24	.739	14	.123	84	46	67	51	14	30
VERMONT—													
Burlington	.413	.403	.417	1	.751	2	.190	66	40	62	38	18	29
MASSACHUSETTS—													
Amherst	.491	.494	.491	2	.841	25	.245	87	52	75	60	21	43
Nantucket	.542	.496	.534	2	.789	23	.290	79	60	82	57	41	49
New Bedford	.579	.717	.599	22	1.031	30	.427	93	81	94	77	64	81
Newburyport	.424	.405	.434	2	.706	25	.187	75	47	70	39	16	38
Princeton	.434	.424	.419	2	.732	30	.244	77	49	70	51	27	44
Worcester	.409	.430	.419	15	.929	16	*c*.229	66	47	62	40	24	34
CONNECTICUT—													
Pomfret	.522	.616	.536	13	.904	28	.362	88	75	91	71	43	61
NEW YORK—													
New York city,[D. & D. Inst.]	.503	.503	.553	2	.828	7	.257	64	49	70	43	30	43
Penn Yan	------	.502	------	----	------	----	------	------	50	------	------	24	------
Spencertown	.487	.647	.401	16	.863	11	.009	68	61	61	48	37	00
Troy	.441	.431	.460	1	.801	18	.235	69	40	57	53	22	40
NEW JERSEY—													
Bloomfield	.536	.602	.566	1	.915	14	.331	81	54	80	63	33	44
PENNSYLVANIA—													
Lima	.569	.626	.598	1	.955	8	.340	83	63	86	62	42	57
Norristown	.556	.693	.615	1	1.070	29	.367	84	67	81	56	46	64
Philadelphia	.592	.638	.685	1	1.024	8	.338	77	58	75	58	40	60
MARYLAND—													
Frederick	.546	.541	.597	1	.872	8	.268	71	44	70	52	29	40
SOUTH CAROLINA—													
Aiken	.743	.716	.776	3	.970	30	.545	81	57	73	59	41	61
Camden	.749	.744	.789	2	1.010	30	.502	86	59	87	68	40	63
St. John's	.759	.842	.829	----	------	----	------	91	71	87	82	54	78
GEORGIA—													
Savannah	.827	.836	.840	1	1.052	30	.587	85	61	82	76	39	63
FLORIDA—													
Jacksonville	.905	.903	.891	28	1.033	14	.516	85	70	88	75	38	72
ALABAMA—													
Tuscaloosa	.755	.687	.770	15	.861	6	.322	79	46	75	52	20	48
MISSISSIPPI—													
Lake Washington (*d*)	.800	.809	.844	21	1.052	23	.655	82	58	83	66	44	68
LOUISIANA—													
New Orleans	.863	.822	.901	2	1.283	23	.564	94	67	86	86	42	59
TEXAS—													
Austin	.729	.614	.753	6	.856	2	*e*.515	79	44	74	62	31	62
New Wied	.843	.951	.823	21	1.044	29	.691	79	53	82	67	41	70
TENNESSEE—													
Glenwood	.700	.645	.786	19	1.070	5	.348	82	49	73	69	26	56
Knoxville	.700	.689	.719	3	.897	7	.524	91	62	83	81	45	55
KENTUCKY—													
Springdale	.579	.777	.750	23	1.345	9	.309	89	56	69	61	31	29
OHIO—													
Gallipolis	.641	.673	.711	28	.950	5	.326	74	57	71	22	38	56
Germantown	.597	.562	.609	13	.865	8	.226	85	44	80	62	26	61
Hillsborough (*d*)	.610	.595	.565	26	1.132	17	.236	82	50	72	56	23	56
Oberlin	.603	.660	.599	1	.935	7	.348	85	59	83	72	39	74
Zanesville	.641	.740	.801	13	1.101	8	*e*.374	96	52	91	79	35	70

a Observations taken at 6 a. m., 3 p. m , and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Same amount on the 18th.
d Incomplete.
e Same amount on the 12th and 20th.

No. 33.—PSYCHROMETER, AUGUST, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
INDIANA—	*Inches.*	*Inches*	*Inches*		*Inches.*		*Inches*						
New Harmony	.707	.743	.762	11	1.115	6	.377	79	52	82	47	31	56
ILLINOIS—													
Manchester	.681	.782	.760	27	1.201	9	.433	82	60	79	69	40	60
Ottawa	.699	1.129	.768	28	1.569	7	.423	94	89	97	85	75	88
Upper Alton	.704	1.027	.755	30	1.418	18	.315	86	75	82	73	31	48
MISSOURI—													
St. Louis	.635	.603	.678	27	.900	18	.329	70	41	65	50	23	49
IOWA—													
Dubuque	.544	.576	.631	28	.901	7	.331	77	50	77	63	34	64
Muscatine	.570	.771	.647	28	1.187	8	.311	89	60	84	75	44	59
MINNESOTA—													
St. Anthony's Falls	.579	.738	.586	21	1.015	6	.321	96	72	95	81	57	80
CALIFORNIA—													
Sacramento, [Hatch] (*a*)	------	.460	------	----	------	----	------	------	------	------	------	------	------
Sacramento, [Logan] (*b*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras	.844	.868	------	18	.963	4	.731	79	78	------	65	67	------
SOUTH AMERICA—													
Assumption, Paraguay	.596	.751	.683	21	1.165	26	*c* .388	100	99	99	95	89	88

a Observations taken at noon.

b Mean force of vapor for the month, .364; computed approximately from the mean dew point.

c Same amount on the 28th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Halifax (*a*)								93	80	84			
CANADA EAST—													
St. Martin's	.336	.465	.371	6	.922	21	.143	86	67	78	64	36	46
St Martin's (*b*)	.351	.477	.376	5	.854	30	.161	88	67	81	67	49	59
NEW HAMPSHIRE—													
Hanover	.346	.405	.379	6	.817	29	.126	97	60	83	58	30	56
VERMONT—													
Burlington	.368	.418	.383	6	.744	20	.151	78	58	71	54	36	52
MASSACHUSETTS—													
Amherst	.432	.496	.456	6	1.122	30	.185	96	64	89	68	40	57
Nantucket	.448	.415	.423	9	.732	30	.106	79	62	79	49	22	41
New Bedford	.501	.585	.484	9	.945	30	.195	94	83	93	82	55	72
Newburyport	.368	.408	.390	6	.788	29	.130	78	54	72	36	34	38
North Attleboro'	.444	.430	.431	6	.884	30	.127	85	58	87	56	29	42
Princeton	.393	.428	.378	6	.796	21	.118	85	62	78	53	18	49
Williamstown	.388	.449	.422	6	.798	20	.157	84	67	85	47	28	59
Worcester	.389	.431	.371	28	.836	30	.109	74	60	70	46	25	32
CONNECTICUT—													
Pomfret	.456	.540	.446	6	.969	30	.177	92	81	92	66	61	69
NEW YORK—													
Madrid	.379	.393	.391	6	.706	30	.181	89	57	85	65	39	32
New York city, [D. & D. Inst.]	.460	.478	.470	6	.835	30	.149	74	59	71	47	30	48
Penn Yan		.457							47			20	
NEW JERSEY —													
Bloomfield	.480	.566	.500	6	.929	21	.164	87	61	82	59	38	30
PENNSYLVANIA—													
Byberry (*c*)	.354	.445	.401	26	.704	30	.204	81	58	76	55	46	51
Lima	.489	.513	.517	6	.885	21	.179	85	62	83	54	35	50
Norristown	.509	.620	.528	6	1.108	30	.215	86	67	79	63	52	43
Philadelphia	.535	.578	.582	6	.992	21	.216	82	61	78	62	45	48
Pittsburg	.505	.668	.527	8	1.255	30	.196	80	63	68	60	31	50
MARYLAND—													
Frederick	.544	.584	.572	8	1.142	30	.182	87	58	77	50	29	49
SOUTH CAROLINA—													
Aiken	.679	.702	.695	10	1.024	23	.343	84	65	78	69	38	53
Camden	.715	.716	.742	10	1.030	30	.363	91	64	89	71	42	66
St. John's	.695	.813	.770	25		21		89	79	88	74	62	81
GEORGIA—													
Savannah	.778	.776	.774	10	.990	23	.439	89	66	83	75	49	68
FLORIDA—													
Jacksonville	.894	.920	.881	10	1.124	24	.668	89	77	91	83	59	83
ALABAMA—													
Tuscaloosa	.702	.677	.724	12	.910	7	.000	81	60	79	57	26	49
TEXAS—													
Austin	.680	.640	.708	8	.839	21	.333	83	54	81	50	29	56
New Wied	.774	.862	.790	1	1.193	21	.416	82	64	82	56	36	52
TENNESSEE—													
Glenwood	.593	.574	.622	25	.769	21	.308	84	49	73	67	28	49
Knoxville	.524	.514	.508	12	.823	21	.206	86	57	42	65	39	37
KENTUCKY—													
Springdale	.548	.864	.745	5	1.300*d*	22	.261	93	67	78	65	36	49
OHIO—													
Gallipolis	.624	.786	.741	6	1.105	22	.285	82	68	77	64	53	67
Germantown	.532	.446	.540	14	.821	22	.207	88	51	80	72	31	60
Hillsborough	.540	.545	.548	7	.870	22	.239	88	53	78	66	30	52
Oberlin	.538	.582	.533	1	.843	21	.275	90	61	85	66	34	43
Zanesville	.556	.679	.660	4	1.245	5	.000	94	58	84	79	00	51
MICHIGAN—													
St. James	.497	.576	.406	4	1.215	13	.061	93	87	85	13	42	34

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Incomplete.
d Same amount on the 6th, 8th, and 9th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
INDIANA—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches.*						
New Harmony	.629	.666	.685	1	.984	21	.302	91	56	84	82	34	67
ILLINOIS—													
Ottawa	.583	.910	.647	1	1.556	16	.323	99	87	97	94	73	89
Upper Alton	.624	.863	.662	11	1.241	21	.308	90	79	87	78	61	55
MISSOURI—													
St. Louis	.548	.559	.577	8	.760	19	.257	73	46	70	52	28	43
IOWA—													
Dubuque	.466	.466	.528	2	.892	19	.162	82	50	77	62	27	58
Muscatine	.489	.777	.570	1	1.286	26	.044	92	72	85	81	54	05
MINNESOTA—													
St Anthony's Falls	.413	.608	.447	1	1.176	15	*e*.212	95	76	92	85	37	58
CALIFORNIA—													
Sacramento, [Hatch] (*b*)	-------	.493	------	---	------	---	------	------	------	------	------	------	------
Sacramento, [Logan] (*c*)	-------	------	------	---	------	---	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras (*d*)	.845	.891	------	8	.969	27	*e*.787	78	76	------	68	44	------

a Same amount on the 20th.
b Observations taken at noon.
c Mean force of vapor for the month, .338; computed approximately from the mean dew point.
d Observations omitted from the 17th to the 23d.
e Same amount on the 27th.

No. 35.—PSYCHROMETER, OCTOBER, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	93	75	82	------	------	------
CANADA EAST—													
St. Martin's	.233	.339	.289	31	.622	25	.026	86	71	84	02	40	62
St. Martin's (*b*)	.260	.368	.304	31	.626	18	.106	91	75	86	71	50	72
NEW HAMPSHIRE—													
Hanover	.236	.304	.292	30	.609	19	.013	89	65	85	07	34	58
VERMONT—													
Burlington	.248	.300	.288	12	.577	21	.099	75	58	77	52	29	57
MASSACHUSETTS—													
Amherst	.285	.357	.351	31	.643	16	.166	94	68	91	53	43	70
Nantucket	.343	.344	.373	13	.596	16	.167	78	67	85	42	37	55
New Bedford	.348	.448	.396	9	.668	10	.113	90	83	95	29	65	82
Newburyport	.280	.316	.317	31	.592	5	.163	80	62	78	47	33	57
North Attleboro'	.304	.325	.334	29	.700	21	.000	87	55	88	56	00	64
Princeton	.280	.304	.304	30	.574	5	*c*. 130	83	65	81	53	29	49
Williamstown	.264	.331	.316	12	.586	10	.000	89	66	91	70	16	72
Worcester	.259	.322	.295	31	.630	22	.095	75	59	77	39	41	46
CONNECTICUT—													
Pomfret	.311	.399	.352	29	.639	20	.148	94	76	92	75	54	79
NEW YORK—													
Madrid(*d*)	.257	.321	.304	12	.508	2	.154	76	72	86	55	38	71
New York city, [D. & D. Inst.]	.289	.333	.353	29	.365	19	.132	75	59	74	55	29	56
Penn Yan	------	.346	------	----	------	----	------	------	62	------	------	33	------
Spencertown	.244	.361	.291	9	.664	21	.042	73	68	74	29	44	26
NEW JERSEY—													
Bloomfield	.343	.416	.373	12	.716	15	.121	89	66	87	58	39	41
PENNSYLVANIA—													
Byberry	.322	.405	.355	29	.726	20	.136	84	64	79	63	39	54
Lima	.308	.333	.342	29	.722	19	.082	89	51	84	57	21	42
Norristown	.322	.431	.358	3	.706	19	.082	88	67	83	31	26	57
Philadelphia	.359	.389	.397	3	.695	19	.143	80	60	76	61	40	51
Pittsburg	.309	.361	.352	12	.671	21	.000	79	61	75	00	10	39
MARYLAND—													
Frederick	.331	.338	.351	3	.714	31	.097	90	53	78	73	13	63
DISTRICT OF COLUMBIA—													
Washington	.368	.368	.405	14	.688	24	.110	90	51	80	66	16	55
VIRGINIA—													
Alexandria	.346	.402	.387	3	.773	15	.163	85	61	81	48	33	50
SOUTH CAROLINA—													
Aiken	.397	.421	417	30	.717	20	.173	78	53	66	43	29	44
Camden	.393	.420	.434	2	*e*. 732	19	.163	85	51	84	51	26	57
St. John's	.411	.514	.467	----	------	----	------	80	68	84	67	51	71
GEORGIA—													
Augusta (*f*)	.413	.536	.544	30	.785	23	.335	97	88	91	88	51	73
Savannah	.473	.465	.516	9	.780	20	.208	83	50	77	62	28	52
FLORIDA—													
Jacksonville	.597	.689	.632	14	.891	21	.376	88	73	87	73	56	71
Warrington	.671	.801	------	----	------	----	------	99	88	------	75	68	------
ALABAMA—													
Tuscaloosa	.414	.482	.492	3	.797	18	.205	85	57	87	61	31	78
LOUISIANA—													
New Orleans (*g*)	.499	.489	.514	15	.785	18	*h*. 309	80	58	70	61	41	47
TEXAS—													
Austin	.520	.553	.566	13	.800	29	.282	88	53	80	63	33	57
New Wied	.583	.759	.627	14	.976	29	.283	83	66	85	47	47	66
TENNESSEE—													
Glenwood	.391	.429	.430	13	.744	19	.210	89	59	86	67	36	43
Knoxville	.357	.387	.399	13	.692	18	.165	89	58	86	70	30	44

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Same amount on the 23d.
d Observations omitted after the 16th.
e Same amount on the 30th.
f For the last nine days only.
g Incomplete.
h Same amount on the 19th.

No. 35.—PSYCHROMETER, OCTOBER, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
Springdale	.355	.416	.424	13	.731	15	.062	92	60	73	64	14	38
OHIO—													
Gallipolis	.407	.503	.460	12	.827	19	.186	89	74	86	41	46	53
Germantown	.314	.361	.360	12	.678	19	.145	93	57	87	83	32	65
Hillsborough	.371	.381	.377	12	.708	19	.136	94	62	85	71	33	47
Oberlin	.362	.425	.357	12	.745	19	.160	95	70	87	68	44	62
Zanesville	.348	.471	.410	12	.744	15	.144	94	73	90	63	40	65
MICHIGAN—													
St. James	.330	.407	.327	27	.658	17	.103	89	90	90	74	79	47
INDIANA—													
New Harmony	.390	.486	.430	11	.912	19	.207	90	67	80	71	45	53
ILLINOIS—													
Manchester	.367	.467	.413	1	.778	19	.199	87	68	85	65	39	60
Ottawa	.355	.568	.408	1	.884	15	*a*. 167	99	84	95	93	69	71
MISSOURI—													
St Louis	.366	.390	.397	12	.766	17	.189	87	58	76	66	29	44
IOWA—													
Dubuque	.329	.345	.339	1	.636	16	.105	70	55	74	53	28	39
Muscatine	.343	.447	.352	1	.745	17	.111	88	66	84	64	42	42
CALIFORNIA—													
Sacramento, [Hatch] (*b*)	------	.568	------	----	------	----	------	------	------	------	------	------	------
Sacramento, [Logan] (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras	.825	.873	------	10	.950	1	.773	83	83	------	75	71	------

a Same amount on the 17th.
b Observations taken at noon.
c Mean force of vapor for the month, .304; computed approximately from the mean dew point.

No. 36.—PSYCHROMETER, NOVEMBER, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	93	80	86	------	------	------
CANADA EAST—													
St. Martin's	.170	.187	.153	13	.356	27	.059	93	85	87	69	47	35
St. Martin's (*b*)	.183	.206	.173	13	.349	4	*c*.074	90	84	87	80	59	64
NEW HAMPSHIRE—													
Hanover	.171	.184	.163	13	.570	4	*d*.000	83	70	79	00	43	00
VERMONT—													
Burlington	.167	.175	.157	11	.442	5	.048	74	61	69	49	35	44
MASSACHUSETTS—													
Amherst	.224	.212	.231	11	.624	5	.063	95	73	91	73	30	48
Nantucket	.252	.259	.254	13	.518	5	.077	76	67	75	43	37	38
New Bedford	.267	.277	.253	1	.645	5	.090	93	77	89	84	52	70
Newburyport	.208	.209	.212	13	.594	5	.039	77	60	71	48	31	28
North Attleboro'	.222	.218	.226	13	.591	5	.047	86	59	81	71	17	48
Princeton	.197	.209	.197	13	.538	8	.032	87	74	81	55	36	20
Williamstown	.203	.201	.195	13	.504	5	.034	90	75	83	20	20	39
Worcester	.204	.213	.200	13	.604	6	.000	82	67	77	31	00	14
CONNECTICUT—													
Pomfret	.226	.247	.242	13	.596	6	.071	91	78	90	69	50	58
NEW YORK—													
New York city, [D. & D. Inst.]	.215	.227	.218	11	.516	5	.064	74	63	71	44	37	42
Penn Yan	------	.165	-----	---	------	---	------	------	60	-----	------	37	------
Spencertown (*e*)	.236	.218	.202	13	.576	19	.079	90	76	88	62	28	63
Thornbury	.229	.217	.231	12	.659	28	.000	82	41	72	55	22	00
NEW JERSEY—													
Bloomfield (*e*)	.214	.238	.210	11	.566	10	*f*.000	79	62	75	50	00	00
PENNSYLVANIA—													
Byberry	.213	.236	.219	13	.596	5	.088	82	62	76	62	44	51
Lima	.205	.222	.202	13	.572	30	.094	83	56	76	53	35	54
Norristown	.220	.232	.217	11	*g*.570	4	.089	80	65	77	54	45	46
Philadelphia	.236	.233	.244	11	.583	5	.105	80	60	76	61	36	60
MARYLAND—													
Frederick	.196	.209	.210	12	.474	20	.049	80	57	75	59	20	54
DISTRICT OF COLUMBIA—													
Washington	.219	.233	.226	11	.569	5	.078	81	57	70	49	33	44
VIRGINIA—													
Alexandria	.226	.241	.222	12	.487	6	.061	87	60	74	61	35	28
SOUTH CAROLINA—													
Aiken	.242	.257	.262	12	.604	18	.087	77	47	66	53	21	36
All Saints	.287	.345	.330	11	.731	10	.117	81	58	82	63	38	45
Camden	.213	.268	.267	12	.604	28	.113	85	48	80	53	23	51
St. John's	.276	.315	.297	----	------	----	------	82	53	79	65	28	43
GEORGIA—													
Augusta	.248	.296	.312	11	.549	28	.087	74	54	74	45	25	32
Savannah	.294	.314	.324	12	.649	19	.102	76	48	69	50	31	37
FLORIDA—													
Jacksonville	.372	.509	.436	11	.829	21	.079	86	72	87	34	39	68
ALABAMA—													
Tuscaloosa	.258	.285	.292	23	.610	18	.098	84	50	78	41	25	38
LOUISIANA—													
New Orleans (*h*)	.351	.329	.344	22	.658	28	.131	85	56	73	61	28	42
TEXAS—													
Austin	.329	.361	.389	17	.604	25	.071	90	51	90	48	10	60
New Wied	.362	.453	.378	2	.785	26	.068	83	52	73	51	13	68
TENNESSEE—													
Glenwood	.211	.198	.216	23	.521	19	.086	82	46	72	58	22	31
Knoxville	.213	.226	.215	11	.509	13	.062	84	54	72	50	28	36
KENTUCKY—													
Springdale	.189	.220	.225	23	.478	9	.099	87	67	78	19	33	16

a Observations taken at 6 a. m., 3 p. m., and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Same amount on the 5th.
d Same amount on the 28th.
e Incomplete.
f Same amount on the 14th.
g Same amount on the 13th.
h Observations omitted for the first seven days.

No. 36 —PSYCHROMETER, NOVEMBER, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
OHIO—													
Gallipolis	.214	.250	.220	12	*a*. 518	19	.084	83	67	83	67	33	61
Germantown	.160	.174	.173	10	.370	14	*b*. 103	84	62	81	57	28	59
Hillsborough	.195	.213	.202	23	.437	13	.111	92	73	86	50	34	45
Oberlin (*c*)	.226	.267	.210	24	.449	21	.135	93	76	85	74	56	60
Zanesville	.190	.239	.213	12	.502	28	.111	86	74	84	55	49	58
INDIANA—													
Madison	.197	.215	.205	23	.493	19	.097	81	65	74	60	34	43
New Harmony	.203	.216	.213	23	.444	5	.070	89	66	81	52	19	44
ILLINOIS—													
Manchester (*d*)	.169	.235	.191	22	.370	12	.059	86	65	80	49	28	31
Ottawa	.194	.296	.200	2	*a*. 483	27	.082	93	85	95	88	54	74
Upper Alton	.184	.305	.226	9	.529	5	.035	84	78	78	61	47	56
MISSOURI—													
St. Louis	.170	.180	.175	2	.462	19	.077	75	50	63	47	21	34
IOWA—													
Dubuque	.135	.147	.154	9	.282	11	.056	71	66	66	41	22	40
Muscatine	.131	.179	.157	6	.518	16	*e*. 000	72	59	69	00	00	00
MINNESOTA—													
St. Anthony's Falls	.145	.236	.160	1	.658	11	.063	88	75	89	72	56	78
CALIFORNIA—													
Sacramento, [Hatch] (*f*)	------	.568	------	----	------	----	------	------	------	------	------	------	------
Sacramento, [Logan] (*g*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras (*h*)	.726	.783	------	12	.936	28	.668	80	80	------	77	74	------

a Same amount on the 23d.
b Same amount on the 19th.
c Incomplete.
d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Same amount on the 28th.
f Observations taken at noon.
g Mean force of vapor for the month, .275; computed approximately from the mean dew point.
h See note in table of thermometer for this month.

No. 37.—PSYCHROMETER, DECEMBER, 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
NOVA SCOTIA—													
Halifax (*a*)	------	------	------	----	------	----	------	86	86	84	------	------	------
CANADA EAST—													
St. Martin's	.081	.102	.085	27	.226	23	.002	89	84	91	19	27	82
St. Martin's (*b*)	.088	.120	.092	26	.263	23	.000	84	85	89	06	30	73
NEW HAMPSHIRE—													
Hanover	.090	.111	.097	26	.214	20	.015	93	83	90	64	56	59
VERMONT—													
Burlington	.069	.085	.077	29	.183	8	*c*. 000	57	58	64	00	06	00
MASSACHUSETTS—													
Amherst	.110	.136	.115	27	.228	22	.019	93	87	92	36	67	68
Nantucket	.164	.156	.159	15	.323	31	.000	79	65	76	53	34	00
New Bedford	.136	.176	.148	14	.304	20	.050	95	85	89	85	68	79
Newburyport (*d*)	.102	.131	.096	15	.243	20	.005	60	60	63	11	11	24
North Attleboro'	.116	.133	.128	10	.299	20	.023	85	68	81	46	28	46
Princeton	.102	.105	.095	24	*e*. 181	20	.002	91	85	82	51	50	06
Westfield	.094	.128	.101	16	.261	23	.009	77	75	78	42	35	61
Williamstown (*f*)	.104	.121	.118	26	.221	20	.018	93	89	97	57	59	76
Worcester	.079	.110	.085	27	.279	9	*g*. 000	53	66	51	00	23	00
CONNECTICUT—													
Pomfret	.116	.146	.121	15	.275	2	.000	95	89	90	78	74	00
NEW YORK—													
New York city, [D.& D.Inst.]	.118	.147	.126	27	.252	19	.028	76	79	76	34	50	46
Penn Yan	------	.118	------	----	------	----	------	------	65	------	------	11	------
NEW JERSEY—													
Bloomfield	.113	.135	.127	25	.273	4	.044	79	64	76	62	28	56
PENNSYLVANIA—													
Lima	.124	.127	.155	27	.292	13	.050	86	67	81	66	44	46
Norristown	.114	.110	.113	27	.267	19	.024	74	55	69	34	12	23
Philadelphia	.132	.152	.144	27	.298	22	.029	81	71	80	58	50	51
MARYLAND—													
Frederick	.135	.148	.146	25	.301	9	.045	81	68	79	45	20	53
DISTRICT OF COLUMBIA—													
Washington	.129	.146	.136	27	.348	6	.024	73	60	68	55	14	25
VIRGINIA—													
Alexandria	.133	.173	.154	27	.304	29	.000	81	76	81	00	41	66
NORTH CAROLINA—													
Thornbury	.156	.165	.156	26	.489	5	*h*. 000	81	45	66	31	00	18
SOUTH CAROLINA—													
Aiken	.180	.228	.203	26	.596	6	*i*. 051	83	53	70	52	14	27
All Saints	.224	.264	.241	26	.529	8	.066	86	62	81	57	23	45
Camden	.164	.203	.187	26	.505	6	.061	88	47	75	54	19	42
St. John's	.168	.243	.220	25	------	----	------	80	53	78	36	28	29
GEORGIA—													
Savannah	.217	.246	.250	26	.531	5	.069	74	49	69	39	25	31
FLORIDA—													
Jacksonville	.331	.450	.321	3	*j*. 720	28	.064	92	86	86	63	48	18
Warrington	.459	.505	------	3	*k*. 639	4	.269	100	89	------	100	60	------
ALABAMA—													
Tuscaloosa	.222	.245	.233	25	.598	8	.079	74	53	74	47	20	29
LOUISIANA—													
New Orleans	.302	.304	.311	25	.772	29	.104	85	58	78	30	28	42
TEXAS—													
Anstin	.223	.234	.275	2	.658	19	.071	91	49	87	48	16	27
New Wied	.214	.294	.233	1	.576	19	.064	76	57	68	18	07	43
TENNESSEE—													
Glenwood	.175	.174	.180	25	.477	5	.069	82	54	72	39	23	38
Knoxville	.162	.163	.175	26	.410	5	.045	85	53	81	47	00	55

a Observations taken at 6 a. m., 3 p m, and 8 p. m., and humidity calculated from Glaisher's tables.
b See note for this place in table No. 26.
c Same amount on the 19th.
d Observations taken at 8 a. m., 2 p. m., and 9 p. m.
e Same amount on the 27th and 28th.
f See notes in tables of thermometer for this month.
g Same amount on the 19th, 20th, 21st, and 22d.
h Same amount on the 6th.
i Same amount on the 29th.
j Same amount on the 1st.
k Same amount on the 25th.

No. 37.—PSYCHROMETER, DECEMBER, 1854—Continued.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches*	*Inches.*	*Inches*		*Inches.*		*Inches*						
Springdale	.174	.209	.203	26	.469	20	.078	90	80	89	65	47	56
OHIO—													
Gallipolis	.154	.205	.166	26	.452	8	.045	85	77	83	60	23	53
Germantown	.143	.156	.156	26	.420	8	.061	87	69	90	50	34	68
Hillsborough	.164	.185	.173	26	.449	8	.068	92	81	90	08	32	53
Zanesville	.146	.164	.127	26	.403	8	.051	89	72	86	60	37	54
MICHIGAN—													
Ann Arbor, [Winchell] (*a*)	.115	.138	.122	24	.227	19	.028	89	79	85	62	58	52
INDIANA—													
Madison	.179	.206	.198	26	.427	20	.085	88	79	88	59	48	71
New Harmony	.176	.205	.187	26	.499	19	.066	93	77	88	61	45	62
ILLINOIS—													
Manchester (*b*)	.143	.194	.178	26	.418	10	.021	93	75	88	68	43	08
Ottawa	.129	.204	.157	26	.361	5	*e*. 060	100	92	97	100	38	78
Upper Alton (*d*)	.339	.298	.223	26	.476	7	.094	91	85	80	73	41	43
MISSOURI—													
St. Louis	.152	.163	.165	26	.423	5	*e*. 062	79	56	70	50	25	38
IOWA—													
Dubuque	.100	.131	.116	26	.215	29	.039	80	68	78	53	31	49
Muscatine	.094	.170	.119	15	.335	30	.000	81	81	82	27	00	41
CALIFORNIA—													
Sacramento, [Logan] (*f*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Truxillo, Honduras (*g*)	.695	.696	------	16	.839	30	.503	84	84	------	66	66	------

a Obsesvations omitted for the first five days.
b Observations taken at 7 a. m., 1 p. m, and 9 p. m.
c Same amount on the 12th and 18th.
d Very imperfect.
e Same amount on the 7th.
f Mean force of vapor for the month, .238; computed approximately from the mean dew point.
g Observations taken at 9 a. m. and 3 p. m.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Albion Mines	7	8	4	7	18	23	7	27	0	101	3	8	0	3	8	32	28	25	107
Halifax	6	3	0	1	2	3	0	3	0	18	----	----	----	----	----	----	----	----	----
CANADA EAST—																			
St. Martin's	1	29	0	3	1	22	9	28	0	93	----	----	----	----	----	----	----	----	----
MAINE —																			
Biddeford	3	9	1	0	0	11	21	30	0	75	----	----	----	----	----	----	----	----	----
Carmel	2	5	5	4	2	4	18	29	13	82	1	4	4	4	1	4	7	14	39
Fryeburg	3	13	9	4	2	22	9	29	0	91	0	0	0	0	0	12	16	15	43
Oldtown	15	9	4	0	2	17	16	23	5	91	4	1	0	0	0	9	17	11	42
South Thomaston	13	30	1	10	4	9	9	16	0	92	10	28	3	10	4	10	11	17	93
Windham	2	14	1	1	2	12	2	19	11	64	0	0	0	0	0	2	0	1	3
NEW HAMPSHIRE—																			
Concord	7	23	0	3	0	17	2	42	0	94	----	----	----	----	----	----	----	----	----
Exeter	11	2	0	3	1	12	21	20	0	70	6	2	0	3	1	12	15	14	53
Hanover	16	3	2	15	6	17	2	32	0	93	0	0	0	0	0	3	9	12	24
Londonderry	3	9	1	2	2	5	8	35	26	91	3	0	0	0	0	3	17	10	33
Manchester	18	3	0	3	6	9	19	34	1	93	8	2	0	2	2	4	54	5	77
Salmon Falls	8	10	2	1	3	11	9	31	18	93	1	0	0	0	0	5	11	11	28
VERMONT—																			
Brandon	15	0	0	1	44	9	2	22	0	93	0	0	0	0	9	3	20	14	46
Burlington	30	5	1	4	35	2	11	5	0	93	0	0	0	0	1	3	4	3	11
Castleton	13	0	2	4	6	25	5	8	30	93	4	0	0	0	0	1	0	0	5
Craftsbury	2	5	1	4	15	9	17	15	0	68	2	4	1	2	7	5	31	11	63
St. Johnsbury	4	0	0	6	0	14	10	58	0	92	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—																			
Amherst	4	3	2	21	5	6	5	39	1	86	1	0	0	0	0	5	6	13	25
Mendon	5	11	0	1	2	28	5	41	0	93	4	9	0	1	3	27	4	35	83
Nantucket	5	4	2	8	7	22	2	30	0	80	0	0	0	0	0	6	5	2	13
New Bedford	9	10	2	3	3	27	9	27	0	90	1	1	1	1	2	12	11	7	36
Newburyport	12	5	1	0	10	17	27	17	0	89	0	0	0	1	0	6	0	0	7
North Attleboro'	12	3	3	3	14	20	21	17	0	93	7	2	0	2	7	25	23	7	33
Princeton	1	10	2	1	2	9	26	27	0	78	1	6	1	1	0	5	18	8	40
Richmond	1	16	1	16	2	24	0	33	0	93	4	8	0	12	7	17	0	24	72
Southwick	4	12	1	4	10	12	1	19	13	76	0	0	0	0	0	16	2	7	25
Wood's Hole	6	4	2	3	12	20	21	23	2	93	----	----	----	----	----	----	----	----	----
Worcester	0	5	0	3	0	20	1	64	0	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
North Scituate	1	13	1	5	1	30	6	35	0	92	0	0	0	0	0	1	3	1	5
Providence	6	11	0	0	4	24	4	41	1	91	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	5	5	2	3	3	30	7	38	0	93	----	----	----	----	----	----	----	----	----
Pomfret	1	18	1	3	10	25	5	30	0	93	2	7	1	1	6	30	3	13	63
Saybrook	11	10	3	4	1	11	19	24	1	84	1	1	2	2	1	7	22	19	55
West Cornwall	3	2	1	12	4	24	18	17	0	81	----	----	----	----	----	----	----	----	----
NEW YORK—																			
Baldwinsville	0	4	9	8	2	21	8	39	0	91	0	0	0	0	0	5	34	38	77
Beaver Brook	0	1	1	25	0	24	4	38	0	93	0	0	0	2	0	26	10	32	70
Beverly	1	8	0	14	11	39	1	15	3	92	0	4	0	10	10	28	15	5	72
Buffalo, [Salisbury]	3	9	3	1	3	28	11	10	0	68	0	0	0	1	0	16	7	1	25
Canton	6	24	0	1	0	45	6	13	0	95	2	20	0	1	0	40	5	13	81
Chatham	0	1	1	25	0	23	3	40	0	93	0	0	0	2	0	26	10	32	70
Falconer	13	0	0	0	2	8	0	10	0	33	3	0	0	0	8	16	20	19	66
Fishkill	12	12	0	0	3	39	3	9	15	93	----	----	----	----	----	----	----	----	----
Gouverneur	1	41	0	0	1	43	4	3	0	93	0	37	0	0	2	36	10	2	87
Houseville	3	1	0	1	41	16	13	4	2	81	0	0	0	0	2	15	17	1	35
Lodi	2	0	2	22	12	21	14	18	2	93	0	0	0	0	5	6	31	5	47
Madrid	0	30	1	0	1	19	23	4	12	90	0	2	0	0	0	16	33	0	51
New York city	3	36	0	17	20	27	23	57	3	186	----	----	----	----	----	----	----	----	----
New York city, [Deaf and Dumb Inst.]	3	19	1	6	4	17	10	33	0	93	2	10	0	3	4	18	16	12	65
Oswego	3	2	0	0	42	6	13	26	0	92	----	----	----	----	----	----	----	----	----
Penn Yan	2	3	0	5	40	7	32	4	0	93	----	----	----	----	----	----	----	----	----

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Sag Harbor	6	9	3	10	5	31	10	18	1	93	0	1	2	1	2	50	16	8	80
Troy	11	5	2	2	29	12	4	20	1	86	0	0	0	0	1	1	1	3	6
Wampsville	2	1	10	5	19	8	45	3	0	93	1	3	10	3	20	11	41	2	91
NEW JERSEY—																			
Bloomfield	0	4	0	0	1	15	7	11	0	38									
Burlington	9	13	0	0	6	26	26	5	0	85	5	5	0	0	4	17	5	1	37
Lambertville	3	12	0	4	5	15	1	30	0	70									
PENNSYLVANIA—																			
Bedford	0	0	0	9	1	35	7	26	0	78	0	0	0	9	0	29	6	21	65
Bustleton	2	1	7	7	7	3	18	6	0	51	5	0	9	1	6	3	11	1	36
Byberry	5	5	8	0	7	21	30	10	7	93	1	3	2	0	4	14	60	2	86
Ceres	0	0	2	19	11	19	28	1	0	80	0	0	0	8	25	16	25	1	75
Gettysburg	2	10	1	0	3	39	17	15	6	93	0	0	0	0	2	21	28	7	58
Harrisburg	1	1	7	24	1	6	8	35	0	83	0	0	1	3	0	3	4	15	26
Lima	8	12	3	8	4	10	1	26	21	93	1	0	1	2	1	14	22	18	59
Morrisville	6	14	6	3	2	22	7	29	4	93	6	2	0	1	1	23	21	15	69
Moss Grove	0	0	6	5	14	13	20	2	2	62	0	0	0	0	4	13	51	0	68
Norristown	0	7	17	6	1	7	32	8	0	78	0	1	8	3	2	12	35	5	66
Philadelphia	2	17	0	2	1	35	16	20	0	93	0	0	0	2	0	6	9	3	20
Pittsburg	3	0	2	10	3	19	30	18	39	124									
Pocopson	6	3	6	3	0	27	30	18	0	93									
Sugar Grove	0	1	1	3	12	36	21	3	11	88	0	1	2	2	6	39	23	2	75
Youngsville	2	1	12	1	0	7	64	2	0	89	1	1	7	1	0	7	49	2	68
West Haverford	0	5	0	1	3	13	3	19	16	60	3	1	0	0	1	8	4	16	33
MARYLAND—																			
Frederick	4	11	2	3	7	25	15	9	7	83	1	0	1	2	3	17	22	3	49
Schellman Hall	1	3	0	1	8	5	58	17	0	93	2	1	0	1	7	8	57	3	79
DISTRICT OF COLUMBIA—																			
Washington	0	1	0	2	2	2	8	6	6	27	1	1	1	0	1	3	14	2	23
VIRGINIA—																			
Alexandria	9	9	4	4	32	8	8	19	0	93									
Ashland	0	8	1	1	2	52	19	10	0	93	0	0	0	0	0	1	10	0	11
Crichton's Store	17	3	0	4	15	44	9	0	2	94	6	0	0	3	3	31	19	1	63
Huntersville	11	6	2	6	33	37	21	7	0	123	1	0	8	19	17	37	24	12	118
Lewisburg	0	0	0	0	0	6	2	0	0	8	0	0	0	0	2	9	9	2	22
Portsmouth	15	6	3	12	16	7	8	11	0	78									
Winchester	0	0	0	0	0	10	11	7	55	93	0	0	0	1	0	0	7	1	9
NORTH CAROLINA—																			
Chapel Hill	12	9	3	1	16	21	19	12	0	93	2	3	0	0	18	18	7	0	48
Thornbury	8	10	11	2	6	22	13	6	10	88	3	6	0	2	0	19	17	0	47
SOUTH CAROLINA—																			
Camden	5	16	2	3	4	18	5	10	0	63	2	0	0	0	0	27	8	8	45
St. John's	0	26	0	6	1	17	0	10	0	60									
GEORGIA—																			
Culloden	9	17	7	9	13	17	5	14	0	91	2	4	3	2	2	17	0	5	35
Savannah	6	14	8	10	10	21	1	22	0	92	0	2	0	2	5	6	7	3	25
Sparta	0	24	0	3	1	25	2	33	0	88	0	2	0	0	1	18	1	11	33
The Rock	1	3	1	0	1	4	0	18	0	28									
Whitemarsh Island	4	20	0	3	13	14	2	14	23	93	2	2	1	2	4	13	4	2	30
FLORIDA—																			
Cedar Keys	8	33	5	6	18	5	9	4	5	93	4	20	4	4	13	6	6	5	62
Jacksonville	14	24	0	14	12	14	0	16	0	94	2	7	0	3	4	31	7	2	56
Key West	21	13	6	15	4	2	0	1	0	62									
Knox Hill	16	22	11	7	14	10	4	8	0	92	3	2	0	2	10	26	12	2	57
Warrington	15	19	3	14	5	9	2	17	9	93	1	2	0	3	4	28	20	25	83
ALABAMA—																			
Greene Springs	13	3	11	2	10	2	2	12	0	55	3	0	0	0	2	7	0	0	12
Tuscaloosa	8	3	1	0	9	9	4	15	43	92									
Weewokaville	10	4	6	4	5	11	14	12	23	89	4	2	0	4	6	27	7	10	60
MISSISSIPPI—																			
Garlandsville	0	9	3	2	9	32	6	22	10	93	1	9	0	3	10	40	5	19	87
Jackson	22	2	0	12	26	9	1	7	14	93	5	0	0	1	16	14	0	2	38
LOUISIANA—																			
New Orleans	22	11	20	5	10	0	12	11	2	93	2	0	1	1	0	8	8	2	22

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—																			
Austin	35	2	0	0	29	7	0	9	11	93	23	0	0	1	21	8	3	10	66
New Wied	45	4	2	3	14	7	1	4	12	92	2	1	0	1	1	0	0	7	12
TENNESSEE—																			
Glenwood	11	12	1	9	23	11	1	14	11	93	6	2	1	1	5	17	15	6	53
Lebanon	8	3	3	6	39	11	2	19	2	93	5	1	2	1	9	32	20	13	83
Memphis	1	12	0	20	6	28	6	19	1	93	1	6	0	13	2	22	11	12	67
KENTUCKY—																			
Ballardsville	5	4	0	0	3	23	14	44	0	93	0	0	0	1	0	10	2	3	16
Danville	1	2	1	7	17	32	12	21	0	93	0	2	0	0	5	24	14	17	62
Millersburg	5	0	2	6	3	25	28	12	8	89	----	----	----	----	----	----	----	----	----
Springdale	7	1	2	5	6	31	4	13	24	93	----	----	----	----	----	----	----	----	----
OHIO—																			
College Hill	3	0	3	9	3	9	19	22	20	88	4	1	0	1	1	2	11	7	27
Germantown	0	6	2	13	8	48	4	11	0	92	0	5	1	2	4	49	3	9	73
Granville	0	12	2	4	1	32	16	7	7	81	0	0	0	0	0	16	10	2	28
Hillsborough	0	5	3	8	13	27	7	16	0	79	0	1	0	0	1	17	6	8	33
Jackson	3	6	14	1	9	17	33	0	6	89	0	0	2	0	0	4	48	1	55
Keene	4	1	5	7	12	24	18	6	0	77	2	0	0	1	4	11	28	5	51
Marietta	2	0	0	0	13	8	9	8	53	93	0	1	0	0	3	8	16	6	34
Mount Vernon	1	0	0	1	6	25	32	3	22	90	0	0	0	0	1	14	38	1	54
Oberlin	1	1	5	12	10	31	14	12	0	86	7	1	11	0	5	3	14	1	42
Zanesville	3	4	0	8	7	22	27	5	9	85	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	1	2	10	12	9	27	19	5	7	92	0	0	3	2	2	5	45	6	63
Battle Creek	1	4	11	9	10	32	17	7	2	93	0	5	3	0	1	35	39	5	88
Brooklyn	1	1	3	6	3	28	17	5	6	70	0	1	2	5	3	11	15	5	42
Detroit	1	7	9	4	7	39	11	9	0	87	----	----	----	----	----	----	----	----	----
Flint	3	3	3	12	18	21	24	4	0	88	----	----	----	----	----	----	----	----	----
Monroe, [Whelpley]	0	14	3	2	9	17	5	43	0	93	0	12	3	2	7	17	7	38	86
St. James	3	16	5	5	4	27	13	20	0	93	0	1	2	1	1	18	14	14	51
INDIANA—																			
Greencastle	1	1	1	2	8	9	13	3	3	41	0	1	1	0	0	3	7	6	18
Milton	3	9	2	8	4	34	6	8	18	92	0	0	0	0	0	10	5	5	20
New Harmony	12	5	0	4	22	13	1	9	0	66	0	0	0	0	0	0	1	0	1
Richmond	3	1	3	10	20	21	22	5	5	90	0	0	1	0	3	14	21	8	47
ILLINOIS—																			
Athens	0	10	1	23	0	26	2	25	0	87	1	2	0	0	0	10	8	27	48
Augusta	3	12	4	15	11	8	13	20	7	93	3	0	0	2	0	1	17	7	30
Batavia	14	3	4	2	11	14	35	10	0	93	----	----	----	----	----	----	----	----	----
Ottawa	10	14	1	5	10	23	18	12	0	93	2	1	0	1	3	15	15	11	48
Upper Alton	12	11	0	5	14	12	15	9	0	78	1	3	0	0	0	3	1	3	11
MISSOURI—																			
Hannibal	19	2	11	4	24	7	13	9	4	93	13	0	2	0	2	5	25	8	55
Jefferson Barracks	4	6	0	4	4	5	1	8	0	32	----	----	----	----	----	----	----	----	----
St. Louis	1	4	3	26	11	15	19	14	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Bellefontaine	9	8	1	10	1	31	15	16	1	92	2	1	3	5	0	7	15	6	39
Beloit	18	8	0	5	27	18	2	15	0	93	1	0	0	0	1	4	0	1	7
Janesville	10	6	4	7	5	24	21	7	9	93	0	0	0	0	1	3	3	0	7
Madison	16	2	0	12	9	21	14	19	0	93	----	----	----	----	----	----	----	----	----
Platteville	6	8	7	8	5	12	23	24	0	93	5	4	5	3	3	7	29	14	70
IOWA—																			
Dubuque	14	12	0	3	10	8	6	20	16	89	0	0	0	0	1	2	8	16	27
Fort Madison	1	7	1	10	9	26	2	37	0	93	4	0	4	0	1	9	31	13	62
Keokuk	26	2	17	0	2	11	16	2	15	91	4	0	7	0	0	0	7	0	18
Muscatine	3	10	2	6	6	22	2	42	0	93	0	0	0	0	1	14	7	1	23
Poultney	8	5	8	6	2	12	24	12	9	86	1	1	1	1	0	5	20	2	31
Quasqueton	6	6	8	15	5	18	6	29	0	93	1	0	0	0	1	4	6	9	21
St. Mary's	16	0	8	9	2	5	0	3	24	67	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
St. Joseph's	32	2	6	2	15	0	15	2	6	80	----	----	----	----	----	----	----	----	----
Lac qui Parle	0	2	1	11	13	9	11	43	0	93	2	1	4	4	3	1	12	2	29
Red Lake	9	1	4	8	25	12	8	14	0	81	----	----	----	----	----	----	----	----	----

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEBRASKA—																			
Fort Union	1	3	1	0	1	3	5	15	2	31	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento, [Logan]	12	3	0	15	9	3	3	48	0	93	----	----	----	----	----	----	----	----	----
Stockton	3	5	5	56	3	24	6	84	0	186	----	---	----	----	----	---	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	3	6	3	0	3	1	3	8	0	27	----	----	----	----	----	----	----	----	----

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
		Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Albion Mines	8	14	4	12	13	15	2	29	0	97	8	7	1	8	3	18	8	26	79
Halifax	28	6	3	5	6	11	4	21	1	85									
CANADA EAST—																			
St. Martin's	0	32	1	5	0	13	6	27	0	84									
MAINE—																			
Biddeford	5	21	1	0	0	12	12	16	0	67									
Carmel	4	7	1	1	0	3	6	36	13	71	4	6	0	0	0	1	3	14	28
Fryeburg	7	14	7	1	1	20	16	14	0	80	0	0	0	0	0	3	22	4	29
Oldtown	20	2	9	1	5	12	11	15	9	84	8	0	1	1	0	3	15	10	38
Perry	14	7	4	4	1	8	3	6	1	48	5	7	3	4	1	6	5	2	33
Steuben	7	27	0	2	1	17	4	24	2	84	1	1	2	0	0	10	13	4	31
Windham	9	12	2	2	1	3	8	22	20	79	0	0	0	1	0	0	2	1	4
NEW HAMPSHIRE—																			
Concord	3	17	0	7	0	18	0	39	0	84									
Exeter	3	9	7	2	0	11	28	24	0	84	2	10	7	2	0	10	15	7	53
Hanover	11	9	2	13	5	7	6	31	0	84	0	0	0	0	0	4	9	8	21
Londonderry	3	9	2	6	3	6	5	35	15	84	1	2	0	1	0	2	4	12	22
Manchester	13	5	6	3	8	4	14	31	0	84	5	4	6	2	1	5	25	11	59
Salmon Falls	10	11	0	4	0	7	8	33	11	84	1	3	0	0	0	2	3	17	26
VERMONT—																			
Brandon	33	0	0	3	28	2	6	7	5	84	1	0	0	1	2	4	8	10	26
Burlington	30	5	2	7	19	0	12	9	0	84	0	0	0	0	0	1	0	0	1
Castleton	10	0	0	3	12	4	4	18	30	81	1	1	0	0	7	2	0	5	16
Craftsbury	8	6	0	9	19	8	12	17	0	79	3	2	0	5	9	3	28	10	60
St. Johnsbury	2	0	0	0	0	22	1	59	0	84									
MASSACHUSETTS—																			
Amherst	6	1	1	12	2	3	3	46	0	74	0	0	0	0	0	0	1	11	12
Mendon	4	10	0	9	3	25	2	31	0	84	1	12	1	9	2	24	3	32	84
Nantucket	6	13	1	10	3	19	1	27	4	84	0	0	0	0	0	1	0	0	1
New Bedford	4	14	1	8	1	21	4	26	0	79	0	1	3	2	0	2	2	3	13
Newburyport	6	13	4	0	11	9	21	17	0	81									
North Attleboro'	9	5	8	3	6	12	12	29	0	84	3	11	7	2	2	11	16	8	60
Princeton	6	17	5	2	2	4	16	21	0	76	0	1	2	0	0	1	13	10	27
Richmond	0	20	0	16	0	11	0	37	0	84	2	11	0	13	3	12	2	20	63
Southwick	3	20	1	2	2	9	1	14	3	55	0	1	0	0	3	5	7	7	23
Springfield	15	9	0	0	0	11	4	28	17	84	2	3	0	0	0	4	4	24	37
Wood's Hole	14	10	0	8	3	18	5	26	0	84									
Worcester	1	11	3	3	0	12	4	50	0	84									
RHODE ISLAND—																			
North Scituate	6	22	2	3	0	17	3	31	0	84	0	0	0	1	0	2	4	4	11
CONNECTICUT—																			
New London	14	6	4	10	1	12	11	26	0	84									
Pomfret	6	13	3	4	4	17	2	35	0	84	2	9	2	4	3	14	5	16	55
Saybrook	13	11	6	10	2	8	11	21	1	83	1	2	2	1	3	1	13	13	36
West Cornwall	2	2	8	13	4	16	4	35	0	84									
NEW YORK—																			
Baldwinsville	5	6	18	7	0	6	8	26	0	76	1	0	0	2	0	4	16	33	56
Beverly	1	13	0	6	4	25	2	28	4	83	0	6	0	9	4	21	15	8	63
Buffalo, [Salisbury]	10	20	2	1	2	25	8	6	4	78	0	2	0	1	0	16	9	2	30
Canton	3	20	1	1	1	36	5	16	3	86	2	12	1	1	1	32	2	5	56
Chatham	0	4	0	29	2	10	1	38	0	84	1	0	0	9	0	9	10	40	69
Falconer	8	0	0	0	0	1	2	0	0	11	13	1	0	2	14	3	19	13	65
Fishkill	3	27	3	0	0	24	3	3	21	84									
Gouverneur	2	28	0	0	3	19	15	17	0	84	2	28	0	0	3	18	21	8	80
Lodi	5	2	4	15	6	11	11	26	4	84	3	0	0	1	0	3	14	10	31
Madrid	3	26	2	1	0	22	12	2	14	82	3	0	0	0	0	17	13	3	36
New York city	4	38	6	8	5	13	35	59	0	168									
New York city, [Deaf and Dumb Institution]	4	23	1	2	0	12	14	28	0	84	2	6	1	5	1	4	18	13	50
Oswego	4	8	13	2	34	0	12	3	0	76									
Penn Yan	4	7	3	6	24	12	22	6	0	84									
Sag Harbor	3	12	3	6	6	20	7	26	1	84	1	3	1	1	6	22	15	15	64
Troy	27	8	0	3	16	4	3	17	5	83									
Wampsville	0	1	17	6	2	8	38	12	0	84	0	1	15	7	2	7	33	12	77

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	3	27	0	1	0	28	2	23	0	84									
Burlington	30	5	2	7	19	0	12	9	0	84	1	7	1	0	4	8	2	0	23
Lambertville	1	17	0	7	1	13	2	30	0	71									
PENNSYLVANIA—																			
Bedford	0	0	1	11	5	15	3	37	0	72	0	0	0	10	2	10	3	22	47
Bustleton	8	12	1	0	4	17	22	15	2	81	1	7	1	0	4	8	2	0	23
Byberry	6	12	4	0	2	4	9	7	6	50	4	1	2	0	2	3	23	4	39
Ceres	0	3	8	17	2	3	24	7	20	84	0	3	0	8	10	7	21	5	54
Gettysburg	10	11	1	1	5	23	13	14	6	84	0	0	0	0	0	10	26	12	48
Harrisburg	1	5	5	17	0	2	19	33	0	82	1	0	0	3	0	0	9	9	22
Lima	15	20	6	5	6	10	10	15	13	100	2	0	0	2	2	3	23	21	53
Morrisville	8	17	5	3	3	12	8	24	4	84	3	9	2	1	0	10	14	18	57
Moss Grove	2	2	2	3	8	15	16	6	9	63	1	1	2	2	7	8	40	4	65
Norristown	0	16	8	5	0	7	15	30	0	81	0	4	2	7	0	3	35	3	54
Philadelphia	4	14	4	3	1	27	5	26	0	84	2	0	0	0	0	4	4	5	15
Pittsburg	1	0	2	6	0	14	21	27	41	112									
Pocopson	1	5	0	1	0	3	5	9	0	24	1	5	0	1	0	3	5	9	24
Sugar Grove	2	2	1	2	0	31	14	6	10	68	2	4	1	2	0	31	13	6	59
Youngsville	13	1	14	1	5	10	19	2	0	65	6	0	7	0	4	3	7	1	28
West Haverford	3	4	1	5	1	8	7	14	10	53	3	0	0	0	0	0	4	13	20
MARYLAND—																			
Frederick	10	8	3	4	9	11	13	23	3	84	2	0	1	0	1	4	26	5	39
Schellman Hall	0	6	1	4	2	9	47	15	0	84	3	0	5	1	1	1	48	0	59
DISTRICT OF COLUMBIA—																			
Washington	3	3	3	1	2	10	8	15	0	45	4	2	1	0	0	3	15	6	31
VIRGINIA—																			
Alexandria	13	7	2	7	26	9	4	16	0	84									
Ashland	11	3	1	3	8	36	16	6	0	84	0	0	0	0	0	1	10	0	11
Crichton's Store	13	10	0	2	15	33	3	8	0	84	4	3	0	0	6	21	15	4	53
Huntersville	4	11	4	32	24	23	13	0	0	111	0	4	0	23	29	31	12	4	103
Lewisburg	0	0	0	0	0	4	0	0	0	4	2	0	0	0	0	3	4	0	9
New Creek Depot	1	3	1	3	0	5	30	9	0	52	0	0	0	0	1	7	17	3	28
Portsmouth	16	5	2	8	17	14	6	16	0	84									
Winchester	0	1	3	1	5	2	16	9	47	84									
NORTH CAROLINA—																			
Chapel Hill	9	10	2	1	17	15	19	11	0	84	1	0	0	2	8	21	9	4	45
Thornbury	10	7	5	6	10	19	6	18	3	84	1	2	0	3	2	10	21	4	43
SOUTH CAROLINA—																			
Camden	6	6	1	4	5	12	0	7	0	41	4	3	0	1	1	16	4	5	34
St. John's	0	16	2	4	4	12	4	6	0	48									
GEORGIA—																			
Augusta											3	5	0	1	1	2	13	2	27
Culloden	11	11	8	2	11	19	4	12	0	78	0	5	3	0	2	17	1	9	37
Savannah	7	7	5	13	9	20	7	16	0	84	0	0	0	1	2	1	9	2	15
Sparta	0	13	4	7	1	16	6	36	0	83	1	0	0	2	0	10	5	12	30
The Rock	1	2	0	2	0	7	0	14	0	26									
Whitemarsh Island	8	7	2	9	12	19	6	6	15	84	3	2	0	5	2	15	5	2	34
FLORIDA—																			
Cedar Keys	8	23	9	6	15	4	12	5	2	84	3	10	4	3	15	7	5	1	48
Jacksonville	7	20	2	9	10	20	2	14	0	84	2	3	0	8	1	26	2	7	49
Key West	18	7	12	9	3	1	3	2	1	56									
Knox Hill	10	16	14	6	5	13	7	9	0	80	2	2	3	3	5	17	17	3	52
Warrington	20	22	10	8	7	9	2	8	1	87	7	2	10	4	14	3	15	6	61
ALABAMA—																			
Wewokaville	1	2	1	1	2	4	16	8	49	84	6	2	1	3	3	10	26	9	60
MISSISSIPPI—																			
Garlandsville	3	3	10	6	6	21	17	18	0	84	3	4	8	6	6	14	12	9	62
Jackson	20	3	2	2	30	3	3	3	18	84	6	0	0	0	11	6	4	1	28
Lake Washington	2	2	1	1	0	9	1	2	0	18	1	2	2	2	0	21	16	3	47
LOUISIANA—																			
New Orleans	11	14	19	6	10	2	7	4	7	83	0	0	0	0	6	9	15	0	30
TEXAS—																			
Austin	25	5	0	20	16	5	0	8	5	84	1	3	1	17	5	16	3	13	59
Huntsville	11	1	1	0	25	1	2	2	6	49	3	1	1	0	11	2	1	2	21
New Wied	27	5	3	4	15	3	5	12	10	84	1	0	1	1	1	3	0	2	9

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TENNESSEE—																			
Glenwood	8	4	4	11	23	7	5	15	7	84	4	0	1	1	0	15	17	10	48
Knoxville	15	7	4	1	16	14	15	12	0	84	----	----	----	----	----	----	----	----	----
Lebanon	10	0	6	17	25	9	3	13	1	84	4	0	0	4	5	24	23	13	73
Memphis	1	8	6	19	3	19	5	13	10	84	1	3	3	6	1	18	10	10	52
KENTUCKY—																			
Ballardsville	6	1	0	5	2	27	8	35	0	84	0	1	0	1	0	5	4	2	13
Danville	9	5	1	6	15	25	11	12	0	84	0	0	0	1	2	13	28	9	53
Millersburg	4	1	5	7	4	18	22	6	14	81	----	----	----	----	----	----	----	----	----
Springdale	4	4	9	1	4	35	7	6	14	84	----	----	----	----	----	----	----	----	----
OHIO—																			
College Hill	8	3	3	4	1	20	6	13	18	76	2	0	0	1	3	9	7	3	25
Geneva Hall	4	6	1	10	0	13	9	8	6	57	4	4	1	7	1	9	14	3	43
Germantown	4	8	1	12	10	33	1	15	0	84	3	3	0	5	3	26	3	10	53
Granville	2	12	2	3	3	30	8	0	14	74	0	2	0	0	1	15	4	0	22
Hillsborough	3	5	2	10	4	28	2	11	0	65	0	1	0	0	1	15	2	8	27
Jackson	10	5	17	3	3	9	22	6	6	81	1	2	1	0	5	5	25	4	43
Marietta	2	0	3	2	8	6	8	12	42	83	1	1	1	2	4	16	5	7	37
Mount Vernon	0	7	1	2	9	13	23	4	23	82	1	0	3	0	3	10	23	1	41
Oberlin	5	9	6	7	8	18	17	9	0	79	2	0	9	2	3	7	13	0	36
MICHIGAN—																			
Ann Arbor, [Woodruff]	4	10	16	7	4	22	10	6	5	84	3	3	5	0	1	6	34	12	64
Battle Creek	6	4	17	8	3	15	24	3	4	84	2	4	3	1	0	14	42	5	71
Brooklyn	1	4	1	13	10	11	14	9	10	73	0	3	1	7	2	18	10	8	49
Detroit	5	20	10	3	1	28	8	10	0	85	----	----	----	----	----	----	----	----	----
Flint	17	4	2	13	11	9	16	4	0	76	----	----	----	----	----	----	----	----	----
Monroe, [Whelpley]	1	25	1	6	3	7	2	38	0	83	1	23	0	7	3	7	2	37	80
St. James	2	12	5	9	2	30	2	19	3	84	0	0	5	0	1	17	3	19	45
INDIANA—																			
Greencastle	6	2	4	7	9	8	6	7	2	51	2	0	1	1	1	6	11	5	27
Kendallville	2	6	12	8	5	10	20	17	3	83	3	3	7	0	2	5	22	8	50
Milton	4	10	1	11	1	14	3	10	30	84	1	1	0	1	1	7	3	0	14
New Harmony	12	2	0	5	10	13	4	13	0	59	----	----	----	----	----	----	----	----	----
Richmond	3	10	4	22	6	13	10	8	4	80	2	3	2	1	4	8	13	5	38
ILLINOIS—																			
Athens	5	8	2	18	1	19	1	21	0	75	3	2	1	4	0	1	5	28	44
Augusta	10	20	5	8	10	4	8	14	5	84	3	5	0	1	1	2	13	2	27
Batavia	3	2	0	3	14	19	20	17	6	84	----	----	----	----	----	----	----	----	----
Ottawa	5	14	8	8	9	16	8	14	3	85	3	2	1	1	1	5	9	11	33
Upper Alton	13	3	3	6	15	7	14	10	0	71	4	0	0	0	0	0	3	2	9
MISSOURI—																			
Hannibal	17	8	4	5	29	3	4	6	7	83	9	2	5	1	7	3	17	7	51
St. Louis	2	6	8	16	12	7	14	19	0	84	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Bellefontaine	10	5	10	12	5	15	15	12	0	84	1	0	0	2	0	6	25	2	36
Beloit	12	14	0	17	16	9		8	0	84	5	0	0	0	1	0	2	1	9
Janesville	1	14	6	7	3	14	18	12	9	84	0	1	0	0	0	0	0	4	5
Madison	16	5	2	17	3	17	5	19	0	84	----	----	----	----	----	----	----	----	----
Milwaukie	1	18	0	15	4	11	8	25	2	84	0	1	0	1	0	0	2	1	5
Platteville	8	6	18	14	4	4	14	16	0	84	7	2	4	3	0	4	28	7	55
IOWA—																			
Dubuque	21	10	2	7	3	12	4	16	8	83	2	1	0	0	0	3	7	15	28
Fort Madison	4	7	0	13	12	16	2	30	0	84	5	5	0	0	2	7	14	10	43
Keokuk	22	3	13	1	2	6	9	7	19	82	7	0	3	0	2	0	13	1	26
Muscatine	5	20	0	4	5	14	5	31	0	84	0	1	0	2	0	14	1	7	25
Poultney	15	2	13	2	6	8	16	5	12	79	3	0	1	1	0	7	18	3	33
Quasqueton	4	12	3	20	3	10	12	19	0	83	0	1	0	0	0	3	9	2	15
St. Mary's	18	0	9	11	3	2	1	4	17	65	4	0	3	6	1	1	1	3	19
MINNESOTA—																			
St. Joseph's	19	4	5	1	27	2	10	7	9	84	----	----	----	----	----	----	----	----	----
Lac qui Parle	2	2	9	14	10	2	5	40	0	84	0	0	10	1	0	0	16	4	31
Red Lake	2	5	5	2	30	3	18	8	0	73	----	----	----	----	----	----	----	----	----
NEBRASKA—																			
Fort Pierre	----	----	----	----	----	----	----	----	----	----	0	0	0	1	1	1	2	0	5
Fort Union	1	0	3	1	1	1	4	5	12	28	----	----	----	----	----	----	----	----	----

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
CALIFORNIA—																			
Sacramento, [Logan]	9	12	12	18	3	3	3	30	0	90									
Stockton	16	14	18	42	3	7	36	32	0	168									
EASTERN CONTINENT—																			
Mosul, Mesopotamia	0	2	10	9	2	1	2	6	0	32									

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Albion Mines	15	17	2	8	12	25	4	13	0	96	9	7	1	5	5	29	17	18	91
Halifax	34	3	2	13	10	5	10	16	0	93	----	----	----	----	----	----	----	----	----
CANADA EAST—																			
St. Martin's	0	20	0	7	4	18	9	28	7	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	5	1	8	0	3	8	31	12	68	0	6	0	8	0	3	5	16	38
Fryeburg	13	8	3	3	1	10	2	31	12	83	0	0	0	0	0	2	10	22	34
Oldtown	3	4	8	9	2	11	18	31	6	92	2	2	3	8	1	10	15	25	66
Perry	18	10	4	12	2	16	12	13	6	93	11	10	4	5	2	11	7	5	55
Steuben	1	20	1	7	0	19	4	34	7	93	2	4	0	1	0	7	11	17	42
Windham	2	14	1	6	6	2	8	33	14	86	0	0	0	0	0	0	4	0	4
NEW HAMPSHIRE—																			
Concord	1	19	3	10	0	20	0	40	0	93	----	----	----	----	----	----	----	----	----
Exeter	0	6	5	7	0	8	14	28	0	68	0	5	5	7	0	8	8	16	49
Hanover	16	0	3	21	9	6	3	35	0	93	1	0	0	3	1	0	4	20	29
Londonderry	2	7	6	7	0	6	5	44	16	93	1	1	3	0	0	0	3	8	16
Manchester	1	4	14	3	9	10	15	37	0	93	1	4	15	0	5	3	27	14	69
Salmon Falls	1	11	2	7	0	14	8	42	8	93	3	0	0	2	0	2	3	24	34
VERMONT—																			
Brandon	22	0	1	8	31	3	4	22	2	93	4	0	0	0	2	2	19	13	40
Burlington	21	1	4	7	33	2	14	11	0	93	0	0	0	0	0	0	2	2	4
Castleton	20	1	1	2	24	4	9	10	22	93	0	0	0	1	1	0	4	3	9
Craftsbury	5	1	0	7	32	6	11	28	0	90	2	1	0	5	10	7	16	23	64
St. Johnsbury	0	0	0	0	0	27	15	51	0	93	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—																			
Amherst	7	4	1	22	2	1	2	49	0	88	0	2	0	0	0	5	2	22	31
Mendon	2	14	5	3	0	37	6	26	0	93	2	15	4	3	2	28	4	13	71
Nantucket	5	6	1	11	9	15	11	33	2	93	----	----	----	----	----	----	----	----	----
New Bedford	7	8	1	10	5	17	3	40	2	93	2	2	2	1	1	2	8	17	35
Newburyport	3	12	5	4	10	7	21	27	0	89	----	----	----	----	----	----	----	----	----
North Attleboro'	8	9	3	1	16	6	25	25	0	93	4	6	6	3	6	9	21	12	67
Princeton	1	10	3	6	1	4	3	35	0	63	0	1	1	1	0	0	0	24	27
Richmond	1	11	0	15	1	25	0	40	0	93	0	13	0	10	3	22	0	34	82
Southwick	0	15	0	1	5	12	1	28	10	72	0	1	0	0	0	11	6	16	34
Springfield	7	12	0	0	1	12	2	40	19	93	6	4	0	0	0	5	3	37	55
Worcester	1	17	0	6	0	10	4	55	0	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
North Scituate	4	13	3	6	1	18	5	43	0	93	1	0	1	0	0	7	5	5	19
CONNECTICUT—																			
New London	19	11	0	3	6	17	1	36	0	93	----	----	----	----	----	----	----	----	----
Pomfret	4	14	4	4	2	16	5	44	0	93	4	11	2	4	1	16	6	21	65
Saybrook	11	5	12	8	4	10	14	28	1	93	4	0	4	1	2	3	11	21	46
West Cornwall	1	1	8	20	3	12	11	37	0	93	----	----	----	----	----	----	----	----	----
NEW YORK—																			
Angelica	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Baldwinsville	0	1	13	10	0	6	18	37	0	85	0	0	0	2	0	0	33	32	67
Beaver Brook	2	1	4	6	0	2	1	29	0	45	0	0	5	1	1	4	3	23	37
Beverly	2	7	0	15	4	22	5	31	4	90	0	3	3	14	4	15	16	15	70
Buffalo, [Salisbury]	1	7	1	2	1	27	2	21	5	67	0	0	0	1	1	8	6	4	20
Canton	0	14	1	2	1	47	8	8	5	86	0	12	1	2	1	40	6	7	69
Chatham	0	1	0	39	0	5	1	47	0	93	0	0	0	10	1	10	5	46	72
Falconer	4	0	0	0	0	0	1	1	0	6	0	0	0	0	8	3	4	9	24
Fishkill	6	12	0	0	0	39	3	9	24	93	----	----	----	----	----	----	----	----	----
Gouverneur	6	20	0	0	0	28	10	29	0	93	2	18	0	0	0	27	12	24	83
Leroy	3	2	0	3	1	0	0	1	0	10	----	----	----	----	----	----	----	----	----
Lodi	1	1	0	20	6	8	9	42	6	93	0	0	0	1	2	7	12	19	41
Madrid	0	14	0	0	0	32	15	13	14	88	0	5	0	0	1	30	14	10	60
New York city	6	42	6	3	9	18	18	84	0	186	----	----	----	----	----	----	----	----	----
New York city, [Deaf and Dumb Institution]	2	26	3	6	2	5	13	36	0	93	0	4	2	4	2	12	26	13	63
Oswego	7	4	0	1	46	0	12	23	0	93	----	----	----	----	----	----	----	----	----
Penn Yan	2	2	2	2	13	24	35	13	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	4	5	9	5	9	13	14	34	0	93	1	1	4	2	2	28	13	22	73

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Troy	4	2	1	0	19	8	20	21	18	93									
Wampsville	0	0	13	13	3	10	52	1	0	93	0	0	12	12	3	9	48	1	85
NEW JERSEY—																			
Bloomfield	0	10	0	0	0	13	10	5	0	38	0	0	0	0	0	1	0	0	1
Burlington	13	11	3	0	3	12	34	14	4	94	0	3	3	0	0	4	12	0	22
Lambertville	2	12	2	5	1	23	0	39	0	84									
PENNSYLVANIA—																			
Bedford	0	0	4	1	2	20	18	36	0	81	0	6	3	1	2	18	16	21	61
Byberry	3	5	9	0	0	4	15	12	3	51	0	2	2	0	0	3	27	5	39
Ceres	9	0	11	6	1	5	37	6	15	90	0	0	6	1	11	15	31	7	71
Gettysburg	3	12	0	3	5	24	13	28	5	93	0	1	0	1	1	7	19	15	44
Harrisburg	0	0	12	11	5	5	15	45	0	93	0	0	0	0	1	1	10	18	30
Lima	4	6	6	5	4	10	2	35	20	92	0	0	0	3	2	5	11	26	47
Morrisville	9	12	4	5	1	14	9	27	12	93	2	5	1	2	1	4	26	21	62
Moss Grove	3	2	0	6	4	8	13	13	5	54	4	0	0	4	4	11	35	9	67
Norristown	0	0	18	5	1	7	40	10	0	81	0	0	14	1	0	9	36	0	60
Philadelphia	4	17	5	0	2	20	12	31	0	91	0	0	0	0	0	4	17	7	28
Pittsburg	1	0	7	4	6	5	38	19	44	124									
Pocopson	2	3	1	3	1	9	15	25	0	59									
Sugar Grove	1	0	0	4	4	30	6	18	16	79	1	0	0	4	3	27	10	18	63
Youngsville	8	0	5	1	11	2	50	2	0	79	9	0	8	0	3	2	35	1	58
Warrior's Mark	2	3	5	3	5	7	18	21	6	70	0	0	0	0	0	1	0	1	2
West Haverford	0	0	0	3	2	9	10	21	17	62	1	0	0	0	1	3	3	26	34
MARYLAND—																			
Frederick	3	8	5	1	7	23	15	23	8	93	2	0	0	0	0	6	37	3	48
Schellman Hall	2	1	0	0	10	16	48	16	0	93	1	1	1	0	0	7	59	2	71
DISTRICT OF COLUMBIA—																			
Washington	0	5	3	3	6	6	5	21	8	57	2	1	0	4	0	1	21	8	37
VIRGINIA—																			
Alexandria	10	9	5	2	18	9	7	32	0	92									
Ashland	11	1	3	2	15	30	15	16	0	93	2	0	0	0	3	0	8	0	13
Crichton's Store	7	2	6	2	17	38	17	3	2	94	1	1	4	0	3	34	26	2	71
Huntersville	1	0	0	11	11	29	13	28	0	93	1	0	0	14	11	29	7	17	79
Lewisburg	0	1	0	0	0	6	22	2	0	31	0	0	0	0	0	8	9	3	20
New Creek Depot	0	10	9	4	2	2	42	8	1	78	0	3	0	0	0	4	27	4	38
Portsmouth	9	14	7	5	22	12	10	14	0	93									
Winchester	0	0	1	0	2	11	18	13	48	93	0	0	0	0	1	5	6	4	16
NORTH CAROLINA—																			
Chapel Hill	7	7	3	3	11	24	27	11	0	93	4	0	0	0	6	26	16	6	58
Thornbury	9	5	1	1	16	25	17	11	8	93	0	0	0	2	2	10	34	2	50
SOUTH CAROLINA—																			
Camden	5	6	13	5	4	11	10	8	0	62	1	0	0	0	0	11	15	0	27
St. John's	3	7	0	6	2	34	2	8	0	62									
GEORGIA—																			
Culloden	12	11	5	8	9	33	3	8	0	89	10	16	2	4	3	4	4	5	48
Savannah	2	7	7	20	13	13	10	13	0	85	1	0	2	2	4	3	8	5	25
Sparta	0	24	0	6	0	22	5	32	0	89	0	1	0	2	1	23	5	12	44
The Rock	2	1	0	2	2	9	1	8	0	25									
Whitemarsh Island	4	11	2	7	13	18	7	10	13	85	0	6	0	2	2	9	6	23	48
FLORIDA—																			
Cedar Keys	3	20	8	8	11	20	9	14	0	93	1	10	5	3	7	20	7	13	66
Jacksonville	4	23	1	7	4	42	6	6	0	93	1	8	0	2	2	22	16	3	54
Key West	6	14	15	16	2	0	3	4	2	62									
Knox Hill	8	16	10	9	14	17	8	5	0	87	3	3	1	11	10	14	11	2	55
Warrington	8	9	4	23	5	18	8	15	2	92	0	1	0	8	7	22	10	33	81
ALABAMA—																			
Greene Springs	14	8	8	1	17	10	6	5	1	70	0	0	0	0	12	19	8	5	44
MISSISSIPPI—																			
Garlandsville	0	11	0	9	2	42	7	19	0	93	0	14	0	8	2	49	2	4	70
Jackson	9	3	2	1	29	7	7	5	29	92	1	0	2	0	3	9	6	3	24
Lake Washington	3	1	5	2	3	8	4	3	0	29	2	1	0	0	4	16	15	3	41
LOUISIANA—																			
New Orleans	12	12	29	4	10	1	15	7	3	93	3	0	2	0	8	9	12	0	34

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—																			
Austin	18	3	1	17	37	4	0	5	8	93	8	2	1	13	38	14	3	8	87
Huntsville	12	0	6	1	46	0	3	0	0	68	29	0	4	0	15	0	2	0	50
New Wied	17	3	7	21	16	9	4	5	11	93	0	0	0	0	3	3	2	2	10
TENNESSEE—																			
Glenwood	7	17	2	5	19	12	6	13	12	93	0	1	0	0	1	22	34	9	67
Knoxville	21	4	7	0	20	14	12	10	0	88	----	----	----	----	----	----	----	----	----
Lebanon	13	10	8	6	26	11	6	8	0	88	0	0	0	0	11	26	38	19	94
Memphis	3	16	5	19	1	23	7	15	4	93	2	12	1	12	2	26	6	5	66
KENTUCKY—																			
Ballardsville	3	8	0	2	4	25	7	44	0	93	0	0	0	2	0	0	33	32	67
Danville	6	5	2	5	13	22	19	21	0	93	2	0	0	1	1	27	19	10	60
Springdale	6	3	4	1	11	24	6	13	25	93	----	----	----	----	----	----	----	----	----
OHIO—																			
College Hill	7	1	0	7	7	14	24	9	24	93	2	0	0	1	2	10	9	5	29
Geneva Hall	0	1	0	11	0	22	25	29	5	93	0	1	0	7	0	17	20	22	67
Germantown	2	4	1	15	5	36	0	22	0	85	0	1	0	3	4	35	0	10	53
Granville	2	6	1	3	3	28	20	6	17	86	1	1	0	0	2	17	9	5	35
Hillsborough	2	6	2	10	4	19	6	22	0	71	0	0	0	1	1	8	5	10	25
Huron	1	8	0	1	0	15	0	17	0	42	2	5	0	1	0	11	0	13	32
Jackson	6	6	11	0	7	12	29	5	5	81	5	0	0	0	4	7	30	5	51
Marietta	0	0	0	2	6	2	13	14	55	92	1	0	0	0	6	11	16	7	41
Mount Vernon	0	0	5	3	11	17	36	7	11	90	0	0	2	1	4	17	24	3	51
Oberlin	8	2	6	7	24	8	14	22	2	93	0	0	0	1	4	6	28	6	45
Perrysburg	3	0	9	4	0	5	24	11	0	56	----	----	----	----	----	----	----	----	----
Savannah	2	0	0	5	0	21	39	25	0	92	2	0	0	4	0	21	34	23	84
MICHIGAN—																			
Ann Arbor, [Woodruff]	5	2	4	18	5	13	18	18	10	93	2	0	3	4	2	6	29	12	58
Battle Creek	3	1	14	7	8	22	17	18	3	93	0	0	1	3	3	25	18	15	65
Brooklyn	1	1	4	9	6	17	28	9	11	86	0	0	2	7	4	13	14	10	50
Detroit	5	17	8	7	5	31	8	12	0	93	----	----	----	----	----	----	----	----	----
Flint	7	4	0	15	17	8	18	21	0	90	----	----	----	----	----	----	----	----	----
Monroe, [Whelpley]	2	15	7	7	0	23	4	35	0	93	2	12	5	6	0	20	4	32	81
St. James	3	8	7	5	6	27	7	22	7	92	1	4	2	0	4	20	3	19	53
INDIANA—																			
Kendallville	11	1	3	5	20	9	1	15	0	65	1	1	1	1	3	6	20	8	41
Milton	4	2	0	14	0	16	14	14	29	93	0	1	0	1	0	8	3	7	20
New Harmony	11	1	3	5	20	9	1	15	0	65	0	0	0	0	0	4	0	1	5
Richmond	6	4	2	12	6	14	13	7	4	68	0	0	0	1	0	7	17	8	33
ILLINOIS—																			
Athens	0	8	1	25	1	14	1	34	0	84	0	0	0	8	3	7	17	28	63
Augusta	10	11	7	19	7	9	4	20	6	93	0	1	0	2	1	4	10	2	20
Batavia	3	8	1	2	20	13	34	5	7	93	----	----	----	----	----	----	----	----	----
Ottawa	6	4	8	7	11	19	14	23	1	93	0	0	0	3	3	14	9	14	43
Upper Alton	8	11	1	11	8	5	18	18	0	80	0	1	0	1	2	3	7	1	15
MISSOURI—																			
Hannibal	26	3	9	25	27	7	8	5	3	93	9	1	6	2	15	3	14	8	58
St. Louis	6	7	9	28	2	11	12	18	0.	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Bellefontaine	6	5	9	16	4	19	27	7	0	93	1	0	1	1	1	11	32	7	54
Beloit	3	4	3	11	9	28	2	30	0	90	3	0	0	2	5	6	2	4	22
Ceresco	3	7	4	16	6	14	10	26	7	93	0	3	6	2	0	0	2	0	13
Janesville	4	9	2	3	6	19	31	8	11	93	0	2	0	0	0	0	0	0	2
Madison	3	4	0	18	12	20	9	27	0	93	----	----	----	----	----	----	----	----	----
Milwaukie	2	15	0	16	5	17	4	31	3	93	0	0	0	0	0	0	1	1	2
Platteville	0	5	5	20	6	9	22	26	0	93	0	3	1	2	0	15	31	14	66
IOWA—																			
Dubuque	20	7	0	4	11	15	9	23	4	93	1	2	0	0	1	7	6	13	30
Fort Madison	3	6	0	23	7	21	3	30	0	93	3	3	1	2	2	12	25	6	54
Keokuk	11	12	9	4	6	3	16	4	28	93	10	1	6	0	5	1	30	1	54
Muscatine	7	5	0	13	11	3	20	36	0	93	0	0	0	1	0	16	3	7	27
Poultney	6	4	6	14	8	9	18	19	4	88	1	0	1	2	3	6	23	9	45
Quasqueton	1	3	5	24	9	3	12	34	0	91	3	0	0	1	2	6	8	4	24

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MINNESOTA—																			
St. Anthony's Falls	9	5	1	12	15	3	9	36	3	93	----	----	----	----	----	----	----	----	----
St. Joseph's	42	1	5	0	29	0	6	2	7	92	----	----	----	----	----	----	----	----	----
NEBRASKA—																			
Fort Pierre	17	8	3	23	2	7	3	29	1	93	5	2	1	6	1	8	10	51	84
Fort Union	3	0	0	3	1	5	4	12	3	31	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento, [Logan]	12	6	3	3	24	15	6	24	0	93	----	----	----	----	----	----	----	----	----
Stockton	26	20	0	29	18	36	9	48	0	186	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Assumption, Paraguay	15	22	9	22	13	4	3	5	0	93	4	7	3	7	7	5	0	10	43
EASTERN CONTINENT—																			
Mosul, Mesopotamia	4	5	5	4	3	5	3	8	0	37	----	----	----	----	----	----	----	----	----

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	29	5	0	4	14	22	5	10	0	89									
CANADA EAST—																			
St. Martin's	1	46	1	5	0	29	1	7	0	90									
MAINE—																			
Carmel	0	11	0	15	4	12	10	17	3	72	0	10	0	12	3	8	5	7	45
Fryeburg	13	19	2	5	4	21	4	10	0	78	1	0	0	0	0	0	1	27	29
Oldtown	8	15	1	6	6	18	13	15	8	90	4	10	2	5	6	13	9	8	57
Perry	7	19	0	6	7	16	9	23	3	90	3	14	1	0	4	16	3	11	52
Steuben	0	37	3	2	0	23	1	15	6	87	0	5	0	0	0	11	18	15	49
Windham	1	27	0	5	5	0	2	17	19	76									
NEW HAMPSHIRE—																			
Concord	11	40	3	3	0	14	0	19	0	90									
Exeter	7	20	13	8	0	15	14	12	0	89	5	18	12	8	1	14	9	8	75
Hanover	19	8	1	7	16	6	2	31	0	90	7	2	0	3	1	2	8	8	31
Londonderry	9	15	9	6	3	5	5	26	12	90	2	11	3	1	0	0	14	8	39
Manchester	13	12	11	5	3	12	11	23	0	90	4	9	12	3	0	2	27	14	71
Salmon Falls	3	24	12	8	4	13	4	8	12	88	4	9	1	1	0	2	1	23	41
VERMONT—																			
Brandon	33	0	2	1	27	2	2	13	8	88	10	0	0	0	8	8	9	10	45
Burlington	44	4	1	2	24	5	1	9	0	90	1	0	0	0	0	0	1	1	3
Castleton	42	4	1	2	15	3	1	5	16	89	2	0	0	0	3	3	1	4	13
Craftsbury	11	19	3	3	25	2	5	12	0	80	8	13	1	2	9	0	14	14	61
St. Johnsbury	4	1	2	2	0	22	24	35	0	90									
MASSACHUSETTS—																			
Amherst	4	11	3	19	6	5	6	34	1	89	1	5	1	1	0	0	8	14	30
Mendon	2	33	5	5	0	38	3	4	0	90	3	29	6	4	0	38	3	7	90
Nantucket	3	27	6	5	3	26	4	12	3	89									
New Bedford	8	23	1	8	4	27	3	13	1	88	1	1	0	0	0	3	3	3	11
Newburyport	3	27	10	6	10	6	16	7	0	85	1	0	0	0	0	1	2	0	4
North Attleboro'	14	20	3	4	17	11	7	14	0	90	5	19	4	3	7	6	12	15	71
Princeton	1	34	0	2	0	4	11	18	6	76	0	4	0	0	0	1	12	10	27
Richmond	2	26	0	10	2	19	2	27	2	90	0	22	0	9	4	18	2	15	70
Southwick	3	31	2	6	5	5	3	8	5	68	0	12	0	3	0	4	9	6	34
Springfield	12	16	2	3	1	15	1	10	30	90	6	7	0	2	0	4	1	17	37
Worcester	0	24	0	4	0	21	1	40	0	90									
RHODE ISLAND—																			
North Scituate	6	30	1	1	5	24	5	16	1	89	0	4	0	0	0	0	2	9	15
Providence	2	28	1	5	11	18	3	21	0	89									
CONNECTICUT—																			
New London	2	17	0	8	7	18	2	15	0	69									
Pomfret	6	24	4	7	9	17	2	21	0	90	5	19	0	6	0	18	6	9	63
Saybrook	12	16	6	10	12	9	6	10	8	89	8	10	1	3	0	9	10	6	47
West Cornwall	7	10	5	17	1	18	8	23	1	90									
NEW YORK—																			
Baldwinsville	10	8	12	0	0	6	20	28	0	84	5	4	0	0	1	0	28	29	67
Beaver Brook	9	15	10	12	5	15	10	28	0	104									
Beverly	4	20	0	5	2	33	0	22	4	90	4	13	0	6	4	17	14	16	74
Buffalo, [Salisbury]	5	31	1	2	1	13	2	2	5	62	4	10	1	0	1	5	6	2	29
Canton	2	46	0	3	3	26	0	9	1	90	1	38	0	3	3	24	0	8	77
Chatham	0	11	1	28	1	14	0	35	1	91	0	4	0	7	0	7	7	47	72
Fishkill	0	15	0	0	3	36	0	3	33	90									
Gouverneur	7	29	1	4	1	35	4	9	0	90	6	25	0	0	0	28	3	6	68
Leroy	4	12	3	2	4	0	0	3	0	28									
Lodi	11	9	4	6	6	17	6	22	9	90	2	0	0	0	0	6	12	9	29
Madrid	1	36	0	0	1	21	2	11	13	85	0	4	0	0	0	27	5	8	44
New York city	12	40	5	20	17	43	6	37	0	180									
New York city, [Deaf and Dumb Institution]	4	24	0	14	0	23	9	16	0	90	1	13	1	7	1	16	24	7	70
Penn Yan	10	26	1	0	21	16	9	7	0	90									
Sag Harbor	5	21	3	11	14	20	8	8	0	90	4	15	1	3	2	17	24	11	77
Troy	28	5	0	9	12	4	6	8	16	88									
Wampsville	1	3	13	7	6	11	37	11	1	90	2	3	13	6	6	13	31	10	84

NO. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	1	27	1	7	2	29	2	21	0	90									
Burlington	6	24	2	1	5	20	16	12	4	90	7	19	0	0	2	15	6	3	52
Lambertville	3	20	1	1	4	33	1	15	0	78									
PENNSYLVANIA—																			
Bedford	0	0	1	10	3	24	4	33	0	75	0	0	0	7	1	21	5	23	57
Byberry	17	19	1	0	4	21	12	8	8	90	4	19	0	0	3	6	37	25	94
Gettysburg	11	14	0	1	7	27	7	17	5	89	2	5	1	1	1	12	15	24	61
Harrisburg	9	7	4	13	15	4	15	21	0	88	1	0	1	1	6	2	17	10	38
Lima	8	23	3	13	8	9	10	12	3	89	3	9	1	1	1	8	24	23	70
Morrisville	6	26	0	6	4	26	4	13	5	90	7	18	1	1	0	10	22	12	71
Moss Grove	6	5	2	3	3	8	12	8	4	51	5	1	6	4	2	0	41	11	70
Norristown	3	9	12	9	6	1	33	17	0	90	1	5	10	0	2	2	32	13	65
Philadelphia	9	19	1	3	1	39	3	15	0	90	1	1	0	0	0	10	12	6	30
Pittsburg	2	1	18	3	6	6	37	11	36	120									
Pocopson	6	13	4	1	3	12	11	13	3	66	0	0	0	0	0	0	1	0	1
Sugar Grove	5	17	4	0	2	19	15	9	15	86	4	17	0	0	0	11	23	13	68
Warrior's Mark	3	21	15	1	3	1	18	16	11	89	0	0	0	0	0	0	1	1	2
West Haverford	2	12	1	1	4	17	2	10	11	60	1	5	1	0	0	1	6	21	35
Youngsville	7	4	7	1	33	6	20	5	0	83	7	4	7	1	22	7	12	6	66
MARYLAND—																			
Frederick	11	11	0	1	17	13	14	20	3	90	9	4	0	1	2	5	38	10	69
Schellman Hall	4	9	2	3	6	13	31	19	0	87	2	2	4	1	0	8	51	3	71
DISTRICT OF COLUMBIA—																			
Washington	3	5	0	3	10	8	6	11	5	51	5	2	2	1	1	4	18	8	41
VIRGINIA—																			
Alexandria	12	13	5	7	22	11	4	15	0	89									
Ashland	20	8	5	0	19	21	9	8	0	90	1	0	0	0	0	1	13	0	15
Crichton's Store	22	2	1	5	13	20	1	3	1	68	10	0	0	0	2	16	18	2	48
Lewisburg	1	0	0	0	0	4	6	0	0	11	4	0	0	0	1	16	16	5	42
Winchester	0	5	4	0	3	5	22	1	46	86	0	0	0	0	2	0	13	0	15
NORTH CAROLINA—																			
Chapel Hill	9	11	0	3	14	22	15	16	0	90	4	2	1	1	14	17	9	6	54
Thornbury	9	8	7	1	14	15	17	3	9	83	3	5	1	0	6	7	19	6	47
SOUTH CAROLINA—																			
Camden	21	6	12	5	11	3	2	0	0	60	2	2	0	1	4	3	4	0	16
St. John's	2	10	1	2	19	24	0	11	0	60									
GEORGIA—																			
Culloden	4	6	6	14	8	26	9	14	0	87	0	8	2	5	1	2	3	4	25
Savannah	11	4	7	13	19	9	12	14	0	89	0	0	0	0	1	4	8	0	13
Sparta	0	21	0	5	0	18	0	45	0	89	1	2	1	2	1	9	6	13	35
The Rock	0	0	3	6	1	7	3	8	0	28									
Whitemarsh Island	8	8	1	8	24	8	10	7	16	90	4	2	0	2	7	10	9	4	38
FLORIDA—																			
Cedar Keys	9	14	10	5	4	7	26	10	5	90	3	9	7	5	6	8	21	6	65
Jacksonville	6	19	2	16	3	21	6	14	3	90	1	7	2	3	2	25	8	3	51
Key West	14	13	8	6	5	2	4	7	1	60									
Knox Hill	7	7	2	2	6	15	3	7	0	49	3	0	0	2	0	15	5	0	25
Warrington	12	8	1	19	10	14	3	18	5	90	2	0	1	7	5	8	1	29	53
ALABAMA—																			
Greene Springs	11	7	5	2	2	2	9	6	27	71	2	0	0	1	5	3	6	4	21
MISSISSIPPI—																			
Garlandsville	3	3	0	19	0	41	3	21	0	90	2	0	0	10	0	30	1	9	52
Jackson	5	0	1	5	38	2	11	13	15	90	1	0	0	0	4	2	8	2	17
Lake Washington	0	1	0	1	0	5	1	6	0	14	1	0	0	0	1	5	6	4	17
LOUISIANA—																			
New Orleans	13	12	28	9	13	0	4	10	1	90	1	1	0	1	6	4	7	2	22
TEXAS—																			
Austin	14	4	0	20	31	3	1	13	4	90	6	2	1	16	20	17	3	12	77
New Wied	28	3	1	32	10	7	0	2	7	90	3	0	2	0	5	2	0	8	20
TENNESSEE—																			
Glenwood	5	12	0	6	19	14	3	10	21	90	2	5	0	0	1	25	21	8	62
Knoxville	11	0	1	10	7	17	15	15	0	79									
Memphis	0	11	1	15	4	33	1	19	6	90	0	5	2	6	2	26	3	17	61
KENTUCKY—																			
Ballardsville	13	2	3	5	1	27	12	27	0	90	0	0	0	0	0	5	0	1	6

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—Continued.																			
Danville	12	6	5	2	15	28	8	12	0	88	4	3	2	0	2	29	12	12	64
Millersburg	7	7	3	6	2	18	23	4	16	86	----	----	----	----	----	----	----	----	----
Springdale	9	13	3	1	8	26	6	4	20	90	----	----	----	----	----	----	----	----	----
OHIO—																			
College Hill	5	12	7	7	5	14	7	9	21	87	2	9	1	0	4	3	11	9	39
Geneva Hall	2	16	0	12	0	14	17	25	4	90	3	16	0	2	0	10	21	30	82
Germantown	6	25	2	8	5	37	1	4	0	88	3	16	0	3	4	44	2	6	78
Granville	2	20	0	0	0	23	11	3	27	86	2	13	0	0	1	15	10	1	42
Hillsborough	2	22	0	6	1	23	0	9	0	63	0	4	0	0	0	10	0	13	27
Huron	1	40	0	1	2	33	4	8	1	90	2	37	1	0	1	31	4	10	86
Jackson	11	12	14	0	3	10	22	2	6	80	9	4	0	0	8	13	21	4	59
Marietta	3	1	1	0	6	4	6	11	20	52	0	0	0	0	1	8	3	6	18
Mount Vernon	12	13	2	1	5	12	18	4	22	89	8	6	0	0	3	8	34	4	63
Oberlin	9	27	0	1	8	18	15	6	4	88	7	13	1	0	0	4	35	3	63
Perrysburg	6	11	10	6	13	17	15	11	0	89	----	----	----	----	----	----	----	----	----
Savannah	12	6	0	0	0	17	35	14	5	89	11	6	0	0	0	17	31	17	82
MICHIGAN—																			
Ann Arbor, [Woodruff]	3	32	8	6	8	18	5	2	8	90	4	12	1	2	0	12	29	10	70
Battle Creek	2	25	8	3	10	15	12	2	13	90	3	14	1	0	0	31	24	8	81
Detroit	0	42	4	1	4	35	2	2	0	90	----	----	----	----	----	----	----	----	----
Flint	25	14	2	2	17	5	8	4	0	77	----	----	----	----	----	----	----	----	----
Grand Rapids	0	33	3	1	2	10	9	0	19	77	1	2	0	1	0	6	16	2	28
Monroe, [Whelpley]	0	29	2	12	0	17	0	30	0	90	0	29	3	13	0	15	0	28	88
St. James	3	19	17	5	2	22	6	9	5	88	2	4	1	0	1	12	4	8	32
INDIANA—																			
Kendallville	13	13	6	4	11	20	8	11	3	89	1	6	6	1	0	12	11	5	42
Milton	11	12	2	5	2	26	12	2	18	90	4	4	1	1	0	11	6	0	27
New Harmony	12	4	6	7	22	4	2	6	0	63	0	0	0	0	0	2	0	0	2
Richmond	8	22	4	7	10	18	9	3	7	88	4	15	0	0	4	11	27	5	66
ILLINOIS—																			
Athens	0	23	3	23	1	23	1	8	0	82	0	13	0	3	1	22	3	17	59
Augusta	4	20	7	15	23	2	10	3	6	90	3	6	1	1	7	3	5	2	28
Batavia	13	4	1	1	22	17	19	11	2	90	----	----	----	----	----	----	----	----	----
Ottawa	3	38	1	4	8	21	8	5	2	90	0	10	0	1	1	17	7	10	46
Upper Alton	15	8	2	8	25	16	7	8	0	89	1	3	0	0	1	1	4	1	11
MISSOURI—																			
Hannibal	17	3	9	2	38	2	3	1	11	86	7	2	2	1	17	10	5	5	49
St. Louis	7	3	7	27	13	11	6	16	0	90	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Bellefontaine	6	21	15	10	5	18	11	4	0	90	5	3	6	3	1	10	17	17	62
Beloit	6	26	7	7	10	26	4	4	0	90	2	4	1	0	6	9	0	1	28
Janesville	5	34	1	4	3	21	7	4	11	90	----	----	----	----	----	----	----	----	----
Madison	7	27	1	7	7	23	6	13	0	91	----	----	----	----	----	----	----	----	----
Milwaukie	0	43	1	10	1	22	1	5	7	90	----	----	----	----	----	----	----	----	----
Platteville	13	18	12	16	14	7	4	6	0	90	8	6	4	1	3	5	32	7	66
IOWA—																			
Dubuque	4	17	9	5	5	20	8	10	7	85	2	7	3	2	3	15	5	7	44
Fort Madison	6	16	1	13	13	29	2	9	0	89	4	9	1	1	2	24	15	3	59
Muscatine	3	29	0	20	8	23	3	4	0	90	0	7	2	1	1	19	5	4	39
Poultney	1	20	14	3	13	14	4	4	9	82	1	2	1	0	0	4	9	1	18
Quasqueton	3	31	7	9	11	9	6	9	2	87	0	1	0	2	2	5	8	3	21
MINNESOTA—																			
St. Anthony's Falls	14	5	8	8	34	1	11	6	3	90	9	4	1	6	11	6	19	13	69
St. Joseph's	7	18	12	6	25	0	8	2	11	89	----	----	----	----	----	----	----	----	----
NEBRASKA—																			
Fort Pierre	8	15	2	28	6	6	1	18	6	90	9	15	4	16	3	9	4	29	89
Fort Union	2	2	3	5	5	2	5	6	0	30	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento, [Logan]	3	5	1	9	15	24	3	30	0	90	----	----	----	----	----	----	----	----	----
Stockton	9	10	0	13	8	15	27	98	0	180	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Assumption, Paraguay	14	15	9	19	16	6	3	7	1	90	4	8	2	6	10	5	3	5	43
EASTERN CONTINENT—																			
Mosul, Mesopotamia	7	1	1	5	4	1	3	7	1	30	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	9	4	1	20	23	22	3	10	1	93									
CANADA EAST—																			
St. Martin's	6	14	5	13	6	22	12	13	2	93									
MAINE—																			
Carmel	0	3	1	24	7	7	4	19	11	76	0	3	0	18	2	7	3	12	45
Fryeburg	9	5	6	7	5	32	5	10	0	79	0	1	2	2	4	5	8	27	49
Perry	6	2	4	26	20	19	3	13	0	93	2	1	3	7	5	10	7	9	44
Steuben	1	18	1	7	10	35	3	15	3	93	1	11	0	1	0	13	9	13	48
Windham	0	9	16	12	6	2	5	11	5	66	0	0	0	0	0	0	1	1	2
NEW HAMPSHIRE—																			
Concord	3	19	0	34	0	22	1	14	0	93									
Exeter	5	11	3	15	5	29	8	17	0	93	0	4	0	1	2	15	1	11	34
Hanover	12	4	1	13	15	19	4	21	4	93	1	1	5	2	6	9	6	7	37
Londonderry	1	2	3	23	13	5	11	20	15	93	0	4	0	2	8	3	21	10	48
Manchester	12	3	10	6	19	27	5	11	0	93	2	6	2	1	12	1	44	6	74
Salmon Falls	1	4	6	11	16	22	9	13	11	93	5	8	1	4	1	9	13	16	57
VERMONT—																			
Brandon	19	0	2	6	37	8	2	13	6	93	4	0	0	4	6	14	17	6	51
Burlington	30	3	1	1	39	2	5	12	0	93	0	0	0	0	3	2	2	4	11
Castleton	16	1	1	10	19	10	8	5	23	93	2	0	0	1	0	7	2	0	12
Craftsbury	5	5	1	1	24	11	13	11	0	71	2	4	1	1	12	9	16	7	52
St. Johnsbury	1	0	0	5	8	17	10	52	0	93									
MASSACHUSETTS—																			
Amherst	7	4	2	24	11	11	5	25	0	89	0	3	0	9	2	6	5	19	44
Mendon	1	11	1	3	7	48	5	17	0	93	1	11	1	2	7	50	6	15	93
Nantucket	0	15	0	14	17	20	12	9	6	93									
New Bedford	4	11	1	15	10	38	2	11	1	93	5	2	1	1	1	6	4	10	30
Newburyport	2	7	5	8	25	18	10	13	0	88									
North Attleboro'	7	9	0	5	46	10	4	12	0	93	4	5	0	6	26	12	16	10	79
Princeton	4	16	0	5	9	18	11	18	0	81	1	6	0	2	5	10	21	6	51
Richmond	0	6	0	15	2	36	1	33	0	93	0	5	1	13	3	31	2	17	72
Southwick	2	12	1	9	18	12	1	10	12	77	0	5	0	2	6	12	6	6	37
Springfield	4	9	0	4	20	14	2	13	27	93	1	8	1	2	7	9	5	17	50
Taunton	8	11	0	12	6	24	4	18	9	92	5	12	0	12	4	21	6	21	81
Worcester	0	9	0	12	0	42	1	29	0	93									
RHODE ISLAND—																			
North Scituate	1	17	0	11	7	37	2	12	2	89	1	3	0	1	0	9	4	4	22
Providence	4	11	6	14	13	28	2	15	0	93									
CONNECTICUT—																			
New London	2	8	1	10	16	39	0	17	0	93									
Pomfret	6	10	2	9	23	19	2	22	0	93	3	5	0	7	15	19	3	15	67
West Cornwall	4	7	0	14	8	26	8	26	0	93									
NEW YORK—																			
Angelica	11	4	0	8	0	29	16	25	0	93	1	0	1	0	5	25	23	7	62
Baldwinsville	10	3	3	3	5	16	13	30	0	83	2	0	0	1	2	8	24	25	62
Beaver Brook	11	2	8	16	11	7	6	30	2	93	3	2	0	4	9	17	13	11	59
Beverly	5	8	0	15	16	23	4	15	7	93	1	4	0	18	3	24	11	4	65
Buffalo, [Salisbury]	3	15	0	0	6	22	1	2	2	51	0	0	0	0	1	5	5	2	13
Canton	3	18	0	3	4	49	3	6	7	93	2	16	0	3	3	40	2	5	71
Chatham	0	10	1	39	1	13	1	23	5	93	0	3	0	11	0	16	3	39	72
Fishkill	0	15	0	0	15	27	9	12	15	93									
Gouverneur	5	11	1	0	4	34	31	4	0	93	1	3	2	0	1	17	39	2	65
Lodi	10	1	1	12	11	15	10	24	9	93	2	0	0	0	7	12	12	11	44
Madrid	6	15	0	3	4	34	8	4	16	90	2	2	0	0	2	35	10	4	55
New York city,	10	8	12	36	38	21	20	35	0	180									
New York city, [Deaf and Dumb Institution]	2	12	9	22	2	11	15	17	0	93	1	4	7	4	2	11	26	7	62
Penn Yan	3	19	0	0	29	17	16	9	0	93									
Sag Harbor	5	9	3	12	25	20	2	16	1	93	0	5	0	7	3	33	6	9	63
Troy	11	3	3	10	23	4	12	12	15	93									
Wampsville	0	2	4	7	14	12	39	15	0	93	0	2	1	7	13	13	35	11	82

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	0	23	0	8	9	33	0	20	9	93									
Burlington	14	6	0	4	5	12	17	4	31	93	5	5	0	2	6	6	6	2	32
Lambertville	1	13	2	16	7	17	2	24	0	82									
PENNSYLVANIA—																			
Bedford	1	1	2	11	1	22	5	31	0	74	1	1	2	7	0	19	5	12	47
Gettysburg	8	7	1	5	22	23	5	18	4	93	2	0	0	2	5	32	16	16	73
Harrisburg	2	1	0	22	4	7	18	23	0	77	2	0	0	9	4	3	13	6	37
Lima	4	11	9	12	10	3	5	20	19	93	2	4	1	2	2	20	17	17	65
Morrisville	8	9	10	10	10	13	8	15	10	93	8	2	2	3	7	13	13	7	55
Moss Grove	4	1	2	3	4	16	37	2	14	83	0	0	0	0	1	8	41	2	52
Norristown	0	3	2	17	6	3	42	9	0	82	2	1	4	5	5	9	39	2	67
Philadelphia	5	19	5	9	4	28	7	16	0	93	1	2	0	4	2	19	10	3	41
Pittsburg	0	1	14	13	11	10	25	6	44	124									
Pocopson	5	4	1	0	6	29	17	20	0	82	0	0	0	1	0	7	4	3	15
Sugar Grove	0	7	2	1	8	22	23	18	10	91	0	1	0	1	2	30	12	10	56
Warrior's Mark	4	6	9	10	8	6	15	22	8	88									
West Haverford	3	8	0	4	4	23	5	8	5	60	3	4	0	0	0	10	11	11	39
MARYLAND—																			
Frederick	5	10	2	9	23	14	9	13	8	93	3	1	3	3	13	14	28	9	74
Schellman Hall	4	2	0	2	11	25	48	1	0	93	1	9	0	6	2	16	51	0	76
DISTRICT OF COLUMBIA—																			
Washington	1	4	1	3	14	6	5	12	5	51	0	2	0	2	2	9	20	3	38
VIRGINIA—																			
Alexandria	4	9	6	14	25	9	5	18	0	90									
Ashland	17	6	3	3	30	14	11	9	0	93	1	0	0	0	1	1	8	3	14
Crichton's Store	13	4	0	3	21	32	10	6	4	93	7	2	0	2	6	39	25	2	83
Lewisburg	0	1	0	0	1	9	0	0	0	11	2	1	0	2	3	17	12	0	37
Winchester	0	0	0	8	2	2	31	0	50	93	0	0	2	3	2	2	13	0	22
NORTH CAROLINA—																			
Chapel Hill	8	8	9	8	16	17	21	6	0	93	3	2	4	2	13	22	9	5	60
Thornbury	3	2	25	0	8	27	13	0	6	84	0	1	9	2	1	13	25	1	52
SOUTH CAROLINA—																			
Camden	5	4	20	5	18	13	10	1	0	76	2	0	6	1	7	5	9	1	31
St. John's	3	9	5	22	4	17	0	2	0	62									
GEORGIA—																			
Augusta	3	6	5	18	2	24	9	2	0	69	2	12	9	13	3	21	7	0	67
Culloden	2	9	19	20	12	20	4	5	0	91	0	7	4	4	4	7	1	4	31
Savannah	9	6	7	33	20	1	8	7	0	91	1	1	1	1	3	0	2	3	12
Sparta	0	18	3	14	2	25	0	29	0	91	0	2	2	8	2	12	3	12	41
Whitemarsh Island	2	10	4	12	30	6	4	5	19	92	0	7	1	8	10	13	6	13	58
FLORIDA—																			
Cedar Keys	1	18	20	6	0	16	22	5	5	93	0	9	14	6	1	12	9	6	57
Jacksonville	4	31	7	21	6	20	0	3	1	93	1	15	2	10	0	32	9	2	71
Key West	7	11	12	23	2	0	2	4	1	62									
Knox Hill	2	12	13	10	16	25	1	5	3	87	2	3	3	10	9	19	10	5	61
Warrington	2	4	1	28	16	27	1	10	4	93	0	0	0	24	6	18	9	26	83
MISSISSIPPI—																			
Garlandsville	0	6	1	21	15	28	6	15	0	92	0	1	0	23	9	33	6	5	77
Jackson	8	3	7	12	32	3	0	3	19	87	0	0	1	3	25	3	1	2	35
Lake Washington	0	0	1	2	2	0	0	0	0	5	0	0	0	1	6	6	0	0	13
LOUISIANA—																			
New Orleans	7	5	36	14	16	1	3	3	7	92	0	0	0	2	18	16	10	0	46
TEXAS—																			
Austin	5	2	3	19	34	2	3	15	11	94	3	3	4	17	31	16	5	12	91
New Wied	22	9	21	20	4	0	0	5	12	93	5	0	6	1	6	0	6	9	33
TENNESSEE—																			
Glenwood	2	4	3	21	13	13	6	1	30	93	0	2	0	6	10	28	26	4	76
Knoxville	10	8	9	19	8	12	13	10	0	79									
Memphis	0	10	0	36	2	23	4	9	10	94	2	5	1	29	2	35	3	8	85
KENTUCKY—																			
Ballardsville	19	1	0	9	9	20	13	22	0	93	0	0	0	1	9	10	0	0	20
Danville	6	17	2	2	14	25	17	10	0	93	0	0	0	1	3	34	19	4	61
Millersburg	4	6	8	6	3	9	29	2	21	88									
Springdale	2	6	10	3	9	21	8	3	31	93									

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
College Hill	0	6	10	2	3	10	21	0	33	85	0	0	0	0	3	11	13	2	29
Geneva Hall	1	0	2	6	1	24	11	8	12	65	1	0	0	2	0	25	12	6	46
Germantown	2	11	2	16	5	43	2	6	0	87	0	2	0	10	4	37	3	3	59
Granville	1	8	2	3	7	21	4	4	33	83	0	2	0	1	1	20	5	4	33
Hillsborough	1	18	2	11	4	25	3	4	0	68	0	3	0	1	0	21	3	4	32
Huron	3	23	1	5	14	28	9	3	4	90	2	9	1	1	11	23	18	3	68
Jackson	4	11	27	4	3	20	8	0	13	90	0	0	1	0	6	22	22	1	52
Marietta	5	0	0	3	5	10	8	5	55	91	1	0	0	1	1	19	5	5	30
Mount Vernon	6	0	0	1	14	9	19	0	32	81	0	0	0	0	12	11	18	0	41
Oberlin	9	18	4	3	10	25	7	8	7	91	2	1	1	1	1	11	42	2	61
Perrysburg	11	18	6	17	9	17	6	7	2	93	----	----	----	----	----	----	----	----	----
Savannah	2	0	0	2	0	25	41	12	2	84	1	0	0	2	1	25	31	8	68
Zanesville	3	4	1	8	5	10	10	8	37	86	0	0	0	4	11	23	11	7	56
MICHIGAN—																			
Ann Arbor, [Woodruff]	3	8	9	23	5	23	8	6	5	90	2	0	0	1	9	21	28	12	73
Battle Creek	1	4	12	21	7	30	12	4	2	93	1	0	2	1	10	33	19	9	75
Detroit	3	19	21	6	8	29	4	3	0	93	----	----	----	----	----	----	----	----	----
Flint	13	4	2	5	18	18	23	5	0	88	----	----	----	----	----	----	----	----	----
Grand Rapids	0	12	8	12	2	35	6	2	16	93	0	0	0	0	1	9	12	2	24
Monroe, [Whelpley]	0	14	5	7	1	14	2	48	0	91	0	16	8	3	0	18	1	43	89
St. James	4	8	21	8	1	37	0	10	4	93	1	1	0	3	1	39	2	9	56
INDIANA—																			
Kendallville	0	1	9	23	7	20	24	7	0	91	0	0	1	4	5	10	18	1	39
La Fayette	4	5	2	19	5	25	13	9	11	93	0	0	0	5	8	23	36	3	75
Milton	0	18	2	4	0	27	3	1	38	93	0	2	0	1	0	17	5	0	25
New Harmony	5	1	4	13	20	12	3	5	1	64	0	0	0	0	4	8	2	0	14
Richmond	5	10	3	15	5	12	6	7	10	73	0	4	0	3	12	13	11	7	50
ILLINOIS—																			
Athens	0	15	0	32	1	20	1	11	0	80	0	5	0	19	3	17	32	14	90
Augusta	2	15	7	26	10	18	7	5	3	93	1	1	4	8	4	12	7	2	39
Batavia	4	5	1	5	9	27	30	6	5	92	----	----	----	----	----	----	----	----	----
Ottawa	0	13	8	25	3	22	7	13	1	92	0	1	1	7	7	14	14	6	40
Upper Alton	7	6	0	15	14	17	13	7	0	79	----	----	----	----	----	----	----	----	----
MISSOURI—																			
Hannibal	4	5	34	4	15	8	11	6	5	92	0	0	3	6	20	4	17	3	53
St. Louis	2	9	10	34	6	13	12	7	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Bellefontaine	6	7	18	11	9	13	26	3	0	93	4	1	3	4	5	9	30	10	66
Beloit	5	4	21	11	17	13	19	3	0	93	1	0	4	7	7	6	10	1	36
Janesville	0	13	9	19	9	14	15	6	8	93	----	----	----	----	----	----	----	----	----
Madison	2	9	0	36	2	22	6	16	0	93	----	----	----	----	----	----	----	----	----
Milwaukie	0	27	8	15	2	9	22	6	4	93	----	----	----	----	----	----	----	----	----
Platteville	5	1	20	22	1	9	26	9	0	93	2	0	12	9	0	10	21	2	56
IOWA—																			
Dubuque	4	3	23	15	2	8	13	6	12	86	0	1	1	6	10	8	16	10	52
Fort Madison	3	10	7	27	3	16	5	18	0	89	0	0	2	6	11	15	26	3	63
Muscatine	0	14	1	40	1	17	8	12	0	93	0	0	0	7	4	18	8	3	40
Pella	16	0	12	31	63	16	35	9	0	182	----	----	----	----	----	----	----	----	----
Poultney	4	3	23	15	2	8	13	6	12	86	0	0	1	10	2	8	21	5	47
Quasqueton	1	8	21	22	3	7	13	18	0	93	1	0	0	6	7	5	14	5	38
MINNESOTA—																			
St. Anthony's Falls	1	3	5	23	24	2	15	19	0	92	2	3	2	14	15	7	17	23	83
St. Joseph's	24	9	17	0	20	0	12	0	11	93	----	----	----	----	----	----	----	----	----
Lac qui Parle	1	2	6	26	13	4	2	38	1	93	0	0	6	15	7	4	13	11	56
NEBRASKA—																			
Fort Pierre	5	8	2	34	0	3	0	31	0	83	8	10	1	16	1	4	4	37	81
Fort Union	0	2	4	4	4	1	4	11	1	31	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento, [Logan]	3	3	4	11	26	25	3	18	0	93	----	----	----	----	----	----	----	----	----
Stockton	0	3	0	3	0	47	13	120	0	186	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Assumption, Paraguay	17	15	27	22	8	2	1	1	0	93	7	7	8	7	1	2	0	0	32
EASTERN CONTINENT—																			
Mosul, Mesopotamia	9	5	1	1	3	0	0	16	0	35	----	----	----	----	----	----	----	----	----

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	14	3	1	15	17	25	4	7	3	89	----	----	----	----	----	----	----	----	----
CANADA EAST—																			
St. Martin's	2	28	2	9	0	22	5	20	2	90	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	5	2	10	1	7	11	14	0	50	0	5	1	9	0	7	9	11	42
Fryeburg	19	10	5	9	2	19	13	4	0	81	1	4	3	2	0	5	19	16	50
Perry	2	9	3	30	10	29	3	4	0	90	0	6	1	5	6	15	7	1	41
Steuben	2	12	9	15	2	37	0	9	4	90	6	5	0	4	0	14	10	11	50
Windham	3	18	0	8	0	5	1	10	4	49	0	0	0	0	0	1	0	0	1
NEW HAMPSHIRE—																			
Concord	3	18	2	29	1	25	0	12	0	90	----	----	----	----	----	----	----	----	----
Hanover	23	5	2	19	4	7	3	24	0	87	5	0	0	2	4	1	1	3	16
Exeter	1	19	9	10	3	25	10	13	0	90	1	15	7	10	1	16	9	11	70
Great Falls	3	15	1	5	0	12	3	8	0	47	0	1	0	0	0	2	2	0	5
Londonderry	0	9	6	8	6	6	14	22	0	71	0	2	5	2	2	2	2	10	37
Manchester	13	5	18	6	7	19	11	11	0	90	3	2	9	2	4	0	35	4	59
Salmon Falls	1	6	19	7	8	13	14	5	0	73	6	2	2	0	0	4	2	14	30
VERMONT—																			
Brandon	19	1	1	9	21	3	0	9	9	72	8	1	0	1	2	8	5	10	35
Burlington	44	1	1	3	37	3	1	1	0	90	0	0	0	0	0	2	0	1	3
Castleton	37	0	1	4	26	2	0	0	20	90	0	0	0	0	1	0	0	0	1
Craftsbury	7	9	1	2	22	1	24	11	6	83	8	11	0	0	13	3	12	2	49
St. Johnsbury	1	2	0	0	2	19	0	56	0	80	0	3	0	0	2	16	1	12	34
MASSACHUSETTS—																			
Amherst	4	2	5	27	3	8	3	26	0	78	1	1	0	3	3	4	1	17	30
Mendon	0	12	0	3	0	57	3	15	0	90	0	15	0	3	0	57	4	11	90
Nantucket	3	18	1	5	7	42	3	5	6	90	----	----	----	----	----	----	----	----	----
New Bedford	4	12	3	7	3	45	4	11	1	90	10	0	0	1	0	6	4	9	30
Newburyport	6	12	9	9	18	9	17	4	0	84	----	----	----	----	----	----	----	----	----
North Attleboro'	13	12	3	0	29	12	6	15	0	90	6	9	0	0	15	7	17	9	63
Princeton	2	26	2	3	0	7	25	16	0	81	3	9	0	1	0	5	12	6	36
Richmond	1	1	0	8	3	46	0	27	2	88	1	0	0	7	6	29	2	23	68
Southwick	1	10	2	8	12	4	1	6	7	51	0	3	0	2	4	9	3	10	31
Springfield	5	11	0	2	9	15	5	11	32	90	1	7	0	2	4	4	5	10	33
Taunton	2	9	0	4	3	24	27	18	3	90	1	9	0	4	0	25	21	18	78
Worcester	1	10	1	11	0	24	2	41	0	90	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
North Scituate	2	15	7	2	3	38	3	17	0	87	1	0	0	0	0	3	1	6	11
CONNECTICUT—																			
New London	1	6	0	11	10	48	1	13	0	90	----	----	----	----	----	----	----	----	----
Pomfret	3	16	2	0	4	28	11	26	0	90	0	11	1	0	5	14	8	17	56
Saybrook	11	4	7	9	11	22	15	5	2	86	3	3	3	3	4	8	12	1	37
West Cornwall	4	3	0	14	3	20	16	30	0	90	----	----	----	----	----	----	----	----	----
NEW YORK—																			
Angelica	4	8	1	5	1	13	26	32	0	90	0	27	33	3	0	1	0	1	65
Baldwinsville	3	1	6	1	1	7	19	38	0	76	1	0	0	0	1	1	35	12	50
Beaver Brook	8	0	4	16	10	11	18	24	5	96	2	0	1	3	7	6	5	11	35
Beverly	7	9	0	16	8	30	1	11	5	87	1	4	2	11	6	18	17	8	67
Buffalo, [Salisbury]	0	4	0	0	0	21	1	0	4	30	1	0	0	0	0	6	0	0	7
Canton	6	23	1	2	3	40	0	8	5	88	1	17	1	1	3	25	0	4	52
Fishkill	9	3	3	0	21	30	9	3	9	90	----	----	----	----	----	----	----	----	----
Gouverneur	3	27	0	1	1	33	13	12	0	90	3	10	0	1	1	5	30	10	60
Le Roy	1	0	1	0	4	0	2	9	0	17	----	----	----	----	----	----	----	----	----
Lodi	7	5	1	9	8	5	20	23	12	90	1	0	0	1	6	6	16	14	44
Madrid	4	30	0	0	0	27	1	2	25	89	3	15	0	0	0	27	3	0	48
New York city	4	9	13	32	51	27	27	9	8	80	----	----	----	----	----	----	----	----	----
New York city, [Deaf and Dumb Institution]	3	13	8	19	1	13	23	10	0	90	2	3	12	5	1	10	31	7	71
Penn Yan	1	27	0	0	20	14	25	3	0	90	----	----	----	----	----	----	----	----	----
Sag Harbor	2	9	7	12	14	22	12	12	0	90	6	5	0	1	2	22	12	10	58
Troy	24	1	7	11	16	4	9	9	9	90	----	----	----	----	----	----	----	----	----
Wampsville	1	0	5	14	13	4	41	12	0	90	1	0	3	11	10	5	29	13	72

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	0	14	0	7	4	53	2	10	0	90									
Burlington	12	5	0	2	4	19	14	7	27	90	1	5	0	2	2	8	8	2	28
Lambertville	1	7	1	16	6	25	1	23	0	80									
PENNSYLVANIA—																			
Bedford	0	0	0	13	0	19	8	38	0	78	1	0	0	0	0	17	9	30	57
Gettysburg	6	9	3	1	13	21	15	15	6	89	1	1	0	1	6	12	7	24	52
Harrisburg	0	0	3	8	8	5	41	17	0	82	0	0	0	3	3	2	24	12	44
Lima	5	18	3	11	9	9	5	17	13	90	6	8	0	3	1	8	18	22	66
Morrisville	9	10	4	6	6	25	9	10	11	90	6	4	0	0	3	10	19	7	49
Moss Grove	4	2	2	0	1	4	22	3	32	70	0	0	1	0	0	8	43	1	53
Norristown	1	2	8	6	1	18	35	7	0	78	0	1	7	3	1	12	29	3	56
Philadelphia	5	8	3	6	6	33	8	21	0	90	4	1	0	0	1	12	6	3	27
Pittsburg	0	0	14	2	4	2	58	3	37	120									
Pocopson	4	3	2	1	10	23	19	14	0	76	0	1	0	1	2	3	2	3	12
Randolph	2	1	2	12	9	6	10	17	18	77	0	0	1	6	6	11	9	7	40
Warrior's Mark	0	4	15	12	1	1	12	12	22	79									
West Haverford	0	4	4	1	3	29	8	9	3	61	2	4	2	1	2	5	3	16	35
MARYLAND—																			
Frederick	2	6	3	8	14	20	20	9	6	88	4	2	0	5	7	12	20	7	57
Schellman Hall	0	1	0	4	4	21	56	4	0	90	0	0	0	3	1	10	60	4	78
DISTRICT OF COLUMBIA—																			
Washington	5	3	0	3	4	12	5	11	3	46	3	0	1	2	3	8	15	7	39
VIRGINIA—																			
Alexandria	11	6	5	13	23	6	4	21	0	89									
Ashland	13	3	4	4	34	12	17	3	0	90	0	0	1	0	1	0	12	1	15
Crichton's Store	20	7	2	5	11	30	4	8	3	90	3	6	0	1	2	41	24	9	86
Lewisburg	0	1	0	0	0	1	1	0	0	3	1	0	1	0	0	8	18	0	28
Montealm	1	0	1	0	0	4	2	0	0	8	1	2	0	0	0	3	4	0	10
Winchester	0	0	1	1	1	0	37	2	48	90	0	0	0	1	1	0	11	3	16
NORTH CAROLINA—																			
Chapel Hill	16	0	3	2	14	15	28	12	0	90	2	1	1	2	7	25	10	5	53
Thornbury	7	7	11	0	11	28	6	6	14	90	1	1	7	1	2	10	21	5	48
SOUTH CAROLINA—																			
Camden	4	12	13	1	17	0	18	7	0	72	0	13	1	9	3	12	4	8	50
St. John's	0	5	1	38	0	9	0	7	0	60									
GEORGIA—																			
Augusta	0	0	0	0	0	6	12	0	0	18									
Culloden	11	20	3	12	8	16	3	12	0	85	4	6	1	3	4	13	2	2	35
Savannah	15	4	3	18	22	12	12	4	0	90	1	1	0	1	1	1	2	0	7
Sparta	2	23	3	17	1	13	4	25	0	88	1	13	0	4	0	16	1	8	43
Whitemarsh	3	13	1	5	26	9	11	5	17	90	2	12	0	3	3	11	5	16	42
FLORIDA—																			
Cedar Keys	4	3	16	4	2	7	34	14	6	90	5	8	14	4	2	5	27	14	79
Jacksonville	2	25	0	16	3	31	2	4	7	90	2	12	0	4	3	32	5	11	69
Key West	0	5	6	20	9	3	4	9	4	60									
Knox Hill	6	11	3	6	5	30	14	7	5	87	3	11	5	4	1	17	17	3	61
Warrington	2	17	2	7	8	29	3	18	4	90	3	15	1	4	2	25	5	30	85
ALABAMA—																			
Tuscaloosa	1	8	1	6	8	1	1	6	30	62									
MISSISSIPPI—																			
Garlandville	8	9	7	18	4	11	24	8	1	90	5	8	7	11	2	8	21	8	70
Lake Washington	0	2	1	2	2	1	5	2	0	15	3	1	3	4	3	5	19	7	45
LOUISIANA—																			
New Orleans	6	10	16	5	12	0	5	0	7	61	1	1	1	0	3	4	12	4	26
TEXAS—																			
Austin	5	7	7	16	41	3	0	4	6	89	7	7	6	15	33	15	5	6	94
New Wied	17	10	5	29	10	0	0	1	18	90	3	0	0	7	3	0	0	8	21
TENNESSEE—																			
Glenwood	2	8	2	5	11	10	8	7	37	90	2	9	1	1	3	9	24	13	62
Knoxville	12	12	5	2	7	7	17	13	0	75									
Memphis	4	21	5	7	2	21	7	12	11	90	3	14	4	2	1	22	2	7	55
KENTUCKY—																			
Ballardsville	19	3	0	3	5	11	37	12	0	90	2	0	1	3	0	12	7	2	27
Danville	6	14	5	4	4	35	11	6	0	85	0	2	0	0	3	19	22	3	49

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—Continued.																			
Millersburg	2	2	10	4	3	6	30	4	23	84									
Springdale	7	7	3	2	3	12	10	7	39	90									
OHIO—																			
College Hill	0	6	2	0	0	14	5	0	18	45	0	0	0	1	0	1	0	0	2
Germantown	2	10	1	9	2	58	2	3	0	87	1	0	0	7	1	38	4	6	57
Granville	1	5	1	0	0	23	10	2	30	72	0	3	1	0	0	10	4	2	20
Hillsborough	1	12	0	9	1	26	3	8	0	60	1	0	0	0	1	8	3	18	31
Huron	3	13	0	3	12	23	13	6	16	89	2	1	1	1	3	23	15	9	55
Jackson	4	4	18	2	7	9	11	3	23	81	3	0	1	0	6	9	21	12	52
Marietta	4	0	1	0	4	3	14	1	54	81	3	0	0	0	1	17	8	2	31
Oberlin	15	10	2	3	6	19	20	5	9	89	0	0	0	0	0	19	41	7	67
Perrysburg	6	15	3	3	11	17	25	0	10	90									
Savannah	0	0	0	0	0	20	62	8	0	90	0	0	0	0	0	18	41	7	66
Yankeetown	2	16	24	8	0	0	0	3	28	81									
MICHIGAN—																			
Ann Arbor, [Winchell]	10	2	10	3	8	19	10	9	19	90	10	2	4	0	3	21	14	16	70
Ann Arbor, [Woodruff]	6	5	4	11	3	13	17	7	14	80	3	4	1	1	3	9	19	20	60
Battle Creek	0	3	5	8	9	15	22	6	22	90	1	4	1	0	0	16	26	17	65
Cooper	1	1	21	4	2	1	51	6	2	89	0	0	12	0	1	3	41	5	62
Detroit	2	14	11	6	6	32	16	3	0	90									
Flint	15	0	0	2	23	3	10	10	0	63									
Grand Rapids	0	9	3	5	0	22	11	3	37	90	0	3	1	0	0	8	5	5	22
Monroe, [Whelpley]	0	8	11	10	0	20	0	38	0	87	0	5	8	5	0	15	0	36	69
INDIANA—																			
Kendallville	1	3	7	3	10	13	16	10	0	63	0	1	1	0	2	4	14	6	28
La Fayette	2	7	0	10	3	17	29	10	12	90	2	0	0	2	3	22	33	13	75
Milton	1	9	0	0	1	16	7	4	52	90	0	0	0	0	0	11	3	5	19
New Harmony	5	0	0	7	20	8	4	8	1	53	0	0	0	0	0	1	0	0	1
Richmond	4	5	1	16	3	19	6	7	23	84	2	3	0	3	3	8	14	7	40
ILLINOIS—																			
Athens	0	9	0	26	0	19	2	21	0	77	0	3	0	7	0	12	26	24	72
Augusta	4	3	13	10	8	18	21	4	9	90	2	1	3	6	6	7	17	2	44
Batavia	7	6	0	3	12	25	12	8	17	90									
Ottawa	5	13	6	15	6	24	1	13	7	90	5	3	1	2	6	14	6	10	47
Upper Alton	7	8	1	7	3	40	5	23	0	94									
MISSOURI—																			
Hannibal	4	0	23	1	17	15	13	8	11	92	2	1	1	2	10	15	16	9	56
St. Louis	6	11	9	21	13	16	14	6	0	90									
WISCONSIN—																			
Bellefontaine	13	5	5	24	10	15	13	4	1	90	6	3	8	2	4	3	36	2	64
Beloit	6	6	17	16	4	24	13	4	0	90	1	1	0	3	1	1	1	0	8
Janesville	3	10	4	17	15	10	7	5	19	90									
Madison	2	6	0	36	7	17	4	17	0	89									
Milwaukie	1	15	8	29	0	15	6	4	12	90	0	0	0	0	0	1	0	0	1
Platteville	10	3	15	21	3	14	17	7	0	90	6	2	2	7	0	13	22	9	61
IOWA—																			
Dubuque	5	11	3	7	12	14	3	13	22	90	1	5	0	1	4	4	13	8	36
Fort Madison	10	11	7	14	9	12	8	20	0	91	10	2	4	5	4	12	18	9	64
Muscatine	1	12	0	34	3	27	13	0	0	90	1	2	5	4	12	18	10	1	53
Pella	9	1	3	4	52	7	12	2	0	90									
Poultney	5	3	5	9	5	14	7	5	20	73	4	2	2	2	6	5	11	2	34
Quasqueton	2	14	13	12	7	18	9	10	0	85	0	0	1	3	6	7	16	2	35
MINNESOTA—																			
St. Anthony's Falls	9	2	0	8	32	10	19	10	0	90	9	1	1	8	14	15	20	2	70
St. Joseph's	10	2	8	1	36	1	12	0	20	90									
NEBRASKA—																			
Fort Pierre	0	4	4	31	3	1	0	10	1	54	0	5	4	26	4	1	2	10	52
Fort Union	0	1	10	4	3	0	7	2	3	30									
CALIFORNIA—																			
Sacramento, [Logan]	1	3	3	11	30	23	1	18	0	90									
Sacramento, [Hatch]	0	0	0	71	14	21	1	13	0	120									
Stockton	0	0	0	2	0	74	36	68	0	180									
SOUTH AMERICA—																			
Assumption	11	12	46	8	5	1	3	3	0	89	4	3	13	6	0	1	0	0	27
EASTERN CONTINENT—																			
Mosul, Mesopotamia	3	1	0	0	0	2	3	3	0	12									

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	16	4	0	5	22	25	11	10	1	94									
CANADA EAST—																			
St. Martin's	1	8	4	6	3	45	8	18	0	93									
MAINE—																			
Carmel	0	1	0	6	1	23	0	11	23	65	0	0	0	5	0	18	0	9	32
Fryeburg	4	5	4	10	8	29	10	7	0	77	1	0	3	2	1	8	22	20	57
Perry	10	3	3	16	4	38	6	13	0	93									
Steuben	7	3	0	3	2	47	2	24	5	93	8	4	0	0	0	21	22	11	66
NEW HAMPSHIRE—																			
Concord	6	7	0	29	0	22	0	29	0	93									
Exeter	2	14	12	13	10	17	12	12	0	92	2	8	8	5	2	10	4	12	51
Hanover	11	3	0	9	25	12	4	29	0	93	4	0	0	0	2	5	4	2	17
Londonderry	3	7	2	8	3	13	6	20	31	93	0	1	3	2	2	12	6	3	29
Manchester	7	3	11	9	21	13	16	13	0	93	0	5	3	3	2	10	39	4	66
Salmon Falls	2	4	3	11	10	30	5	10	18	93	15	6	1	4	2	9	9	13	59
VERMONT—																			
Brandon	16	0	1	2	40	5	9	11	7	91	3	0	0	0	0	6	19	10	38
Burlington	26	0	2	1	47	3	8	6	0	93	0	0	0	0	0	1	3	1	5
Castleton	30	0	0	0	34	3	0	2	24	93	3	0	0	0	0	0	0	5	8
Craftsbury	7	0	0	5	31	0	20	9	0	72	7	0	2	2	13	0	22	7	53
St. Johnsbury	1	1	0	0	0	43	9	39	0	93	0	0	0	0	0	18	4	5	27
MASSACHUSETTS—																			
Amherst	4	4	0	25	11	13	6	25	0	88	2	2	1	2	4	12	5	13	41
Mendon	0	6	6	5	0	64	2	10	0	93	0	4	6	5	0	65	2	11	93
Nantucket	2	20	1	9	4	32	1	6	18	93									
New Bedford	5	17	3	6	3	40	4	15	0	93	5	3	0	1	1	7	5	18	40
Newburyport	8	5	9	11	22	10	12	9	0	86	0	0	0	0	1	2	0	0	3
North Attleboro'	9	5	2	1	12	3	7	4	0	43	12	4	0	4	7	0	0	11	38
Princeton	4	18	1	3	2	16	18	15	1	78	2	8	1	2	0	12	20	12	57
Richmond	0	4	0	4	5	51	0	25	4	93	7	3	1	7	7	28	8	14	75
Southwick	4	6	0	5	11	3	7	4	9	49	1	4	0	0	5	11	11	2	34
Springfield	10	5	1	3	16	20	0	8	30	93	10	4	0	1	5	14	1	13	48
Taunton	0	12	8	10	3	16	24	15	5	93	0	11	6	10	1	17	19	12	76
Worcester	1	8	1	13	2	32	1	32	0	90									
CONNECTICUT—																			
New London	8	8	0	5	15	36	1	20	0	93									
Pomfret	6	18	1	6	15	28	2	17	0	93	4	7	0	1	6	22	11	8	59
Saybrook	12	9	8	10	12	14	12	5	5	87	5	6	4	3	9	10	6	6	49
West Cornwall	1	7	5	16	4	25	10	25	0	93									
NEW YORK—																			
Angelica	1	7	1	4	1	15	21	43	0	93	2	5	0	0	1	11	23	4	46
Baldwinsville	0	3	3	0	1	4	25	39	0	75	0	0	0	0	0	1	30	15	46
Beaver Brook	12	2	7	14	7	19	7	30	7	105									
Beverly	14	9	0	15	9	26	1	16	3	93	1	10	1	15	5	16	7	13	68
Buffalo, [Salisbury]	9	6	0	0	5	21	3	1	10	55	0	1	0	1	1	3	1	4	11
Buffalo, [Hunt]											0	4	3	2	0	0	1	1	11
Canton	5	5	1	1	1	32	0	3	4	52	0	1	0	1	0	28	2	2	34
Fishkill	6	3	0	3	6	42	6	6	21	93									
Gouverneur	6	1	1	0	2	52	12	19	0	93	2	2	0	0	0	7	66	2	79
Le Roy	17	4	0	0	1	2	5	2	0	31									
Lodi	12	2	5	8	8	22	10	18	5	90	5	4	2	1	5	8	25	11	61
Madrid	2	8	0	0	0	36	13	2	28	89	2	3	0	0	0	29	26	2	62
New York city	6	40	8	14	29	45	25	19	0	186									
New York city, [Deaf and Dumb Institution]	5	11	8	19	7	9	16	18	0	93	2	5	11	6	3	13	31	8	79
Penn Yan	7	25	0	1	23	10	17	10	0	93									
Sag Harbor	8	18	9	7	11	24	3	10	3	93	3	12	4	1	1	41	5	19	86
Spencertown	7	4	0	8	7	27	6	12	8	79	10	3	0	8	3	15	12	16	67
Troy	15	0	10	6	31	3	10	8	10	93									
Wampsville	0	2	3	7	26	13	30	9	3	93	0	2	4	7	25	11	28	9	89
NEW JERSEY—																			
Bloomfield	5	11	3	17	14	21	8	11	0	93									

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Burlington	16	13	0	9	0	33	4	3	24	93	6	12	0	0	0	3	0	0	21
Lambertville	6	21	1	10	4	21	0	22	0	85									
PENNSYLVANIA—																			
Bedford	4	1	12	6	0	18	11	26	0	78	0	0	0	3	0	17	13	22	55
Freeport	16	15	9	8	20	6	11	8	0	93									
Gettysburg	5	8	0	4	16	22	6	12	20	93	6	8	1	1	8	7	21	24	76
Harrisburg	2	1	1	16	14	2	31	20	0	87	2	0	1	7	6	4	13	11	44
Lima	12	21	3	12	6	8	2	8	21	93	12	8	3	4	6	12	10	17	72
Morrisville	5	17	3	6	4	23	7	9	19	93	7	7	0	0	2	15	14	15	60
Moss Grove	2	1	2	0	0	4	23	5	3	40	0	0	0	0	0	0	41	4	45
Norristown	0	6	3	9	2	14	39	7	0	80	1	5	6	4	4	6	31	3	60
Philadelphia	10	15	11	6	8	23	3	17	0	93	1	3	2	2	6	9	5	5	33
Pittsburg	4	1	19	2	1	4	41	8	44	124									
Pocopson	8	10	2	3	4	23	13	11	0	74	1	5	0	0	3	4	3	1	17
Randolph	1	0	4	10	12	10	5	16	35	93	2	0	0	0	0	6	21	19	48
Warrior's Mark	1	12	15	3	3	4	12	1	25	76									
West Haverford	7	14	4	1	1	15	4	9	0	55	2	6	3	1	1	7	12	12	44
MARYLAND—																			
Frederick	1	20	2	5	12	10	14	8	5	89	5	3	3	0	9	8	30	9	67
Schellman Hall	22	2	1	4	2	28	16	18	0	93	5	3	2	2	8	3	47	5	75
DISTRICT OF COLUMBIA—																			
Washington	7	12	2	2	9	12	0	3	2	49	4	6	3	5	1	4	11	2	36
VIRGINIA—																			
Alexandria	11	25	4	8	21	16	4	4	0	93									
Ashland	16	7	1	3	39	15	7	5	0	93	0	0	0	0	0	0	3	2	5
Crichton's Store	26	10	2	7	29	16	1	0	2	93	16	12	3	3	13	34	13	4	98
Lewisburg											3	0	0	0	2	0	21	0	26
Montcalm	5	4	2	1	7	8	9	0	0	36	0	2	0	0	5	7	9	0	23
NORTH CAROLINA—																			
Chapel Hill	18	11	9	2	13	18	19	3	0	93	9	13	6	2	6	18	7	4	65
Thornbury	3	17	6	2	16	15	0	0	11	70	3	12	3	1	9	10	7	0	45
SOUTH CAROLINA—																			
Camden	8	21	5	12	18	17	2	2	8	93	2	20	1	3	2	13	7	4	52
St. John's	0	0	3	22	4	4	7	22	0	62									
GEORGIA—																			
Augusta	2	12	7	7	9	26	16	2	0	81	1	12	13	19	8	4	1	0	58
Richmond Hill	25	7	18	10	15	1	3	9	0	88									
Savannah	11	2	7	17	35	9	6	6	0	93	0	1	0	0	3	0	0	1	5
Sparta	1	33	1	12	4	21	6	13	0	91	0	13	0	3	2	10	0	4	32
Whitemarsh Island	4	5	1	4	28	11	5	7	19	84	3	9	2	4	0	3	5	9	35
FLORIDA—																			
Cedar Keys	2	2	28	12	5	11	24	2	7	93	0	14	31	13	4	2	15	1	83
Jacksonville	1	14	3	30	2	33	1	7	2	93	1	11	2	16	0	18	2	5	55
Key West	4	10	23	24	1	0	0	0	0	62									
Knox Hill	2	16	12	20	12	21	9	0	0	92	1	11	14	17	10	14	1	0	68
Warrington	5	9	2	20	29	10	2	13	3	93	7	12	1	37	8	7	4	5	81
ALABAMA—																			
Tuscaloosa	5	10	2	3	12	1	6	4	47	90									
MISSISSIPPI—																			
Garlandsville	4	16	11	31	3	16	4	5	0	93	3	16	8	24	4	11	3	5	74
Lake Washington	0	3	3	3	0	0	3	2	0	14	2	2	8	13	9	7	3	6	50
Vicksburg	2	1	21	1	46	1	21	0	0	93									
LOUISIANA—																			
New Orleans	14	6	6	19	31	2	1	1	12	92	4	6	20	1	4	2	6	0	43
TEXAS—																			
Austin	13	12	4	20	29	1	3	4	7	93	12	14	4	26	24	8	0	0	88
New Wied	11	6	21	24	3	1	3	3	21	93	4	1	9	4	3	0	9	12	37
TENNESSEE—																			
Glenwood	2	8	4	4	13	9	9	4	34	87	1	7	17	2	4	12	16	2	61
Knoxville	26	5	8	2	7	4	15	10	0	77									
Memphis	3	11	2	18	1	34	3	10	11	93	0	8	1	16	3	23	3	9	63
KENTUCKY—																			
Ballardsville	32	1	3	0	6	23	17	10	0	92	0	1	0	0	1	6	6	2	16
Springdale	2	11	0	0	7	11	8	2	51	92									

No. 41.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
College Hill	0	6	6	4	5	6	27	6	15	75									
Germantown	5	12	2	17	7	33	0	12	0	88	2	3	0	15	2	27	0	9	58
Hillsborough	0	14	0	4	1	33	1	8	0	61	4	0	0	0	1	15	1	2	23
Jackson	12	2	9	3	3	3	14	11	34	91	3	1	0	0	2	0	12	6	24
Marietta	5	0	0	0	5	1	9	3	48	71	0	0	0	0	0	7	3	3	13
Oberlin	23	3	2	4	13	12	13	2	17	89	5	0	1	0	0	1	57	3	67
Perrysburg	3	6	8	13	19	4	40	0	0	93									
Savannah	0	0	0	0	0	12	63	0	10	85	0	0	0	0	0	11	40	0	51
Zanesville	12	11	3	5	8	18	8	9	5	79	0	0	0	1	0	0	0	0	1
MICHIGAN—																			
Ann Arbor, [Winchell]	4	7	7	15	11	21	9	11	8	93	1	0	2	1	1	29	22	10	66
Ann Arbor, [Woodruff]	3	7	8	13	4	23	7	6	19	90	4	2	1	1	1	7	34	13	63
Battle Creek	2	7	4	5	28	16	10	4	17	93	0	2	1	0	0	20	37	7	67
Cooper	1	0	19	2	1	2	42	5	21	93	0	5	36	3	0	0	12	0	56
Detroit	2	10	9	7	28	19	4	0	0	79									
Flint	10	5	0	0	28	13	4	1	0	61									
Grand Rapids	0	12	6	11	1	28	8	8	19	93	0	0	0	0	0	4	7	0	11
Monroe, [Whelpley]	0	9	0	19	1	13	0	55	0	97	3	9	0	12	0	12	2	57	95
St. James	8	1	4	13	2	44	1	15	4	92	2	1	0	0	0	35	8	7	53
INDIANA—																			
Kendallville	2	4	7	5	9	36	14	16	0	93	3	0	0	1	3	2	17	5	31
Logansport	0	7	3	1	0	7	30	2	37	87	0	5	5	1	0	5	37	1	54
Milton	4	19	0	1	2	11	3	6	47	93	0	1	0	0	0	5	3	1	10
New Harmony	9	1	4	3	11	2	13	3	0	46									
Richmond	4	7	7	18	7	13	6	3	13	78	1	1	0	0	1	5	25	9	42
ILLINOIS—																			
Athens	0	13	0	22	4	30	2	9	0	80	1	4	0	0	0	26	22	28	81
Augusta	2	1	11	9	18	13	18	12	9	93	0	0	1	4	6	6	15	2	34
Batavia	1	4	2	1	8	26	19	6	10	77									
Manchester	11	14	6	21	18	6	5	11	1	93	2	2	1	3	9	12	13	7	49
Ottawa	3	13	2	12	7	40	2	12	2	93	2	2	0	2	0	32	10	2	50
Upper Alton	6	8	0	12	25	34	11	15	0	111									
MISSOURI—																			
Hannibal	12	2	8	3	24	10	6	3	19	87	14	1	0	0	7	13	1	9	45
St. Louis	1	11	3	34	14	12	4	14	0	93									
WISCONSIN—																			
Bellefontaine	2	1	2	20	6	37	20	5	0	93	2	0	2	5	1	16	49	7	82
Beloit	7	7	6	2	19	27	18	7	0	93	0	6	0	0	11	10	13	2	42
Ceresco	3	6	3	2	8	23	14	3	9	71	2	3	1	2	2	17	14	8	49
Janesville	2	8	1	10	16	23	6	10	17	93									
Milwaukie	0	12	2	13	2	29	14	8	13	93									
Platteville	3	2	2	21	14	13	0	8	0	63	0	2	1	5	1	10	13	12	44
IOWA—																			
Dubuque	7	7	3	4	11	22	10	4	21	89	5	4	2	1	1	5	6	23	47
Fort Madison	2	10	2	21	17	25	2	14	0	93	4	1	1	4	4	21	22	7	64
Muscatine	7	5	2	16	15	26	12	10	0	93	0	4	0	3	2	20	14	6	49
Pella	10	1	2	5	60	2	5	8	0	93									
Poultney	6	7	2	9	9	22	7	7	18	86	1	5	0	3	4	21	25	5	64
Quasqueton	1	11	2	14	15	23	7	9	1	83	0	4	0	0	1	18	10	5	38
MINNESOTA—																			
St. Anthony's Falls	3	0	0	7	48	9	14	12	0	93	0	0	0	1	5	20	62	5	93
St. Joseph's	4	2	6	1	29	0	18	9	13	82									
Lac qui Parle	9	0	3	12	19	5	7	24	2	81	6	0	2	3	3	7	18	3	42
CALIFORNIA—																			
Sacramento, [Logan]	8	1	0	0	15	23	31	12	0	93									
Sacramento, [Hatch]	0	0	0	74	26	8	15	1	0	124									
Stockton	2	0	0	0	0	18	16	150	0	186									
CENTRAL AMERICA—																			
Truxillo, Honduras	0	4	2	4	0	0	0	0	6	16									
SOUTH AMERICA—																			
Assumption, Paraguay	7	10	36	16	14	3	5	0	0	91	2	5	12	1	3	2	1	0	26
EASTERN CONTINENT—																			
Mosul, Mesopotamia	1	4	1	1	0	0	2	6	0	15									

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	2	0	0	2	5	9	6	4	0	28	----	----	----	----	----	----	----	----	----
CANADA EAST—																			
St. Martin's	2	22	1	2	2	21	8	35	0	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	0	0	5	4	17	5	12	15	58	0	0	0	3	3	12	4	7	29
Fryeburg	2	7	5	6	3	40	17	9	0	89	0	0	0	0	0	10	14	21	45
Perry	4	2	0	9	3	40	10	25	0	93	2	1	0	0	1	14	16	9	43
Steuben	5	14	1	5	1	40	11	11	5	93	4	10	0	3	0	25	14	10	66
NEW HAMPSHIRE—																			
Concord	5	5	5	16	3	40	1	17	0	92	----	----	----	----	----	----	----	----	----
Exeter	6	8	6	6	3	26	16	8	5	84	2	5	1	6	8	22	9	6	59
Great Falls	2	13	1	4	1	31	3	20	0	75	0	0	0	1	0	16	1	7	25
Hanover	15	6	1	14	10	18	13	16	0	93	1	0	0	1	0	5	6	8	21
Londonderry	1	5	1	7	5	8	11	28	22	93	0	2	0	0	0	0	17	8	27
Manchester	8	2	11	9	12	22	9	20	0	93	0	1	4	0	2	5	43	4	59
Salmon Falls	2	8	4	13	9	25	12	17	3	93	3	2	0	4	1	6	13	17	46
VERMONT—																			
Brandon	16	0	1	2	38	2	8	9	10	86	2	0	0	0	0	0	11	14	27
Burlington	27	8	1	3	38	0	14	1	1	93	2	1	0	0	1	0	4	0	8
Castleton	20	0	0	0	28	11	0	4	30	93	3	0	0	0	2	13	0	3	21
Craftsbury	2	8	2	5	20	16	19	6	0	78	4	1	0	1	6	0	27	5	44
St. Johnsbury	1	0	0	0	1	27	4	58	0	91	0	0	0	0	0	5	6	5	16
MASSACHUSETTS—																			
Amherst	5	1	0	30	6	11	4	25	0	82	0	3	1	1	4	6	7	5	27
Mendon	0	10	10	0	0	53	6	14	0	93	0	11	9	0	0	52	6	15	93
Nantucket	6	23	0	5	16	24	3	6	10	93	----	----	----	----	----	----	----	----	----
New Bedford	4	16	3	7	6	38	2	16	1	93	2	1	0	3	2	8	6	14	36
Newburyport	0	6	8	7	15	17	29	10	0	84	0	0	0	0	0	0	1	0	1
North Attleboro'	2	4	6	0	2	0	0	2	0	17	6	4	0	0	0	0	4	1	15
Princeton	2	15	9	4	0	11	27	17	0	85	0	3	3	1	0	4	19	11	41
Richmond	0	4	0	8	4	36	0	22	0	74	4	3	0	1	4	22	3	11	48
Southwick	3	2	1	0	8	6	1	7	11	39	0	2	0	0	0	6	4	1	13
Springfield	7	11	1	1	6	15	1	15	36	93	6	2	1	0	3	6	2	15	35
Taunton	11	10	0	16	7	16	14	19	0	93	4	9	3	9	4	10	8	12	59
Worcester	0	5	1	10	0	38	0	40	0	94	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Pomfret	6	15	2	5	12	28	8	17	0	93	0	8	1	5	5	20	5	9	53
Saybrook	12	6	6	3	12	19	12	4	2	76	3	3	2	0	2	5	9	9	33
West Cornwall	5	6	6	9	7	17	18	25	0	93	--	----	----	----	----	----	----	----	----
NEW YORK—																			
Angelica	2	7	5	7	8	15	17	32	0	93	0	1	0	4	0	15	24	12	56
Baldwinsville	7	0	2	1	6	16	18	37	0	87	0	0	1	0	0	3	17	18	39
Beaver Brook	10	0	4	8	14	11	9	33	4	93	----	----	----	----	----	----	----	----	----
Beverly	3	6	0	17	14	31	1	20	1	93	0	1	0	12	5	23	18	5	64
Buffalo, [Salisbury]	5	17	1	1	2	24	6	12	10	78	2	0	1	0	1	6	16	7	33
Canton	2	16	0	2	2	45	5	15	3	90	1	6	0	1	0	33	4	7	52
Fishkill	0	6	0	0	3	36	3	3	39	90	----	----	----	----	----	----	----	----	----
Gouverneur	19	2	0	0	9	31	7	25	0	93	8	1	0	0	1	1	39	2	52
Lodi	3	1	0	19	10	4	14	24	12	93	2	0	0	0	1	6	12	24	45
New York city	6	37	9	20	30	47	15	22	0	186	----	----	----	----	----	----	----	----	----
New York city, [Deaf and Dumb Institution]	9	22	6	14	3	5	19	15	0	93	1	0	15	3	0	3	29	7	58
Penn Yan	6	9	2	0	25	12	24	15	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	5	19	3	11	11	28	5	11	0	93	2	12	2	2	1	35	9	12	75
Smithville	2	11	3	0	19	13	36	9	0	93	7	1	0	0	9	6	44	10	77
Spencertown	18	5	1	9	7	16	12	23	0	91	5	5	0	7	3	12	10	23	65
Troy	6	4	1	13	22	13	10	13	8	90	----	----	----	----	----	----	----	----	----
Wampsville	1	1	2	8	22	9	38	12	0	93	1	1	1	8	17	7	35	7	77
NEW JERSEY—																			
Bloomfield	2	13	3	24	16	15	18	2	0	93	----	----	----	----	----	----	----	----	----
Burlington	12	17	4	1	2	22	9	6	20	93	1	4	1	0	0	1	0	1	8
Lambertville	3	12	4	7	4	20	1	23	0	74	----	----	----	----	----	----	----	----	----

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	2	0	3	19	1	12	8	35	0	80	0	0	0	12	0	13	12	20	57
Byberry	6	20	2	9	8	7	20	12	5	89	1	13	0	3	3	10	42	20	92
Freeport	15	18	4	2	28	10	6	10	0	93	3	0	0	0	1	2	3	2	11
Gettysburg	12	10	9	0	14	14	9	13	12	93	1	1	2	1	2	6	20	21	54
Harrisburg	2	0	13	19	7	4	13	31	0	89	0	0	3	9	2	0	10	13	37
Lima	3	16	5	6	5	7	5	14	32	93	4	2	8	3	1	4	22	17	61
Morrisville	11	9	3	4	1	24	6	18	17	93	5	1	2	2	0	13	21	11	55
Moss Grove	1	0	4	3	7	6	19	3	15	58	0	0	0	0	0	1	48	4	53
Norristown	0	3	4	19	2	16	32	2	2	80	0	2	8	4	0	8	31	0	53
Philadelphia	8	25	1	5	6	26	15	7	0	93	4	1	0	0	0	6	10	4	25
Pocopson	0	9	1	2	3	12	15	19	0	61	1	0	0	1	0	1	3	5	11
West Haverford	1	4	10	0	2	8	7	20	11	63	3	3	6	0	2	3	9	14	40
MARYLAND—																			
Frederick	5	7	4	10	11	21	10	9	14	91	5	2	1	6	1	4	26	9	54
Schellman Hall	5	2	2	7	2	30	39	6	0	93	2	5	4	5	0	6	48	1	71
VIRGINIA—																			
Alexandria	6	17	0	19	12	10	4	16	0	84	3	0	0	0	3	0	3	0	9
Ashland	18	5	5	4	27	21	7	6	0	93	2	0	0	0	0	2	4	3	11
Crichton's Store	16	19	0	2	13	34	0	7	2	93	6	14	0	4	4	50	3	10	91
Lewisburg	0	0	0	0	0	0	2	0	0	2	2	0	0	0	2	1	21	0	26
New Creek Depot	1	2	19	13	1	1	23	11	0	71	0	1	1	2	2	10	18	7	41
NORTH CAROLINA—																			
Chapel Hill	15	16	2	0	10	14	29	7	0	93	1	12	1	0	7	19	12	6	58
SOUTH CAROLINA—																			
Camden	1	17	7	17	11	19	6	2	13	93	1	9	5	6	0	10	1	10	42
St. John's	0	6	2	24	2	3	14	11	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	2	5	1	1	0	10	17	1	0	37	0	1	4	12	7	0	0	0	24
Savannah	9	5	5	20	31	13	6	4	0	93	2	2	0	0	0	0	2	1	7
Sparta	5	30	7	8	2	18	6	10	0	86	0	8	0	3	1	9	2	15	38
The Rock	3	8	1	0	0	1	0	14	0	27	----	----	----	----	----	----	----	----	----
Whitemarsh Island	4	10	3	8	20	16	10	2	13	86	2	9	3	5	4	5	3	15	46
FLORIDA—																			
Cedar Keys	4	10	22	9	5	17	10	8	7	92	5	19	21	10	6	7	1	2	71
Jacksonville	0	37	3	7	0	32	2	5	7	93	1	19	10	8	0	18	3	13	72
Key West	3	13	28	16	0	1	0	0	1	62	----	----	----	----	----	----	----	----	----
Knox Hill	2	7	4	5	3	11	3	4	0	39	1	4	4	4	0	6	3	2	24
Warrington	5	6	0	24	12	24	1	18	1	91	5	12	0	19	10	16	2	29	93
ALABAMA—																			
Tuscaloosa	2	6	3	19	7	5	0	2	43	87	----	----	----	----	----	----	----	----	----
MISSISSIPPI—																			
Garlandsville	5	30	8	5	0	13	13	19	0	93	3	17	5	5	0	11	10	10	61
Lake Washington	2	2	0	0	1	0	0	4	0	9	1	3	4	6	2	2	0	5	23
LOUISIANA—																			
New Orleans	11	3	10	15	26	5	7	3	13	93	7	5	14	4	2	4	4	1	41
TEXAS—																			
Austin	2	15	6	20	41	3	1	1	4	93	0	11	4	22	13	6	2	2	60
New Wied	5	7	14	28	13	1	2	2	21	93	3	1	8	0	4	3	3	6	28
TENNESSEE—																			
Glenwood	7	12	9	8	10	12	7	4	24	93	8	4	9	2	2	5	21	10	61
Knoxville	23	11	10	0	12	4	18	8	0	90	----	----	----	----	----	----	----	----	----
Memphis	6	11	3	13	0	29	2	11	18	93	1	10	8	5	0	20	3	10	57
KENTUCKY—																			
Ballardsville	2	0	0	0	0	10	17	64	0	93	2	1	0	6	1	0	3	1	8
Springdale	2	11	6	1	4	16	4	2	47	93	3	2	0	0	2	2	1	0	10
OHIO—																			
College Hill	2	1	6	0	3	4	18	1	23	63	2	0	0	0	2	2	3	0	9
Germantown	7	18	0	3	3	29	3	24	0	87	2	11	0	5	0	29	1	23	71
Hillsborough	1	5	0	5	0	12	0	10	0	33	0	1	0	0	0	7	1	5	14
Jackson	16	2	21	2	7	2	9	8	22	90	2	0	1	0	1	1	34	7	46
Marietta	0	0	1	0	3	2	5	4	58	73	0	0	0	0	2	7	12	1	22
Oberlin	16	7	1	3	7	12	11	13	15	85	4	0	0	1	1	1	45	5	57
Perrysburg	6	3	2	16	12	1	45	0	2	87	----	----	----	----	----	----	----	----	----
Savannah	1	0	0	0	0	4	50	17	7	79	0	0	0	0	0	4	33	11	48

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Yankeetown	1	4	19	13	5	0	1	1	18	62	----	----	----	----	----	----	----	----	----
Zanesville	11	7	1	4	3	37	4	14	13	94	5	2	0	0	2	1	1	0	11
Michigan—																			
Ann Arbor, [Winchell]	3	8	2	4	4	32	10	18	12	93	0	3	0	0	2	5	18	11	39
Ann Arbor, [Woodruff]	7	9	7	17	2	14	3	16	17	92	2	2	1	0	0	3	23	30	61
Battle Creek	8	5	9	5	12	17	12	5	9	92	4	1	1	0	1	12	36	11	66
Cooper	0	0	9	0	0	1	54	3	26	93	0	0	6	1	0	2	36	2	47
Detroit	2	12	9	10	11	26	11	7	0	88	----	----	----	----	----	----	----	----	----
Flint	15	4	0	0	14	4	10	10	0	57	----	----	----	----	----	----	----	----	----
Grand Rapids	1	16	7	5	1	19	9	10	25	93	0	0	0	0	0	4	8	6	18
Monroe, [Whelpley]	0	6	5	2	0	0	1	79	0	93	1	5	5	1	0	0	3	72	87
St. James	8	3	7	7	1	27	8	27	4	92	0	0	0	0	0	8	12	23	43
Indiana—																			
Kendallville	2	5	4	5	15	25	28	9	0	93	1	3	1	0	1	2	11	3	22
Logansport	0	5	2	0	0	3	33	0	50	93	0	3	0	0	0	5	55	2	65
Milton	2	21	0	6	0	7	1	7	49	93	0	1	0	0	0	1	5	3	10
New Harmony	4	1	6	2	4	1	13	2	0	33	2	1	0	0	3	0	5	1	12
Richmond	2	10	4	9	2	12	12	9	27	87	0	3	0	0	0	6	21	14	44
Illinois—																			
Athens	4	9	0	17	0	16	0	16	0	62	2	2	0	2	0	12	19	16	53
Augusta	1	8	15	18	8	21	9	3	0	83	1	2	2	1	0	7	15	1	29
Batavia	0	0	0	2	0	0	6	3	6	17	1	0	0	1	1	0	4	6	13
Manchester	7	28	12	18	11	7	4	6	0	93	4	1	2	4	1	12	13	12	49
Ottawa	5	18	2	9	2	30	4	12	11	93	4	3	1	0	0	18	5	13	44
Upper Alton	5	8	0	10	7	30	3	6	0	69	----	----	----	----	----	----	----	----	----
Missouri—																			
Hannibal	8	4	16	4	22	11	8	2	16	91	2	5	3	1	10	6	10	5	42
St Louis	12	11	16	20	7	12	7	8	0	93	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Bellefontaine	1	7	10	20	7	24	16	6	2	91	0	1	6	0	1	12	43	11	74
Beloit	7	11	9	7	16	19	11	13	0	93	5	6	3	3	3	9	26	5	60
Ceresco	1	13	0	6	6	25	14	11	14	90	1	2	1	1	1	13	4	3	26
Janesville	5	9	3	10	10	20	1	8	27	93	----	----	----	----	----	----	----	----	----
Milwaukie	1	18	2	13	3	26	12	9	9	93	0	0	0	0	2	0	0	3	5
Platteville	7	6	11	12	9	28	9	11	0	93	1	6	3	5	7	14	15	12	63
Iowa—																			
Dubuque	12	10	3	4	10	14	11	6	22	92	9	2	0	0	0	9	6	23	49
Fort Madison	16	13	8	28	6	11	0	11	0	93	5	0	0	2	0	5	33	5	50
Muscatine	0	11	0	33	0	34	6	9	0	93	0	2	0	3	1	26	8	8	48
Pella	6	4	2	10	54	4	6	7	0	93	----	----	----	----	----	----	----	----	----
Poultney	4	3	9	19	9	14	7	9	24	89	3	0	0	1	1	5	20	7	37
Quasqueton	1	15	10	8	17	13	8	9	1	82	3	2	0	0	1	8	5	10	29
Minnesota—																			
St. Anthony's Falls	4	2	0	4	51	1	15	16	0	93	0	1	1	8	4	9	49	7	79
St. Joseph's	5	0	7	1	33	0	23	4	13	86	4	0	0	1	3	6	3	2	19
Lac qui Parle	5	2	4	32	20	0	2	25	0	90	2	1	1	5	4	3	6	5	27
California—																			
Sacramento, [Logan]	2	0	1	32	24	24	3	7	0	93	----	----	----	----	----	----	----	----	----
Sacramento, [Hatch]	0	0	0	71	36	9	6	2	0	124	----	----	----	----	----	----	----	----	----
Stockton	2	0	0	0	0	27	9	148	0	186	----	----	----	----	----	----	----	----	----
Central America—																			
Truxillo, Honduras	0	2	13	1	1	1	4	0	0	25	5	4	0	0	7	0	0	0	16
South America—																			
Assumption, Paraguay	9	15	19	21	10	2	7	3	7	93	3	6	3	2	3	1	3	2	23
Eastern Continent—																			
Mosul, Mesopotamia	6	4	1	1	2	4	2	12	0	32	----	----	----	----	----	----	----	----	----

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	24	3	0	3	7	19	7	10	0	73									
CANADA EAST—																			
St. Martin's	5	26	0	2	1	16	11	29	0	90									
MAINE—																			
Carmel	0	6	0	5	3	28	6	26	0	74	0	0	0	3	3	11	3	10	30
Fryeburg	9	11	2	1	2	33	10	19	0	87	1	1	1	0	2	9	14	22	50
Perry	6	1	0	6	11	30	12	24	0	90	1	2	0	2	10	28	6	13	62
Steuben	5	14	1	4	0	39	3	21	2	89	6	0	0	1	0	21	7	11	46
NEW HAMPSHIRE—																			
Concord	5	4	4	17	1	37	1	21	0	90									
Exeter	7	8	4	9	4	27	3	27	1	90	5	9	4	5	3	17	2	11	56
Great Falls	7	10	0	8	0	30	4	18	0	77	1	0	0	1	0	15	4	5	26
Hanover	8	7	0	6	8	31	1	29	0	90	2	1	0	0	3	1	3	7	17
Manchester	8	5	8	5	10	19	7	23	0	85	1	3	6	0	0	7	22	8	47
Salmon Falls	5	13	4	6	3	17	7	7	28	90	5	1	0	0	0	2	11	13	32
VERMONT—																			
Brandon	24	0	0	1	42	5	1	7	10	90	5	0	0	0	3	3	4	14	29
Burlington	31	5	0	0	45	0	2	7	0	90	0	0	0	0	0	0	4	3	7
Castleton	24	0	0	1	28	6	1	2	28	90	1	0	0	0	1	0	0	0	2
Craftsbury	7	12	1	8	26	7	11	16	0	88	3	4	0	1	8	4	27	22	69
St. Johnsbury	0	0	0	0	0	32	4	52	0	88	0	0	0	0	0	13	2	6	21
MASSACHUSETTS—																			
Amherst	1	5	0	31	3	15	4	26	2	87	1	0	1	1	2	8	5	11	29
Mendon	0	11	0	0	0	49	4	26	0	90	0	11	0	0	0	48	2	29	90
Nantucket	10	18	1	7	1	41	1	2	9	90									
New Bedford	11	12	1	5	1	39	5	13	0	87	2	0	0	1	2	3	2	0	10
Newburyport	2	7	4	7	23	16	9	16	0	84									
North Attleboro'	19	12	2	2	26	16	8	5	0	90	7	7	0	2	11	14	1	10	52
Princeton	6	18	0	5	2	13	33	13	0	90	2	5	0	0	1	8	24	4	44
Richmond	0	6	0	6	2	25	0	50	1	90	2	4	0	8	2	18	3	21	58
Southwick	0	4	1	6	8	4	0	11	7	41	0	2	0	3	0	9	2	1	17
Springfield	3	9	0	0	6	29	2	15	35	99	2	8	0	0	1	12	0	13	36
Taunton	9	10	5	8	7	25	12	12	1	89	1	12	4	8	4	16	6	5	56
Williamstown	4	2	2	7	10	6	1	14	21	67	1	5	8	8	0	1	1	2	26
Worcester	0	7	0	12	0	34	0	37	0	90									
RHODE ISLAND—																			
Providence	4	14	3	1	6	31	7	20	0	86									
CONNECTICUT—																			
New London	5	13	0	6	1	42	3	20	0	90									
Pomfret	8	15	0	4	3	38	4	18	0	90	0	9	0	2	1	22	2	11	47
West Cornwall	3	6	1	9	3	41	4	23	0	90									
NEW YORK—																			
Angelica	0	5	2	8	9	19	33	14	0	90	2	3	0	1	0	9	36	5	56
Baldwinsville	8	1	4	2	3	21	21	16	0	76	2	1	1	0	0	6	25	12	47
Beaver Brook	12	3	14	9	7	4	6	21	3	79									
Beverly	14	6	0	27	5	11	0	21	5	89	0	5	0	12	5	16	8	10	56
Buffalo, [Salisbury]	11	16	0	0	3	13	10	2	22	77	6	3	0	0	0	12	7	2	30
Canton	6	15	3	1	1	44	1	14	4	89	4	8	2	0	1	31	1	10	57
Gouverneur	35	7	0	0	6	30	5	7	0	90	16	2	0	0	6	16	12	4	56
Lodi	8	3	1	6	24	7	7	21	13	99	0	1	0	0	1	4	14	24	44
Madrid	0	7	0	0	2	15	15	8	25	72	0	3	0	0	0	10	26	3	42
New York city	8	44	10	19	39	33	6	21	0	180									
New York city, [Deaf and Dumb Institution]	5	14	5	17	7	10	13	14	0	90	0	4	11	4	1	11	24	6	61
Ogdensburg	3	0	0	0	0	1	0	0	0	4									
Penn Yan	9	11	0	0	14	27	29	0	0	90									
Sag Harbor	7	15	7	7	7	36	1	9	1	90	3	10	1	3	0	31	21	7	76
Smithville	9	20	1	1	11	29	12	7	0	90	7	8	0	0	0	32	19	13	79
Wampsville	2	1	9	5	27	4	33	7	0	88	0	1	8	5	20	4	28	6	72
NEW JERSEY—																			
Bloomfield	0	23	2	5	7	36	2	15	0	90									
Burlington	15	20	0	2	5	23	7	2	16	90	0	8	0	0	1	2	0	0	11
Lambertville	6	9	2	12	4	38	0	7	0	78									

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	1	2	0	15	1	19	2	38	0	78	0	0	0	6	2	14	8	18	48
Byberry	8	11	4	6	18	11	9	16	7	90	5	9	4	5	7	12	35	28	105
Freeport	24	22	5	6	27	3	1	2	0	90									
Gettysburg	12	9	1	2	22	21	5	6	11	89	4	4	1	2	2	7	29	13	62
Harrisburg	0	1	7	23	17	0	11	22	0	81	0	0	1	6	5	3	11	12	38
Lima	2	22	7	6	12	11	0	7	23	90	2	4	3	3	3	15	14	17	61
Morrisville	16	11	4	5	4	27	1	2	20	90	3	6	1	4	0	18	9	9	50
Norristown	1	0	5	15	6	18	30	4	0	79	0	0	5	3	1	12	31	1	53
Philadelphia	13	16	6	6	5	29	4	11	0	90	5	1	0	1	2	11	6	1	27
Pocopson	5	4	0	0	0	17	17	13	0	56									
Randolph	2	2	3	14	6	11	6	12	16	72	3	5	0	1	0	8	26	6	49
West Haverford	5	11	2	4	4	23	2	7	2	60	1	1	1	2	0	7	11	9	32
MARYLAND—																			
Frederick	13	9	6	7	19	7	11	8	10	90	7	2	2	0	8	6	33	3	61
Schellman Hall	1	0	0	5	9	32	27	16	0	90	6	1	5	4	9	11	31	8	75
VIRGINIA—																			
Alexandria	8	24	3	10	33	10	0	1	0	89									
Ashland	13	6	0	1	12	6	2	0	50	90	8	2	0	0	12	4	0	1	27
Crichton's Store	13	17	3	5	16	29	1	1	4	89	5	14	5	5	10	28	9	7	83
Lewisburg											3	1	0	0	0	0	11	0	15
Montcalm	11	0	0	0	8	8	1	0	0	28	4	0	0	0	4	4	5	0	17
Winchester	0	0	8	4	9	0	14	0	55	90	0	0	1	0	0	0	6	0	7
NORTH CAROLINA—																			
Chapel Hill	11	21	11	1	13	8	19	5	0	89	5	16	7	2	10	8	9	1	58
SOUTH CAROLINA—																			
Camden	1	26	8	16	11	18	1	0	9	90	0	16	1	10	3	12	3	9	54
St. John's	0	32	5	3	0	7	12	1	0	60									
GEORGIA—																			
Augusta	1	11	6	7	3	3	2	3	0	36	1	5	3	14	10	6	1	2	42
Savannah	17	12	10	20	18	4	5	4	0	90	0	0	1	1	1	0	3	1	7
Sparta	3	34	15	10	2	8	4	9	0	85	2	17	3	9	2	3	3	10	49
The Rock	1	6	2	2	0	2	0	3	0	16									
Whitemarsh Island	7	33	5	9	12	6	1	1	16	90	2	21	6	10	2	4	2	7	54
FLORIDA—																			
Cedar Keys	5	17	27	6	2	12	13	5	3	90	3	16	17	6	3	12	7	6	70
Jacksonville	3	53	3	6	2	12	1	3	7	90	3	37	8	10	1	11	3	5	78
Key West	8	10	22	7	4	1	4	3	1	60									
Knox Hill	7	26	22	11	1	9	7	4	0	87	4	9	21	11	1	7	4	3	60
Warrington	6	15	2	21	8	23	2	12	1	90	4	21	1	19	3	15	0	18	81
ALABAMA—																			
Tuscaloosa	1	10	9	15	1	3	2	7	34	82									
MISSISSIPPI—																			
Garlandsville	2	21	5	39	0	6	1	13	3	90	0	16	5	29	1	8	1	8	68
Vicksburg	6	2	28	5	23	2	23	1	0	90									
TEXAS—																			
Austin	20	21	4	19	15	6	0	2	3	90	21	13	3	29	5	15	1	2	89
New Wied	21	10	8	18	8	1	1	0	23	90	1	0	8	2	0	1	3	2	17
TENNESSEE—																			
Glenwood	7	10	4	7	8	7	5	4	38	90	7	3	5	6	7	10	25	2	65
Knoxville	33	11	5	4	19	2	12	7	0	84									
Memphis	3	11	5	16	1	22	1	19	12	90	0	3	4	17	2	13	3	14	56
KENTUCKY—																			
Ballardsville	13	4	1	0	2	13	12	45	0	90	0	1	0	0	2	4	0	2	9
Danville	8	19	0	5	26	14	7	5	0	84	4	4	0	5	14	17	9	6	59
Millersburg	3	8	4	1	7	8	5	0	11	47									
Springdale	7	12	1	1	5	16	7	5	36	90									
OHIO—																			
College Hill	4	9	4	2	6	9	12	3	33	82	0	1	1	0	5	5	0	2	14
Germantown	9	16	0	2	1	31	2	17	0	78	3	4	0	2	0	36	1	7	53
Granville	1	10	1	1	2	16	7	2	24	64	1	3	0	0	0	9	8	4	25
Hillsborough	2	14	3	5	1	16	0	8	1	50	0	3	0	0	0	9	0	3	15
Jackson	18	3	4	5	10	7	1	5	38	91	1	0	0	0	0	1	35	1	38
Marietta	1	0	0	0	5	1	6	3	59	75	0	0	1	0	0	8	11	3	23
Oberlin	14	8	4	1	10	16	4	10	22	89	0	0	0	0	2	5	43	9	59

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1851—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Savannah	5	0	0	0	0	12	54	15	4	90	4	0	0	0	0	11	36	12	63
Zanesville	24	9	2	9	4	27	3	6	4	88	----	----	----	----	----	----	----	----	----
Michigan—																			
Ann Arbor, [Winchell]	6	10	8	5	0	33	3	3	22	90	8	6	2	1	0	12	16	11	56
Ann Arbor, [Woodruff]	6	12	6	14	8	21	5	3	12	87	1	6	1	2	2	6	41	13	72
Battle Creek	3	8	5	6	24	15	4	12	13	90	4	5	2	1	2	24	23	14	75
Cooper	5	2	10	0	0	0	37	2	34	90	1	3	10	0	0	0	37	2	53
Detroit	3	26	5	9	17	24	4	2	0	90	----	----	----	----	----	----	----	----	----
Flint	22	3	0	1	15	14	3	5	0	63	----	----	----	----	----	----	----	----	----
Grand Rapids	3	16	14	8	0	15	8	3	23	90	2	4	1	1	2	9	7	2	28
Monroe, [Whelpley]	0	9	4	2	3	5	0	65	0	88	0	10	2	0	0	9	0	67	88
St. James	11	2	7	12	4	32	1	19	2	90	1	1	1	1	1	24	9	18	56
Indiana—																			
Kendallville	5	1	7	15	6	31	14	7	0	86	3	0	0	0	1	2	3	3	12
Milton	11	3	0	2	2	6	2	10	54	90	3	0	0	0	0	5	3	2	13
New Harmony	14	9	0	7	11	1	2	3	0	47	0	0	0	0	0	1	0	1	2
Richmond	4	6	2	9	2	8	1	2	11	45	5	2	0	3	0	8	9	2	29
Illinois—																			
Athens	0	21	1	27	2	15	0	14	0	80	1	6	0	4	1	17	30	8	67
Augusta	5	14	15	9	14	7	8	6	12	90	1	6	4	1	4	4	11	1	32
Ottawa	7	19	4	19	11	21	1	7	1	90	7	7	0	3	1	22	6	3	49
Upper Alton	0	6	0	8	4	31	4	17	0	70	----	----	----	----	----	----	----	----	----
Missouri—																			
Hannibal	11	5	21	3	13	11	1	3	10	78	7	3	2	2	10	14	7	0	45
St. Louis	12	7	12	21	12	9	5	12	0	90	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Bellefontaine	3	15	9	15	5	12	13	6	5	83	1	6	6	6	3	9	27	3	61
Beloit	9	19	4	15	12	18	12	1	0	90	3	6	0	1	4	16	4	1	35
Ceresco	9	14	4	12	6	32	6	1	4	88	3	3	1	1	1	15	0	2	26
Janesville	12	13	0	9	18	15	6	5	12	90	----	----	----	----	----	----	----	----	----
Madison	7	5	1	15	24	14	8	11	0	85	----	----	----	----	----	----	----	----	----
Milwaukie	0	18	5	9	4	29	9	9	7	90	----	----	----	----	----	----	----	----	----
Platteville	11	11	12	17	16	7	5	8	0	87	4	8	8	10	5	5	18	6	64
Iowa—																			
Dubuque	15	14	3	4	8	11	11	1	21	88	5	7	0	0	1	9	10	3	35
Fort Madison	10	12	8	39	6	7	1	7	0	90	4	6	1	2	2	18	21	4	58
Muscatine	0	17	0	28	0	31	2	12	0	90	0	3	0	1	1	31	1	3	40
Pella	15	2	0	15	46	0	6	6	0	90	----	----	----	----	----	----	----	----	----
Poulteney	8	6	7	10	9	9	5	9	18	81	2	4	1	2	1	8	16	5	39
Quasqueton	2	10	3	16	6	13	6	11	5	72	1	0	0	0	2	4	8	0	15
Minnesota—																			
St. Anthony's Falls	0	0	0	8	39	3	22	18	0	90	0	0	0	0	0	14	59	0	73
California—																			
Sacramento, [Logan]	5	0	2	21	15	31	10	6	0	90	----	----	----	----	----	----	----	----	----
Sacramento, [Hatch]	1	0	0	66	25	9	1	4	0	106	----	----	----	----	----	----	----	----	----
Stockton	3	6	0	0	0	22	23	124	2	180	----	----	----	----	----	----	----	----	----
Central America—																			
Truxillo, Honduras	0	33	6	0	0	0	6	15	0	60	----	----	----	----	----	----	----	----	----
Eastern Continent—																			
Mosul, Mesopotamia	12	1	2	1	0	1	0	14	0	31	----	----	----	----	----	----	----	----	----

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	25	9	0	5	10	17	9	15	3	93									
CANADA EAST—																			
St Martin's	1	26	0	3	0	48	3	17	0	93									
MAINE—																			
Carmel	0	6	2	6	4	8	5	26	15	72	0	4	1	6	4	2	2	12	31
Fryeburg	11	3	14	8	4	23	10	12	0	85	2	0	0	1	4	10	18	15	50
Perry	11	11	2	6	5	36	10	12	0	93	2	13	0	2	1	27	10	4	59
Steuben	6	24	0	6	0	37	6	9	6	94	5	6	0	0	1	32	14	5	63
NEW HAMPSHIRE—																			
Concord	8	5	3	26	0	22	0	29	0	93									
Exeter	5	14	8	14	3	13	17	16	2	92	3	5	1	13	2	9	13	8	54
Great Falls	6	13	2	7	1	18	1	20	10	78	0	0	0	0	0	1	4	2	7
Hanover	5	5	0	20	3	19	14	27	48	93	1	0	0	3	4	4	0	4	16
Londonderry	0	4	7	7	6	4	3	14	0	93	1	1	3	1	2	1	14	4	27
Manchester	20	3	11	6	17	9	10	16	1	93	0	0	6	6	1	1	28	11	53
Salmon Falls	5	4	5	16	2	16	8	13	24	93	3	2	1	1	0	6	10	8	31
VERMONT—																			
Brandon	25	0	3	2	41	2	5	3	12	93	5	0	0	0	7	3	9	11	35
Burlington	5	2	1	4	55	2	5	9	0	93	1	0	0	0	0	0	0	0	1
Castleton	17	1	2	1	18	4	0	1	49	93	2	1	1	0	2	0	0	0	6
Craftsbury	6	9	3	3	37	12	7	16	0	93	4	4	1	1	14	12	25	17	78
St. Johnsbury	0	0	0	0	0	24	3	61	0	88	1	0	0	0	0	20	6	12	39
MASSACHUSETTS—																			
Amherst	2	4	7	25	0	15	2	33	1	89	1	1	0	3	3	8	6	17	39
Mendon	1	8	4	8	2	39	3	28	0	93	1	7	5	8	1	40	6	24	92
Nantucket	7	25	1	12	7	13	6	12	10	93									
New Bedford	8	15	0	11	5	24	3	23	1	90	1	3	3	0	4	7	6	9	33
Newburyport	13	10	9	16	7	11	9	11	0	86									
North Attleboro'	16	8	5	6	24	9	10	15	0	93	6	7	3	4	6	15	4	17	62
Princeton	5	14	14	5	2	12	26	15	0	93	2	5	3	0	1	3	10	4	28
Richmond	0	0	0	0	1	44	0	48	0	93	0	0	0	2	0	31	2	29	64
Southwick	1	7	1	0	9	4	1	5	7	35	0	1	1	1	0	7	8	2	20
Springfield	7	5	1	5	3	12	1	13	46	93	1	2	1	5	5	11	4	16	45
Taunton	13	9	2	17	2	22	10	18	0	93	5	9	2	16	0	17	2	6	57
Williamstown	19	1	0	9	11	5	5	15	19	84	6	4	4	6	4	0	0	3	27
Worcester	3	15	2	12	0	19	2	40	0	93									
RHODE ISLAND—																			
Providence	4	16	1	5	8	24	0	28	0	86									
CONNECTICUT—																			
New London	13	9	2	7	8	26	0	28	0	93									
Pomfret	4	20	1	7	10	26	2	23	0	93	0	9	0	6	5	11	2	22	55
Saybrook	23	8	9	8	3	14	11	8	3	87	2	1	1	4	4	4	8	7	31
West Cornwall	4	2	0	11	6	18	4	30	0	75									
NEW YORK—																			
Angelica	0	5	3	12	3	35	17	17	0	92	0	2	0	4	4	20	17	8	55
Baldwinsville	0	0	10	2	9	24	8	29	0	82	0	0	0	0	0	6	24	27	57
Beaver Brook	11	3	23	14	3	7	11	26	4	102									
Beverly	8	17	0	13	7	20	2	21	4	92	0	5	4	7	2	18	9	10	55
Buffalo, [Salisbury]	10	1	0	1	1	9	10	5	17	54	0	0	0	0	0	1	5	5	11
Canton	3	21	0	2	3	41	2	8	2	82	2	17	0	0	2	38	2	5	66
Gouverneur	8	4	0	0	3	41	4	33	0	93	11	1	0	0	0	35	16	15	78
Lodi	3	3	1	17	16	8	3	19	23	93	2	2	0	1	9	6	11	17	48
Madrid	0	11	0	0	0	29	9	4	29	82	0	5	0	0	0	26	12	7	50
New York city	21	45	15	13	21	28	20	17	6	186									
New York city, [Deaf and Dumb Institution]	4	10	5	13	5	16	17	23	0	93	0	2	2	5	1	17	21	9	57
Ogdensburg	5	1	5	0	8.5	4.5	1	5	0	30									
Penn Yan	2	8	0	0	34	21	25	3	0	93									
Sag Harbor	0	23	5	11	6	20	2	11	1	79	0	9	2	8	1	14	8	20	62
Smithville	3	8	6	4	25	30	8	9	0	93	4	6	0	0	10	33	16	11	80
Spencertown	11	2	3	3	14	25	5	29	1	93	7	4	0	3	5	20	11	29	79
Wampsville	1	1	6	13	28	8	24	12	0	93	1	1	6	16	18	6	23	12	83

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	2	25	0	6	23	20	11	6	0	93									
Burlington	2	12	4	2	7	18	13	5	31	94	0	1	3	4	8	11	0	0	27
Lambertville	4	13	1	7	3	17	2	30	0	77									
PENNSYLVANIA—																			
Bedford	0	0	0	6	1	32	5	34	0	78	0	0	0	3	1	22	6	16	48
Byberry	6	28	3	4	9	10	10	20	3	93	1	10	2	2	9	8	34	18	84
Freeport	18	13	17	5	23	11	1	5	0	93									
Gettysburg	8	18	4	8	14	14	11	11	3	91	0	3	2	4	1	9	14	11	44
Harrisburg	4	0	1	20	6	4	8	39	0	82	0	0	0	3	1	0	4	19	27
Lima	2	16	5	8	4	6	2	18	32	93	1	3	0	0	2	7	11	13	37
Morrisville	9	13	5	6	2	16	3	13	26	93	4	7	1	4	0	9	11	14	50
Moss Grove	0	0	3	3	8	7	30	8	15	74	0	0	0	0	2	5	44	2	53
Norristown	0	6	19	1	0	5	32	24	0	87	1	3	15	1	1	1	18	11	50
Philadelphia	13	17	4	3	4	24	7	21	0	93	1	0	0	2	1	3	9	0	16
Pittsburg	0	0	0	0	7	19	7	5	0	38	2	2	2	0	0	0	5	1	12
Pocopson	10	6	1	2	5	16	15	24	14	93	0	0	0	1	0	0	1	0	2
Randolph	1	0	1	27	12	9	11	15	11	87	2	1	0	2	0	20	12	15	52
West Haverford	2	4	16	2	3	16	3	13	3	62	4	2	0	1	0	2	6	8	23
MARYLAND—																			
Frederick	4	8	1	3	11	14	6	18	28	93	4	0	2	1	6	3	22	9	47
Schellman Hall	0	1	4	2	3	10	50	23	0	93	1	4	1	5	3	5	42	1	62
VIRGINIA—																			
Alexandria	9	22	2	11	19	9	5	16	0	93									
Ashland	5	0	0	0	18	5	2	1	62	93	5	0	0	0	12	9	5	4	35
Crichton's Store	36	8	0	0	13	24	7	2	2	92	5	5	0	4	1	27	15	3	60
Lewisburg	0	0	0	0	2	0	5	0	0	7	0	0	0	0	4	2	28	0	34
Montcalm	5	5	0	1	2	4	3	1	0	21	2	2	0	0	1	0	8	0	13
Winchester	0	0	0	2	4	6	17	0	64	93	0	0	0	0	0	3	12	0	15
NORTH CAROLINA—																			
Chapel Hill	24	3	2	3	7	6	32	13	0	90	1	4	1	0	10	10	13	1	40
SOUTH CAROLINA—																			
Camden	3	40	7	9	9	11	3	6	5	93	0	4	0	5	4	10	9	14	46
St. John's	19	6	5	8	0	4	5	15	0	62									
GEORGIA—																			
Augusta	4	10	1	1	0	2	0	0	0	18									
Savannah	31	11	8	14	10	4	8	7	0	93									
Sparta	1	49	4	5	6	8	4	16	0	93	0	3	2	6	3	5	5	7	31
The Rock	1	11	0	6	0	1	0	11	0	30									
Whitemarsh Island	7	39	3	5	5	6	5	6	17	93	0	11	0	4	1	5	5	4	30
FLORIDA—																			
Cedar Keys	12	39	12	4	6	6	1	8	2	90	2	28	12	3	4	4	2	5	60
Jacksonville	5	49	1	2	0	14	5	10	7	93	3	27	4	10	0	15	6	5	70
Key West	16	26	8	6	0	0	0	3	3	62									
Knox Hill	10	29	15	11	4	13	4	5	1	92	2	1	8	10	4	6	9	3	43
Warrington	15	27	4	20	5	10	0	12	0	93	3	6	0	26	2	14	0	18	69
ALABAMA—																			
Tuscaloosa	2	5	2	12	2	5	2	7	37	74									
MISSISSIPPI—																			
Garlandsville	2	44	1	22	0	5	2	11	6	93	0	20	1	20	0	4	1	2	48
Oxford	0	7	7	33	19	8	7	12	0	93	3	2	1	8	25	4	8	2	53
LOUISIANA—																			
New Orleans	9	12	18	3	0	1	2	1	0	46	1	0	1	1	1	0	3	2	9
TEXAS—																			
Austin	40	12	1	10	16	5	0	7	2	93	17	8	2	17	10	4	3	5	66
New Wied	25	17	13	14	5	3	2	3	11	93	5	2	8	1	2	0	4	5	27
TENNESSEE—																			
Glenwood	4	5	4	8	4	14	6	6	42	93	3	1	0	8	3	9	26	7	57
Knoxville	9	12	14	6	10	12	2	10	0	75									
Memphis	1	12	12	14	0	21	0	12	6	78	0	5	5	5	0	11	0	6	32
KENTUCKY—																			
Fallardsville	8	2	6	14	7	29	20	7	0	93	1	0	0	2	0	5	3	0	11
Danville	5	9	8	9	11	28	9	11	2	92	0	1	0	4	2	28	16	4	55
Millersburg	5	0	0	1	2	11	6	6	53	84									
Springdale	1	3	7	1	8	22	8	7	36	93									

NO. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
College Hill	0	3	5	3	7	8	10	0	49	85	0	1	1	1	4	7	4	0	18
Germantown	0	7	3	12	1	36	0	19	0	78	0	3	0	9	1	28	0	5	46
Granville	0	2	5	0	0	10	7	6	24	54	0	1	0	0	0	7	5	4	17
Hillsborough	3	11	0	13	4	21	2	7	0	61	0	0	0	3	1	4	2	3	13
Jackson	13	4	11	7	13	5	15	3	19	90	4	0	2	3	7	3	22	6	47
Marietta	3	0	0	0	4	0	4	2	69	82	0	0	0	0	7	4	5	1	17
Norwalk	0	6	7	5	5	28	25	17	14	107	1	0	2	0	3	12	16	11	45
Oberlin	9	4	3	7	7	20	15	5	21	91	3	2	0	5	2	6	36	4	58
Zanesville	15	1	1	9	1	16	7	12	4	66	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	2	3	9	18	14	23	6	13	5	93	1	0	4	3	7	11	16	19	61
Ann Arbor, [Winchell]	1	2	1	10	15	23	12	9	20	93	1	0	2	11	3	13	34	14	78
Battle Creek	3	0	18	4	15	15	10	16	12	93	2	0	6	6	0	20	23	17	74
Detroit	3	8	13	7	7	37	7	6	0	88	----	----	----	----	----	----	----	----	----
Flint	9	3	7	6	17	11	12	5	0	70	----	----	----	----	----	----	----	----	----
Grand Rapids	0	19	7	5	3	15	9	6	28	92	1	1	4	2	2	3	7	5	25
Monroe, [Whelpley]	0	31	5	16	0	13	8	20	0	93	0	25	6	18	0	4	1	33	87
St. James	0	6	10	9	5	31	1	23	8	93	1	0	4	0	1	12	16	16	50
INDIANA—																			
Milton	3	3	6	5	3	10	12	11	40	93	2	2	4	4	1	11	2	4	30
New Harmony	1	8	3	13	4	14	7	14	0	64	0	0	1	1	0	7	1	0	10
Richmond	0	3	0	17	4	8	2	3	0	37	0	0	1	5	5	8	4	4	27
ILLINOIS—																			
Athens	1	3	6	30	1	19	2	21	9	92	4	1	0	8	0	2	22	15	52
Augusta	5	3	9	9	9	16	13	16	13	93	3	1	2	1	3	2	6	6	24
Manchester	15	17	19	22	10	3	2	5	0	93	3	4	3	4	3	5	11	3	36
Ottawa	9	15	2	5	15	21	4	10	12	93	4	5	0	3	4	3	3	11	33
MISSOURI—																			
Hannibal	16	3	18	2	34	3	3	7	6	92	12	2	8	2	5	2	6	3	40
St. Louis	3	5	9	31	12	4	19	10	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	13	9	2	7	24	17	7	14	0	93	5	4	0	4	0	2	2	1	18
Ceresco	3	10	2	2	16	18	16	4	16	87	1	0	0	0	0	3	3	1	8
Janesville	5	17	1	16	15	17	8	8	6	93	----	----	----	----	----	----	----	----	----
Madison	11	1	2	7	31	10	13	14	4	93	0	1	0	0	2	0	1	1	5
Milwaukie	1	19	3	16	3	21	6	21	3	93	----	----	----	----	----	----	----	----	----
Platteville	1	5	3	25	13	7	16	20	3	93	3	5	1	3	1	11	33	18	75
IOWA—																			
Dubuque	20	12	2	1	10	14	13	4	10	86	5	4	3	2	2	5	10	13	44
Fort Madison	4	15	4	28	6	14	0	22	0	93	6	5	5	1	4	7	7	7	42
Keokuk	10	0	8	1	12	4	16	0	36	87	7	0	7	1	5	0	7	0	27
Muscatine	3	7	0	36	2	21	4	20	0	93	1	4	0	8	0	13	6	7	39
Pella	11	3	3	6	45	4	9	12	0	93	----	----	----	----	----	----	----	----	----
Poultney	8	3	6	7	27	9	9	13	5	87	1	5	4	0	2	3	8	12	35
Quasqueton	6	7	5	10	13	15	3	16	2	77	1	3	1	1	1	2	5	2	16
CALIFORNIA—																			
Sacramento, [Hatch]	2	1	0	69	11	16	5	20	0	124	----	----	----	----	----	----	----	----	----
Sacramento, [Logan]	7	3	1	23	10	24	2	23	0	93	----	----	----	----	----	----	----	----	----
Stockton	0	0	0	6	0	21	38	121	0	186	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Truxillo, Honduras	0	5	1	0	0	0	22	0	25	53	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	5	2	0	5	5	3	1	9	1	31	----	----	----	----	----	----	----	----	----

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1851.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	13	7	1	12	14	21	5	16	0	89									
CANADA EAST—																			
St. Martin's	2	18	0	8	5	20	4	33	0	90									
MAINE—																			
Carmel	0	6	1	16	5	11	2	28	10	82	0	3	1	14	3	14	1	10	46
Fryeburg	8	16	3	4	4	17	12	23	0	87	1	0	0	2	1	14	8	26	52
Perry	14	5	2	5	4	26	8	26	0	90	11	7	1	4	6	26	8	13	76
Steuben	0	22	1	9	3	30	9	13	0	87	1	2	1	3	1	22	12	13	55
Windham	3	5	0	10	6	3	2	21	5	55									
NEW HAMPSHIRE—																			
Concord	0	8	0	8	13	16	1	44	0	90									
Exeter	8	6	1	12	4	15	27	16	0	89	5	4	1	9	3	13	18	9	62
Great Falls	9	5	1	7	3	15	4	23	0	67	2	0	0	3	1	6	2	3	17
Hanover	6	2	0	11	11	22	10	29	0	91	3	0	0	1	1	5	4	7	21
Londonderry	3	2	0	13	4	6	15	19	25	87	0	0	0	2	3	6	14	4	29
Manchester	7	0	3	3	12	6	35	1	0	67	7	0	3	3	12	6	35	1	67
Salmon Falls	11	8	0	6	4	10	10	24	17	90	4	0	2	1	6	7	9	13	42
VERMONT—																			
Brandon	18	0	3	6	32	7	5	13	6	90	7	0	0	0	4	5	6	16	38
Burlington	20	0	0	9	31	4	13	13	0	90									
Castleton	19	0	0	1	11	26	6	2	25	90									
St. Johnsbury	0	0	0	0	0	20	1	69	0	90	0	0	0	2	1	24	4	9	40
MASSACHUSETTS—																			
Amherst	7	1	1	22	1	9	5	39	0	85	1	0	0	5	3	7	5	20	41
Mendon	5	13	0	2	3	30	7	30	0	90	5	13	1	1	8	26	5	31	90
Nantucket	5	8	0	10	8	16	8	27	7	89									
New Bedford	3	8	0	5	9	18	18	24	0	85	1	3	0	4	4	12	6	3	33
Newburyport	18	1	3	1	26	4	14	20	0	87									
North Attleboro'	11	1	3	5	18	18	15	19	0	90	9	1	1	6	14	10	10	14	65
Princeton	0	12	2	1	9	20	33	13	0	90	0	2	0	0	4	6	21	8	41
Richmond	0	4	0	12	0	30	0	44	0	90	0	1	0	13	0	29	0	21	64
Southwick	6	7	1	5	9	7	2	12	7	56	1	3	0	3	2	8	2	4	23
Springfield	11	0	0	0	10	14	2	22	31	90	7	0	0	0	6	14	2	36	65
Taunton	10	12	0	7	5	10	18	25	3	90	6	11	0	10	6	6	6	9	54
Williamstown	6	0	1	5	16	11	16	21	14	90	7	3	5	21	3	0	0	3	42
Worcester	8	10	0	2	6	26	6	32	0	90									
CONNECTICUT—																			
New London	4	6	0	6	8	27	5	31	0	90									
Pomfret	5	5	1	9	8	19	9	34	0	90	3	4	1	6	9	13	7	18	61
Saybrook	11	7	1	5	8	13	17	23	5	90	0	6	3	0	6	9	12	4	49
West Cornwall	10	2	0	16	4	22	8	28	0	90									
NEW YORK—																			
Angelica	1	5	7	19	6	35	12	5	0	90	0	2	2	10	7	25	27	5	78
Baldwinsville	7	1	2	5	6	13	28	24	0	86	4	0	0	0	0	2	36	27	69
Beaver Brook	4	1	14	12	4	9	14	40	1	99									
Beverly	4	8	0	12	3	34	4	13	5	83	2	1	1	15	7	12	10	10	58
Canton	9	6	0	2	3	40	1	10	0	71	9	5	0	1	3	36	2	8	64
Gouverneur	19	7	0	2	14	24	8	16	0	90	15	8	0	0	16	21	8	16	84
Lodi	2	1	1	19	5	23	14	20	5	90	2	0	0	0	4	6	32	17	61
New York city	11	12	0	20	14	21	42	60	0	180									
New York city, [Deaf and Dumb Institution]	1	2	1	9	0	5	24	18	0	60	0	0	0	7	3	5	36	14	65
Ogdensburg	1	1	3.5	3	3.5	5	6	6	0	29									
Penn Yan	6	0	0	0	21	21	39	3	0	90									
Sag Harbor	10	10	4	7	9	20	4	24	2	90	4	5	2	6	6	32	9	13	77
Smithville	12	10	8	5	19	21	12	3	0	90	8	3	0	1	3	39	29	4	87
Spencertown	11	2	0	1	19	31	3	23	0	90	3	1	0	1	1	29	10	31	76
Wampsville	1	2	8	4	8	11	59	6	0	90	2	1	9	1	7	11	46	6	86
NEW JERSEY—																			
Bloomfield	3	4	0	7	2	41	12	21	0	90									
Burlington	8	2	1	0	5	19	34	7	11	90	2	2	1	0	9	15	17	4	50
Lambertville	3	6	0	8	3	15	4	33	0	72									

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	1	0	0	4	6	33	11	28	0	77	0	0	0	1	0	31	10	23	65
Byberry	9	2	1	13	3	14	18	27	3	90	0	0	0	2	8	12	30	22	74
Freeport	6	2	1	1	48	17	12	3	0	90									
Gettysburg	6	4	0	3	5	33	18	19	3	91	0	1	0	0	4	18	27	20	70
Harrisburg	5	3	6	12	2	6	55	0	0	89	1	0	0	4	1	1	3	28	38
Lima	9	6	1	8	6	6	5	27	22	90	2	2	0	1	0	19	14	18	56
Morrisville	10	3	1	7	6	22	6	31	4	90	1	1	0	2	4	11	20	30	69
Moss Grove	0	0	0	4	22	34	17	4	0	81	1	0	0	0	4	20	47	5	77
Norristown	0	3	4	10	2	7	36	16	0	78	0	0	0	6	1	13	40	1	61
Philadelphia	5	6	1	6	4	31	12	25	0	90	0	0	0	2	1	8	6	3	20
Pocopson	7	0	0	4	2	21	30	25	0	89									
Randolph	0	0	0	12	6	41	7	16	8	90	0	1	0	2	3	28	14	19	67
West Haverford	2	1	1	2	2	13	18	15	7	61	3	0	0	0	0	5	10	18	36
DELAWARE—																			
Newark	6	5	0	5	3	12	9	22	0	62	5	1	0	0	4	1	4	6	21
MARYLAND—																			
Frederick	9	1	2	5	12	18	19	17	7	90	2	0	0	0	7	13	29	11	62
Schellman Hall	1	0	0	6	3	8	58	14	0	90	3	0	2	3	0	6	48	7	69
VIRGINIA—																			
Alexandria	10	4	3	4	23	17	10	19	0	90									
Ashland	9	0	0	2	1	22	0	3	53	90	4	0	0	0	3	26	4	2	39
Crichton's Store	14	2	0	2	25	24	19	1	2	89	6	1	0	3	5	32	19	0	66
Lewisburg	0	0	0	0	1	1	9	0	0	11	0	0	0	1	2	10	38	8	51
Montcalm	1	3	0	0	1	11	8	2	0	26	0	0	0	0	2	9	4	2	17
Winchester	0	0	0	0	0	5	35	4	45	89	0	0	0	0	0	0	17	3	20
NORTH CAROLINA—																			
Chapel Hill	4	7	2	1	14	23	22	17	0	90	1	2	1	0	8	22	3	3	40
Thornbury	5	8	4	2	3	26	21	10	11	90	1	0	0	1	1	11	19	2	35
SOUTH CAROLINA—																			
All Saints	5	3	1	3	9	33	25	9	2	90	0	0	1	0	5	12	15	4	37
Camden	3	11	2	7	0	24	19	17	6	89	0	0	0	3	0	13	15	13	44
St. John's	3	5	3	11	1	11	3	23	0	60									
GEORGIA—																			
Augusta	2	18	2	3	0	31	20	14	0	90									
Savannah	8	3	8	3	9	12	25	22	0	90	0	0	1	0	2	3	1	0	7
Sparta	1	11	4	7	0	30	13	24	0	90	1	1	0	3	1	9	9	8	32
The Rock	0	6	0	1	0	1	2	18	0	28									
Whitemarsh Island	6	6	5	1	1	10	15	25	21	90	1	1	0	1	4	5	10	1	23
FLORIDA—																			
Cedar Keys	12	3	0	5	3	6	12	13	7	61	2	1	0	2	4	3	6	5	23
Jacksonville	6	13	0	0	7	32	3	22	6	89	0	6	0	1	2	16	8	4	37
Key West	23	13	6	3	3	2	4	6	0	60									
Knox Hill	15	12	4	2	5	12	11	13	2	76	0	0	0	0	3	12	11	4	30
Warrington	9	7	3	8	4	19	4	32	4	90	1	2	0	1	2	12	9	25	52
ALABAMA—																			
Greene Springs	4	0	1	2	1	8	18	4	5	43	1	0	0	0	0	2	6	1	10
Tuscaloosa	3	5	7	12	3	9	6	21	18	84									
MISSISSIPPI—																			
Garlandsville	0	9	0	16	0	9	12	42	2	90	0	4	0	10	0	8	10	9	41
Oxford	4	2	6	8	8	21	30	11	0	90	9	7	2	7	14	4	2	1	46
LOUISIANA—																			
New Orleans	19	3	6	7	19	5	6	4	0	69	0	1	1	2	7	2	6	2	21
TEXAS—																			
Austin	36	4	3	4	20	8	3	10	21	109	11	0	0	10	10	7	5	3	46
New Wied	38	6	7	8	3	3	8	6	11	90	0	0	2	1	0	0	0	1	4
TENNESSEE—																			
Glenwood	10	9	5	5	10	9	8	17	17	90	0	2	0	1	2	7	21	10	43
Knoxville	4	11	2	7	11	20	25	9	0	89									
KENTUCKY—																			
Danville	9	2	2	4	6	35	18	7	7	90	1	0	0	0	0	12	21	15	49
Millersburg	9	0	2	3	15	8	4	21	21	83									
Springdale	4	2	0	3	6	36	11	7	21	90									
OHIO—																			
College Hill	0	1	0	1	3	16	26	6	25	78	2	1	0	0	6	4	14	2	29

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Germantown	0	6	0	1	1	37	1	22	0	68	0	1	0	0	0	21	1	16	42
Granville	0	4	1	1	0	35	19	3	19	82	0	0	0	0	0	6	8	2	16
Hillsborough	1	2	0	10	5	28	0	14	0	60	0	0	0	0	1	5	3	6	15
Jackson	14	2	11	2	5	16	29	7	4	90	1	0	0	0	1	6	35	6	49
Marietta	3	0	0	2	14	8	11	4	36	78	0	0	0	1	6	9	13	4	33
Mount Vernon	0	0	0	0	6	16	37	0	27	86	0	0	0	0	0	11	47	0	58
Norwalk	1	1	0	1	16	31	17	11	1	79	5	3	1	0	0	23	13	23	68
Oberlin	1	1	0	1	16	31	17	11	6	84	1	0	0	0	1	12	40	13	67
Perrysburg	3	9	26	12	8	2	25	5	0	90	----	----	----	----	----	----	----	----	----
Zanesville	5	1	0	4	5	39	21	15	0	90	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Winchell]	4	2	0	6	9	33	15	15	6	90	4	2	0	0	2	11	37	25	81
Ann Arbor, [Woodruff]	9	2	2	4	6	35	18	7	7	90	2	1	0	0	1	9	39	17	69
Battle Creek	4	2	0	0	16	31	17	18	2	90	4	2	0	0	0	20	30	29	85
Brest	1	21	0	2	0	10	1	55	0	90	----	----	----	----	----	----	----	----	----
Cooper	1	0	3	3	0	3	58	8	14	90	0	0	3	2	0	0	46	11	62
Detroit	26	6	1	0	4	13	17	14	7	88	----	----	----	----	----	----	----	----	----
Flint	8	0	2	0	20	28	12	15	0	85	----	----	----	----	----	----	----	----	----
Grand Rapids	3	5	4	0	3	21	28	2	22	88	3	0	0	0	0	4	15	9	31
Grand Traverse	4	0	3	6	21	5	38	7	5	89	4	0	3	5	20	3	33	5	73
Monroe, [Whelpley]	1	21	0	3	0	10	1	54	0	90	----	----	----	----	----	----	----	----	----
St. James	6	3	4	7	8	19	1	39	3	90	2	2	1	0	2	17	10	38	72
INDIANA—																			
Madison	----	----	----	----	----	----	----	----	----	----	2	5	6	0	1	29	26	18	87
Milton	3	2	2	2	0	14	19	13	35	90	0	1	0	0	0	4	1	5	11
New Harmony	5	2	2	6	9	11	20	14	0	69	0	0	0	0	1	0	2	1	4
Richmond	2	5	0	13	6	20	12	6	7	71	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	4	6	0	7	1	30	1	33	0	82	0	0	0	0	0	7	9	36	52
Augusta	4	7	0	3	3	23	25	22	3	90	0	4	0	0	0	4	8	6	22
Manchester	7	1	2	2	6	0	13	12	0	43	7	1	2	2	6	0	13	12	43
Ottawa	8	2	1	1	9	33	17	19	0	90	3	1	0	0	0	4	4	19	31
Upper Alton	3	4	1	1	8	38	14	17	0	86	----	----	----	----	----	----	----	----	----
MISSOURI—																			
Hannibal	14	1	3	1	35	6	13	12	4	89	14	0	1	0	2	3	1	18	39
St. Louis	8	1	0	9	12	12	35	13	0	90	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	35	3	0	1	7	15	18	11	0	90	10	0	0	0	1	2	3	3	19
Ceresco	1	2	0	1	3	13	22	18	3	63	----	----	----	----	----	----	----	----	----
Janesville	6	3	0	0	5	24	18	28	6	90	----	----	----	----	----	----	----	----	----
Madison	7	0	1	0	19	16	12	28	5	88	0	0	0	0	1	2	3	5	11
Milwaukie	3	7	2	5	2	19	15	35	2	90	0	0	0	0	0	0	0	2	2
Platteville	2	0	1	5	10	17	32	23	0	90	1	0	0	2	0	8	51	17	79
IOWA—																			
Dubuque	26	6	1	0	4	13	17	14	7	88	4	1	0	0	1	4	2	29	41
Fort Madison	3	11	0	5	13	14	2	42	0	90	6	0	0	0	3	4	10	31	54
Keokuk	19	3	10	1	1	1	28	1	24	88	25	0	1	0	1	0	7	0	34
Muscatine	0	7	0	2	0	24	4	53	0	90	0	0	0	0	0	24	0	9	33
Pella	8	0	0	0	23	8	30	21	0	90	----	----	----	----	----	----	----	----	----
Poultney	10	2	2	5	13	10	16	20	10	88	4	0	0	0	0	1	8	15	28
MINNESOTA—																			
St. Anthony's Falls	0	0	0	1	16	19	16	38	0	90	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento, [Logan]	20	8	3	7	0	10	4	38	0	90	----	----	----	----	----	----	----	----	----
Sacramento, [Hatch]	11	2	0	35	5	12	8	47	0	120	----	----	----	----	----	----	----	----	----
Stockton	0	0	0	6	0	15	39	120	0	180	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Truxillo, Honduras	3	0	4	0	0	0	14	7	20	48	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	5	2	2	1	4	2	2	13	0	31	----	----	----	----	----	----	----	----	----

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NOVA SCOTIA—																			
Halifax	17	4	0	5	7	15	13	20	1	82	----	----	----	----	----	----	----	----	----
CANADA EAST—																			
St. Martin's	0	25	1	2	1	10	6	26	22	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	3	6	3	12	4	2	1	36	17	84	3	5	2	10	2	2	0	23	47
Fryeburg	10	7	3	0	3	11	6	11	27	78	0	0	0	0	0	12	17	10	39
Perry	11	7	1	3	8	11	16	36	0	93	8	9	1	3	6	12	17	10	66
Steuben	6	40	0	2	0	16	6	18	5	93	6	0	0	0	0	21	6	10	43
NEW HAMPSHIRE—																			
Concord	2	17	0	5	0	36	0	33	0	93	----	----	----	----	----	----	----	----	----
Exeter	13	7	0	2	0	16	44	11	0	93	12	7	0	2	0	14	33	6	74
Great Falls	7	18	0	0	1	13	12	33	0	84	1	0	0	2	0	4	6	1	14
Hanover	20	5	0	7	8	14	0	39	0	93	0	0	0	1	0	6	1	10	18
Londonderry	4	9	4	2	0	4	3	37	30	93	1	0	0	0	1	3	14	3	22
Manchester	20	6	3	3	0	11	14	34	0	91	11	4	5	1	1	7	34	14	77
Salmon Falls	9	10	2	0	0	11	15	33	13	93	0	0	0	1	2	4	10	5	22
VERMONT—																			
Brandon	28	1	2	3	25	4	1	20	8	92	4	0	0	0	0	2	4	4	14
Burlington	15	11	3	1	34	3	9	15	1	92	1	0	0	0	1	0	0	0	2
Castleton	35	0	0	0	23	8	2	5	20	93	0	0	0	0	0	2	2	1	5
St. Johnsbury	0	1	0	0	0	24	0	65	0	90	0	0	0	0	11	0	19	0	30
MASSACHUSETTS—																			
Amherst	10	10	2	12	3	7	5	31	1	81	0	0	0	0	0	3	3	5	11
Mendon	3	24	2	0	0	27	4	33	0	93	1	24	2	0	0	24	9	32	92
Nantucket	7	5	3	7	0	16	4	41	10	93	----	----	----	----	----	----	----	----	----
New Bedford	12	9	2	2	2	22	7	37	0	93	2	0	0	2	0	6	6	6	22
Newburyport	30	6	0	6	9	6	16	15	0	88	----	----	----	----	----	----	----	----	----
North Attleboro'	21	4	6	2	6	18	13	23	0	93	11	9	3	2	7	13	14	10	69
Princeton	3	18	10	0	0	9	26	27	0	93	1	3	0	0	0	4	12	10	30
Richmond	0	24	0	3	1	21	0	44	0	93	1	17	0	4	4	20	1	30	77
Southwick	7	15	1	1	8	5	6	13	8	64	1	0	0	0	0	9	2	3	15
Springfield	9	8	0	1	0	8	0	26	41	93	3	7	0	0	1	2	3	21	40
Taunton	3	7	4	9	4	17	13	34	2	93	3	7	5	7	2	17	12	10	63
Westfield	33	11	2	2	3	4	15	18	0	88	----	----	----	----	----	----	----	----	----
Williamstown	11	2	6	7	8	6	9	13	13	75	1	0	2	6	2	3	4	8	26
Worcester	2	16	1	2	0	28	2	42	0	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	6	1	0	5	12	14	14	9	0	61	----	----	----	----	----	----	----	----	----
Pomfret	10	14	0	1	1	25	3	39	0	93	6	13	0	1	1	25	5	19	70
Saybrook	16	11	4	1	0	9	17	34	1	93	1	1	0	0	4	5	16	18	45
West Cornwall	3	8	1	8	3	20	9	40	0	92	----	----	----	----	----	----	----	----	----
NEW YORK—																			
Angelica	1	8	2	10	7	31	20	15	0	94	2	1	0	1	4	20	39	12	79
Baldwinsville	6	7	13	5	1	11	11	34	0	88	2	0	0	1	0	1	28	31	63
Beaver Brook	9	4	11	12	3	8	12	31	1	91	----	----	----	----	----	----	----	----	----
Beverly	1	26	0	6	4	20	7	24	1	89	3	3	0	4	6	20	15	10	61
Buffalo, [Salisbury]	11	8	6	2	4	18	6	21	3	79	2	1	1	0	1	11	11	7	34
Canton	3	18	2	0	1	35	5	22	4	90	1	16	2	0	1	31	5	18	74
Fishkill	6	5	2	2	1	4	4	3	3	30	----	----	----	----	----	----	----	----	----
Gouverneur	15	22	0	1	7	32	4	12	0	93	5	16	0	0	10	25	9	11	76
Lodi	4	0	5	15	9	18	12	25	5	93	0	0	0	0	1	1	16	7	25
New York city	12	34	0	0	0	33	15	92	0	186	----	----	----	----	----	----	----	----	----
New York city, [Deaf and Dumb Institution]	0	8	0	1	1	11	25	38	9	93	1	2	1	0	3	19	32	19	77
Penn Yan	4	3	2	0	26	16	22	20	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	18	15	0	7	3	16	11	22	1	93	4	3	0	4	4	18	15	19	67
Smithville	12	27	7	2	17	11	12	5	0	93	22	5	2	0	14	24	10	14	91
Spencertown	27	6	0	3	31	10	4	12	0	93	7	4	0	0	8	7	15	14	55
Wampsville	0	3	16	6	10	8	34	12	0	89	0	3	16	5	10	10	33	11	88
NEW JERSEY—																			
Bloomfield	6	18	0	0	0	25	0	44	0	93	----	----	----	----	----	----	----	----	----
Burlington	6	16	0	0	0	11	32	16	12	93	5	3	0	0	0	4	5	2	19
Lambertville	3	20	1	0	2	14	3	42	0	85	----	----	----	----	----	----	----	----	----

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	3	0	19	11	45	0	78	0	0	0	3	0	16	7	40	66
Gettysburg	13	10	0	2	14	13	4	25	12	93	0	0	0	1	1	8	15	28	53
Harrisburg	3	0	6	12	8	5	12	45	0	91	0	0	0	1	3	1	5	23	33
Lima	6	18	2	2	1	10	3	31	19	92	0	0	4	1	0	5	18	12	40
Morrisville	16	14	1	0	0	23	10	19	10	93	2	3	4	0	0	5	28	25	67
Moss Grove	1	0	1	2	8	15	15	7	8	57	1	0	0	0	0	12	46	1	60
Norristown	0	3	4	5	3	10	27	26	0	78	0	1	2	0	0	8	41	6	58
Philadelphia	9	16	0	0	2	23	11	32	0	93	0	0	0	0	0	2	4	3	9
Pittsburg	1	0	1	7	4	12	4	12	12	53	0	2	0	4	0	0	0	0	6
Pocopson	9	3	2	3	0	4	31	39	0	91	0	0	1	0	0	2	2	2	7
West Haverford	2	5	2	1	0	7	10	22	13	62	1	1	0	0	0	0	6	14	22
DELAWARE—																			
Newark	2	2	0	1	0	7	7	22	0	41	1	1	0	0	0	2	1	5	10
MARYLAND—																			
Bladensburg	2	1	6	1	2	13	4	20	0	49									
Frederick	12	7	2	2	3	14	13	24	15	92	2	0	0	0	2	2	42	9	57
Schellman Hall	0	1	0	2	1	8	64	17	0	93	0	2	0	1	0	9	61	6	79
VIRGINIA—																			
Alexandria	20	10	0	4	22	10	3	23	0	92									
Ashland	12	0	0	0	14	8	2	4	53	93	0	0	0	0	0	2	17	7	26
Crichton's Store	19	2	2	0	26	21	15	5	3	93	12	0	0	0	0	33	24	1	70
Lewisburg	0	0	0	0	0	0	8	2	0	10	1	0	0	0	0	0	20	2	23
Montcalm	0	8	1	0	5	17	18	2	0	51	0	1	0	0	0	3	10	1	15
Winchester	0	0	0	0	0	0	19	5	0	24	0	0	0	0	0	0	19	5	24
NORTH CAROLINA—																			
Chapel Hill	19	7	2	9	11	11	14	20	0	93	1	0	0	2	4	22	10	10	49
Thornbury	7	5	4	1	8	15	23	10	18	91	6	0	0	0	1	6	18	1	32
SOUTH CAROLINA—																			
All Saints	15	4	1	6	15	30	14	6	2	93	4	2	1	0	1	19	12	5	44
Camden	13	18	0	6	0	18	12	22	3	92	3	1	0	1	1	8	13	16	43
St. John's	7	9	0	10	4	15	2	15	0	62									
Columbia	0	0	1	2	3	2	5	8	0	21									
GEORGIA—																			
Savannah	9	4	11	5	7	6	26	25	0	93	0	0	0	2	3	2	4	3	14
Sparta	1	19	5	3	0	18	5	40	0	91	0	0	0	1	2	12	13	2	30
The Rock	0	0	0	0	0	0	0	5	0	5									
Whitemarsh island	9	10	5	0	4	11	7	26	0	72	1	0	1	0	4	5	2	12	25
FLORIDA—																			
Cedar Keys	14	19	4	3	2	11	7	20	13	93	4	11	3	0	1	6	10	12	47
Jacksonville	19	10	2	1	6	20	8	12	14	92	0	5	5	4	4	8	3	1	30
Key West	22	15	7	4	0	2	4	5	3	62									
Warrington	15	17	3	4	2	16	4	29	3	93	4	11	3	5	1	13	5	33	75
ALABAMA—																			
Greene Springs	7	3	11	4	8	5	20	8	20	86	3	0	0	0	1	4	9	8	25
Tuscaloosa	3	11	2	16	1	6	7	22	12	80									
MISSISSIPPI—																			
Garlandsville	2	1	5	8	3	17	8	49	0	93	2	1	1	9	4	17	7	22	63
Oxford	1	2	7	19	6	19	25	14	0	93	4	0	6	10	12	6	6	6	50
LOUISIANA—																			
New Orleans	16	14	13	6	9	8	11	12	3	92	2	0	0	1	3	3	13	4	26
TEXAS—																			
Austin	44	1	0	1	17	12	7	8	3	93	8	0	3	0	14	15	3	10	53
New Wied	40	3	0	2	1	14	9	16	8	93	1	0	3	1	0	0	0	4	9
TENNESSEE—																			
Glenwood	3	14	0	6	10	15	4	21	20	93	0	2	0	1	1	13	14	10	41
Knoxville	13	17	13	1	15	17	10	7	0	93									
KENTUCKY—																			
Ballardsville	7	1	3	8	24	26	19	5	0	93	1	0	0	0	0	2	2	3	8
Danville	2	2	0	3	22	26	20	18	0	93	0	0	0	0	1	17	18	14	50
Millersburg	8	0	0	0	5	6	6	6	62	93									
OHIO—																			
Gallipolis	2	0	0	0	3	1	2	2	0	10									
Germantown	4	7	0	2	1	39	2	29	7	91	2	6	0	2	0	26	0	19	55
Granville	10	1	1	2	9	38	14	18	0	93	3	1	0	0	0	5	0	4	13

NO. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Hillsborough	1	2	0	11	0	27	0	22	0	63	0	0	0	0	0	4	2	7	13
Madison	9	3	3	12	28	16	13	9	0	93	11	2	2	7	34	12	13	5	86
Marietta	0	0	0	0	4	8	9	12	58	91	0	0	0	0	4	3	19	3	29
Mount Vernon	0	0	0	0	2	10	39	0	39	90	0	0	0	0	0	7	44	0	51
Norwalk	8	4	1	0	32	13	42	10	13	123	6	4	0	0	0	15	13	26	64
Oberlin	7	0	3	2	14	31	8	28	0	93	2	0	0	0	0	5	31	10	48
Perrysburg	24	12	23	7	5	3	12	3	0	89	----	----	----	----	----	----	----	----	----
Zanesville	2	0	0	9	2	43	8	29	0	93	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	6	5	5	15	5	27	8	18	3	92	3	2	0	2	1	10	23	19	60
Ann Arbor, [Winchell]	7	2	13	5	10	25	13	15	3	93	12	3	6	0	4	12	29	12	78
Battle Creek	4	2	13	8	11	22	11	14	8	93	4	3	5	3	0	13	36	19	83
Cooper	5	2	19	2	5	5	41	3	11	93	1	5	17	0	1	1	29	15	69
Detroit	8	22	8	1	3	33	11	7	0	93	----	----	----	----	----	----	----	----	----
Flint	17	4	0	6	22	15	8	12	0	84	----	----	----	----	----	----	----	----	----
Grand Traverse	7	11	1	6	12	47	8	27	2	121	2	3	0	0	25	13	32	6	81
Monroe, [Whelpley]	0	7	0	7	1	24	3	51	0	93	0	4	0	4	1	26	1	57	93
Monroe, [Young]	0	3	0	9	15	39	10	17	0	93	----	----	----	----	----	----	----	----	----
St. James	15	8	2	10	2	16	9	24	7	93	5	1	1	1	3	10	4	28	53
INDIANA—																			
Madison	----	----	----	----	----	----	----	----	----	----	0	8	0	4	2	38	8	12	72
Milton	2	6	0	1	3	17	7	10	43	89	2	1	0	0	0	3	6	3	15
New Harmony	6	1	0	5	12	14	14	9	0	61	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	3	3	1	22	0	20	7	29	0	85	0	1	0	3	0	9	8	30	51
Augusta	0	5	3	17	9	20	11	20	8	93	1	2	0	2	3	3	7	10	28
Manchester	11	1	2	7	16	4	5	16	31	93	10	1	1	2	3	6	4	12	39
Ottawa	10	5	2	12	4	32	8	16	4	93	1	1	0	1	0	12	2	19	36
Upper Alton	45	1	0	1	16	12	7	8	3	93	----	----	----	----	----	----	----	----	----
MISSOURI—																			
Hannibal	13	0	15	5	27	8	7	9	0	84	7	0	0	0	0	5	6	9	27
St. Louis	1	1	3	23	7	19	25	13	1	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	19	7	6	11	10	17	5	18	0	93	1	0	4	5	4	4	0	8	26
Janesville	5	3	0	15	5	20	10	22	13	93	----	----	----	----	----	----	----	----	----
Milwaukie	2	7	2	10	0	22	18	31	1	93	----	----	----	----	----	----	----	----	----
Platteville	5	2	7	20	4	13	13	29	0	93	5	2	5	13	1	9	12	22	69
IOWA—																			
Dubuque	15	6	3	3	11	9	5	10	29	91	2	1	1	0	0	1	3	17	25
Fort Madison	9	6	8	13	5	22	6	30	0	93	3	1	4	0	0	14	17	13	52
Keokuk	17	0	12	1	16	2	17	1	27	92	23	0	4	1	2	0	5	0	35
Muscatine	4	7	8	6	6	16	13	33	0	93	0	0	0	2	4	12	3	5	26
Pella	6	2	0	6	31	1	36	11	0	93	----	----	----	----	----	----	----	----	----
Poultney	5	3	8	10	6	4	8	13	17	74	1	2	0	0	0	1	1	4	9
Quasqueton	7	9	1	17	6	18	4	22	1	85	0	0	0	0	0	0	2	4	6
MINNESOTA—																			
St. Joseph	21	1	0	0	17	6	16	13	14	88	8	0	0	0	1	1	7	14	31
CALIFORNIA—																			
Sacramento, [Hatch]	5	1	0	52	4	5	4	53	0	124	----	----	----	----	----	----	----	----	----
Sacramento, [Logan]	9	5	9	13	3	0	1	53	0	93	----	----	----	----	----	----	----	----	----
Stockton	0	0	0	0	0	141	9	36	0	186	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Truxillo, Honduras	3	2	5	1	0	0	25	2	13	51	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	6	2	4	7	6	0	3	6	0	34	----	----	----	----	----	----	----	----	----

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1854.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
NOVA SCOTIA—													
Albion Mines	2.677	5.075	2.835	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CANADA EAST—													
St Martin's	2.855	2.545	3.648	8.339	3.418	8.304	0.174	2.265	6.167	4.844	5.540	1.886	49.985
MAINE—													
Biddeford	.....	5.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carmel	2.200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fryeburg	3.450	.....	.....	.....	6.583	2.667	1.666	.....	.....	2.625	.....	.....	.....
Perry	.....	1.800	3.100	3.500	4.700	4.320	1.310	0.570	3.700	7.200	13.000	4.000	.....
Steuben	.....	.....	3.010	.....	5.200	4.800	2.200	0.450	5.300	3.400	3.250	6.000	.....
Windham	.....	8.750	14.500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW HAMPSHIRE—													
Concord	?	?	2.250	?	3.080	2.250	1.708	0.250	6.875	2.250	?	?	.....
Exeter	.....	.....	.....	.....	.....	.....	.....	0.100	.....	.....	.....	.....	.....
Great Falls	.....	.....	.....	.....	.....	2.595	1.560	0.216	5.132	3.615	7.794	.....	.....
Hanover	2.876	2.772	2.183	4.505	3.455	3.921	1.242	0.116	5.325	2.459	3.506	2.210	34.570
Londonderry	2.770	4.670	3.000	5.090	3.040	2.220	2.290	0.000	.....	4.100	8.300	3.900	.....
Manchester	2.905	5.403	2.311	5.774	3.602	2.247	2.465	2.500	5.295	2.562	7.561	2.374	42.999
Salmon Falls	2.714	3.802	3.415	4.067	2.094	2.153	1.647	0.189	5.524	3.112	6.130	1.908	36.750
VERMONT—													
Burlington	1.820	1.650	1.690	3.600	1.620	2.880	1.600	0.610	4.440	2.260	2.170	1.110	25.450
Craftsbury	19.750	22.750	.....	9.500	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Johnsbury	1.860	3.010	1.920	4.010	1.500	1.740	0.530	0.900	3.730	0.850	2.320	.....	.....
MASSACHUSETTS—													
Amherst	2.977	4.938	3.105	8.328	4.460	1.751	3.525	0.988	5.458	2.305	7.120	2.390	47.345
Mendon	.....	12.500	0.600	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nantucket	2.101	4.885	1.159	5.954	2.479	2.022	4.827	2.195	7.803	3.108	5.846	5.057	47.430
New Bedford	1.770	5.040	1.910	6.070	3.170	2.690	6.610	0.210	7.440	1.320	8.590	3.020	47.840
North Attleboro'	3.410	5.265	2.916	6.723	4.030	2.320	2.150	2.900	6.165	3.150	2.098	4.553	45.680
Newburyport	2.550	1.925	3.129	2.435	2.950	1.851	1.804	?	2.175	2.674	4.600	3.300	.....
Princeton	2.390	5.790	3.160	7.710	2.350	3.140	3.380	0.220	5.070	2.650	8.100	2.270	46.260
Richmond	4.150	8.517	9.150	1.830	7.862	8.125	4.250	1.875	5.715	7.125	8.872	?	.....
Southwick	1.990	4.230	2.080	10.950	4.920	2.900	3.220	0.880	5.410	3.310	7.590	3.330	50.840
Springfield	2.770	4.870	2.280	7.790	4.100	1.850	7.470	0.880	4.540	2.440	8.130	3.250	50.370
Westfield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.090	.....
Williamstown	.....	.....	.....	.....	.....	.....	.....	.....	5.860	1.930	4.710	1.100	.....
Wood's Hole	3.062	9.725	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worcester	2.820	6.630	3.450	6.690	6.780	3.050	5.680	0.350	5.530	5.030	9.820	3.340	59.170
RHODE ISLAND—													
North Scituate	.....	.....	.....	7.610	4.450	2.010	.....	.....	.....	.....	.....	.....	.....
Providence	1.800	4.850	2.850	6.300	3.600	3.600	2.450	0.300	6.100	1.900	9.150	3.350	37.100
CONNECTICUT—													
Pomfret	3.940	7.150	1.810	6.700	3.460	5.430	3.390	0.530	5.710	2.450	9.630	6.940	57.140
Salisbury	1.032	.....	.....	7.500	4.584	2.868	5.328	0.888	5.004	27.120	.....	.....	.....
Saybrook	.....	3.750	.....	7.000	.....	2.000	5.000	.....	.....	1.875	8.625	4.370	.....
West Cornwall	2.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW YORK—													
Beaver Creek	.....	.....	5.750	.....	4.500	3.925	2.450	1.825	7.025	2.975	5.400	0.500	.....
Canton	23.500	12.500	10.500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chatham	1.100	2.800	.....	14.000	.....	.....	.....	.....	.....	.....	.....	.....	.....
Falconer	2.900	3.000	2.600	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gouverneur	2.620	0.300	2.000	2.600	1.350	3.500	0.100	1.850	4.750	4.900	2.800	2.210	28.980
Houseville	2.460	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lodi	0.880	1.188	1.062	4.375	1.562	2.000	2.062	0.688	1.620	1.125	1.062	2.560	20.184
Madrid	1.620	2.400	2.600	4.210	2.540	3.650	0.260	.....	5.880	2.720	.....	.....	.....
New York city	2.230	1.425	4.810	10.110	4.280	2.290	2.810	1.060	4.150	2.750	4.390	2.130	42.435
New York city. [Deaf & Dumb Institution]	2.230	4.810	1.425	10.110	4.280	2.290	2.810	1.750	4.150	2.750	4.390	2.130	43.225
Penn Yan	1.060	1.250	1.890	4.110	1.470	1.690	0.600	1.890	1.510	1.500	1.360	1.330	19.660
Sag Harbor	3.380	3.860	3.430	10.080	3.600	2.870	5.650	0.600	11.690	2.220	9.410	5.730	61.920
Smithville	2.820	8.460	2.400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencertown	.....	.....	.....	.....	.....	.....	3.681	0.853	.....	1.686	3.638	2.472	.....
Troy	2.185	2.538	2.514	5.841	1.943	3.083	2.615	1.105	.....	.....	.....	.....	.....
NEW JERSEY—													
Bloomfield	1.110	4.899	1.193	10.244	3.753	1.559	3.681	0.743	3.331	2.364	3.889	0.815	37.581
Newark	1.790	5.020	.....	.....	16.520	2.100	3.580	1.125	.....	2.440	.....	.....	.....
Lambertville	1.890	6.375	1.320	6.517	4.408	4.950	5.058	1.262	2.495	2.755	3.320	2.745	43.135

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1854—Continued.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
PENNSYLVANIA—													
Bedford	1.392	1.238	1.441	2.833	0.984	1.182	1.367	0.485	.....	2.628	0.880	1.130	.....
Brookville	.....	.....	.....	.....	.....	.....	3.150	0.700	2.900	2.300	.....	.....	.....
Bustleton	1.080	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Byberry	2.628	4.940	1.476	7.241	.....	.....	.....	0.903	2.580	2.795	3.183	.....	.....
Ceres	2.100	1.100	1.700	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gettysburg	3.620	3.599	1.895	5.370	3.315	2.840	1.620	0.905	2.460	1.270	3.630	2.700	33.224
Harrisburg	3.500	15.000	0.793	5.309	3.164	5.228	2.510	3.165	0.743	3.570	3.122	9.000	55.102
Lima	3.490	6.170	1.300	6.580	6.550	2.710	4.300	3.020	3.410	1.600	3.370	3.310	45.810
Morrisville	2.600	5.100	1.300	7.300	6.700	5.000	5.600	1.100	2.700	2.100	3.100	2.400	45.000
Moss Grove	2.650	3.400	2.610	5.400	2.710	2.850	1.600	2.500	.....	2.000	3.000	3.600	.....
Norristown	3.340	6.250	1.750	6.450	4.360	4.340	2.770	2.150	3.060	1.960	3.620	3.740	43.790
Philadelphia	2.320	4.200	1.625	8.145	7.299	3.441	3.837	0.918	4.883	1.918	3.460	3.185	45.231
Pittsburg	2.626	2.875	2.343	3.590	2.320	0.700	0.723	0.630	1.915	2.267	1.595	1.680	23.264
Pocopson	3.000	8.660	1.430	6.970	4.300	3.390	3.500	1.540	3.970	1.870	3.570	3.700	45.900
Randolph	.....	.....	.....	.....	.....	3.250	3.500	.....	4.400	4.500	4.550	.....	.....
Sugar Grove	2.900	2.860	2.230	4.150	4.330	.....	.....	.....	.....	.....	.....	.....	.....
Warrior's Mark	.....	.....	1.440	5.840	3.618	5.243	3.942	.....	.....	.....	.....	.....	.....
West Haverford	3.154	.....	1.026	.....	.....	3.548	4.047	1.100	.....	.....	2.760	.....	.....
Youngsville	.....	2.500	11.500	11.250	.....	.....	.....	.....	.....	.....	.....	.....	.....
MARYLAND—													
Frederick	3.264	5.960	1.194	6.200	3.696	1.196	1.606	0.331	1.993	2.474	3.092	1.893	32.899
Schellman Hall	4.312	3.000	.....	4.000	2.250	5.000	2.000	1.910	4.500	3.500	5.750	2.750	.....
DISTRICT OF COLUMBIA—													
Washington	4.232	7.598	1.118	5.379	2.944	2.339	1.094	.....	.....	.....	.....	.....	.....
VIRGINIA—													
Alexandria	3.584	6.211	1.535	5.028	3.444	2.482	0.658	1.642	2.896	2.077	3.714	1.756	35.027
Ashland	4.396	2.471	5.427	6.564	1.370	2.520	2.859	1.057	1.012	3.504	1.763	2.405	35.248
Crichton's Store	8.350	6.650	2.050	5.250	4.300	4.350	0.950	4.850	0.300	2.400	1.400	3.500	43.950
Huntersville	.....	.....	12.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lewisburg	2.600	3.000	4.300	2.425	0.532	1.483	1.700	.....	.....	.....	.....	.....	.....
Lynchburg	.....	5.600	5.200	3.700	2.700	5.800	.....	1.600	2.600	.....	.....	.....	.....
Montcalm	.....	.....	.....	.....	.....	.....	4.370	.....	1.500	1.625	2.875	1.500	.....
New Creek Depot	.....	3.300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portsmouth	11.020	4.320	2.790	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Smithfield	.....	.....	.....	.....	.....	.....	6.804	2.545	1.639	2.320	3.958	2.444	.....
NORTH CAROLINA—													
Jackson	2.641	3.626	2.831	3.743	2.039	1.714	2.762	.....	.....	.....	2.410	2.149	.....
SOUTH CAROLINA—													
Aiken	.....	.....	.....	.....	6.128	2.601	11.427	1.429	6.259	0.359	0.769	1.244	.....
All Saints	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.790	1.730	.....
Camden	7.070	4.100	2.310	3.408	4.950	6.189	8.270	4.500	6.100	2.530	0.960	1.190	51.577
St. John's	4.470	2.700	0.110	1.950	4.630	3.970	6.910	6.950	8.000	1.980	1.290	1.490	44.450
Whitemarsh Island	2.150	2.630	1.060	2.700	6.090	6.060	6.430	4.480	5.760	0.230	2.600	0.990	41.180
GEORGIA—													
Augusta	.....	.....	.....	.....	.....	.....	4.338	.....	.....	.....	.....	.....	.....
Culloden	8.960	7.940	2.830	1.500	3.070	2.930	.....	.....	.....	.....	.....	.....	.....
Savannah	2.528	2.530	2.030	1.985	6.516	3.830	7.982	4.522	7.457	0.482	2.394	0.978	43.144
Sparta	7.370	6.100	2.000	3.400	4.620	2.220	4.190	3.370	7.900	1.350	0.660	1.170	44.350
FLORIDA—													
Cedar Keys	5.375	2.130	0.625	5.250	0.218	4.670	3.860	6.375	3.427	3.438	3.312	0.937	39.617
Jacksonville	3.020	2.150	1.310	4.350	4.450	5.800	6.670	8.900	10.400	1.500	3.550	4.200	56.300
Key West	1.750	3.150	1.030	2.380	0.950	5.280	3.950	3.900	8.830	1.510	0.200	8.450	41.380
Knox Hill	2.530	6.239	3.135	1.769	3.406	5.472	2.815	5.399	2.583	3.826	1.408	1.420	39.912
Warrington	3.750	6.000	2.500	9.333	1.688	2.815	3.600	4.250	2.312	3.312	3.312	0.125	41.997
ALABAMA—													
Greene Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.870	.....
Monroeville	7.500	7.500	4.000	1.625	3.562	4.000	4.600	3.312	4.625	1.500	.....	1.250	.....
Tuscaloosa	5.645	.....	.....	.....	.....	3.671	2.177	2.509	4.161	3.022	2.615	1.361	.....
Wewokaville	12.750	8.812	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MISSISSIPPI—													
Lake Washington	.....	.....	.....	.....	.....	.....	1.700	0.090	.....	.....	.....	.....	.....
Jackson	7.230	5.280	6.390	2.590	4.400	.....	.....	.....	.....	.....	.....	.....	.....
Vicksburg	.....	.....	.....	.....	.....	.....	.....	.....	1.353	.....	.....	.....	.....
LOUISIANA—													
New Orleans	0.662	9.841	4.125	3.705	.....	4.010	29.450	3.480	.....	4.840	1.550	1.160	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1854—Continued.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
TEXAS—													
New Wied	0.270	1.990	0.760	1.070	7.210	3.280	2.020	0.250	4.290	1.600	2.040	0.920	25.700
TENNESSEE—													
Glenwood	5.277	1.751	9.506	1.367	7.010	2.887	2.370	1.256	2.231	5.696	2.388	1.290	43.029
Knoxville	8.300	4.734	3.340	3.410	2.840	7.410	3.610	3.800	1.580	2.890	2.300	2.020	46.234
Lebanon	7.466	1.584	4.147	------	------	------	------	------	------	------	------	------	------
KENTUCKY—													
Danville	5.909	2.044	8.599	3.024	6.970	2.249	------	------	0.314	3.348	3.438	2.557	------
Millersburg	4.700	3.070	7.500	1.100	5.370	1.880	------	------	0.026	3.880	2.630	1.340	------
Springdale	4.920	3.050	10.260	2.080	5.460	3.810	1.600	1.560	1.920	5.190	3.910	2.440	46.200
OHIO—													
College Hill	4.012	5.188	9.055	2.759	5.613	2.746	4.450	1.470	1.325	2.995	3.685	------	------
Gallipolis	------	------	------	12.650	8.650	0.875	1.910	2.116	1.325	3.190	1.652	2.555	------
Geneva Hall	------	1.650	5.250	5.250	3.160	------	------	------	------	------	------	------	------
Germantown	3.706	4.393	5.972	4.566	10.465	1.951	3.371	1.369	1.087	2.800	3.425	1.327	44.431
Granville	2.850	3.250	3.900	3.860	5.580	4.040	2.350	1.500	0.820	8.280	3.410	1.850	41.690
Keene	2.660	------	------	------	------	------	------	------	------	------	------	------	------
Marietta	2.645	2.235	3.532	2.690	2.064	3.432	1.960	3.070	1.508	3.860	1.760	3.455	32.211
Mount Vernon	1.750	2.450	3.350	4.310	3.150	------	------	------	------	------	------	1.350	------
Norwalk	------	------	------	------	------	------	------	------	------	2.940	1.400	1.560	------
Oberlin	0.960	3.150	2.960	4.270	3.480	1.950	2.440	1.070	0.650	3.430	1.630	2.030	27.960
Perrysburg	------	------	------	5.125	3.562	3.000	5.750	------	4.440	------	2.687	2.250	------
Savannah	------	------	3.376	5.558	5.641	4.460	2.750	1.763	2.365	------	------	------	------
Urbana	3.610	3.760	5.410	5.750	6.020	2.800	1.670	1.990	1.970	4.460	2.620	1.290	41.350
Yankeetown	------	------	------	------	------	5.250	------	1.75	------	------	------	------	------
Zanesville	------	------	------	------	6.250	------	2.139	2.243	0.566	6.097	1.987	1.408	------
MICHIGAN—													
Ann Arbor, [Winchell]	------	------	------	------	------	------	------	------	------	------	0.926	1.626	------
Ann Arbor, [Woodruff]	2.080	1.100	2.030	3.150	3.150	4.480	2.290	0.190	3.680	3.670	1.940	1.650	26.260
Battle Creek	1.630	0.720	0.165	1.400	3.400	5.680	1.070	0.700	4.000	4.070	1.890	1.010	25.735
Brooklyn	2.780	------	2.020	------	------	------	------	------	------	------	------	------	------
Cooper	------	------	------	------	------	6.478	1.107	0.708	------	------	------	------	------
Detroit	3.155	1.744	3.530	5.408	3.282	3.070	2.821	1.383	8.748	7.089	3.672	2.594	46.496
Flint	------	------	------	2.340	2.115	3.652	1.225	1.524	2.233	3.033	1.652	1.115	------
Grand Rapids	------	------	------	1.560	5.060	5.500	2.420	0.150	1.340	3.330	1.970	------	------
Monroe, [Whelpley]	6.200	7.812	3.750	------	------	------	------	------	------	------	------	------	------
St. James	------	------	1.750	------	3.625	------	3.375	3.250	2.000	1.292	1.000	------	------
INDIANA—													
Green Castle	1.150	1.000	------	------	------	------	------	------	------	------	------	------	------
Kendallsville	------	3.400	3.060	6.368	6.504	6.925	7.075	2.980	4.383	------	------	------	------
La Fayette	------	------	------	------	5.900	------	------	------	------	------	------	------	------
Logansport	------	------	------	------	------	------	1.625	3.312	------	------	------	------	------
New Harmony	2.700	3.520	7.880	3.030	3.155	2.160	0.178	4.170	0.560	4.310	2.650	1.270	35.575
Richmond	2.420	4.000	4.385	4.430	5.735	2.345	2.485	1.570	3.385	4.050	2.300	1.500	38.605
ILLINOIS—													
Athens	1.250	2.010	2.160	3.580	7.660	3.840	1.760	1.330	1.250	3.760	1.090	1.440	30.730
Batavia	------	------	0.375	0.133	2.600	2.050	3.100	------	------	------	------	------	------
Manchester	------	------	------	------	------	------	1.010	3.299	------	5.280	1.024	1.187	------
Upper Alton	1.400	0.171	2.261	1.135	3.198	0.212	0.010	0.860	2.121	------	0.067	1.024	------
MISSOURI—													
Hannibal	0.312	1.906	3.810	3.359	4.500	4.500	1.249	1.843	1.900	2.906	0.500	0.890	27.675
St. Louis	1.180	3.110	7.490	7.600	6.300	3.210	0.920	1.860	1.440	4.150	1.910	1.490	40.630
WISCONSIN—													
Beloit	1.150	1.600	1.850	------	------	------	------	------	------	------	------	------	------
Ceresco	------	------	------	------	------	------	8.620	3.470	2.520	2.790	6.500	------	------
Janesville	1.190	7.000	1.400	1.310	4.450	5.500	7.700	1.200	1.220	3.500	0.250	1.750	36.470
Milwaukie	------	------	1.330	2.070	3.730	5.760	6.150	0.970	2.810	3.600	0.430	2.030	------
Platteville	10.750	9.000	0.750	------	------	8.000	9.000	3.000	3.000	------	------	3.000	------
IOWA—													
Dubuque	2.050	1.190	1.110	0.490	5.490	5.720	4.060	2.020	1.790	3.240	0.520	0.090	27.770
Fort Madison	2.900	10.800	3.100	2.470	5.670	2.650	0.770	1.040	6.170	4.400	1.340	4.950	46.260
Muscatine	1.500	1.250	1.120	1.760	6.210	0.660	2.220	3.330	1.130	4.220	0.090	0.410	23.900
Poultney	0.266	0.730	2.550	1.172	6.065	5.980	6.510	2.377	1.800	5.030	0.382	0.340	33.202
Quasqueton	0.470	0.521	1.334	0.317	6.638	5.671	3.824	2.294	2.160	2.333	------	0.195	------
St. Mary's	------	1.250	------	------	------	------	------	------	------	------	------	------	------
MINNESOTA—													
Lac qui Parle	------	------	------	------	2.500	------	7.000	2.250	------	------	------	------	------
St. Anthony's Falls	0.80?	0.05?	2.480	4.130	5.370	2.690	4.660	2.050	3.190	------	0.700	------	------

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1854—Continued.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
CALIFORNIA—													
Sacramento, [Hatch]	------	------	------	------	------	------	------	------	1.02	0.67	2.20	------	-------
Sacramento, [Logan]	------	------	------	1.50	0.21	0.31	0.05	sprinkle.	1.01	0.65	1.15	------	-------
San Francisco	4.25	8.41	3.17	3.31	0.02	0.40	0.00	slight shower	slight shower	2.12	0.40	0.88	-------
Stockton	2.64	8.94	3.60	3.24	0.33	1 00	------	------	-----	0.31	0.01	0.23	-------
SOUTH AMERICA—													
Assumption, Paraguay	7.37	5.91	5.62	5.79	1.17	1.55	0.76	1.59	------	------	------	------	-------
EASTERN CONTINENT—													
Mosul, Mesopotamia	2.19	3.12	1.55	1.74	0.13	.08	------	------	------	0.23	0.67	3.31	13.02

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1854.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches*
Canada East	St. Martin's	29.71	Dec. 23	7 a. m.	30.59	Jan. 12	9 p. m.	28.54	2.05
Canada West	Hamilton (*a*)	29 68	Nov. 4	9 p. m.	30.22	Nov. 25	9 a. m.	28.75	1.47
Maine	Carmel	29.60	Dec. 23	2 p. m.	30.47	Dec. 4	9 p. m.	28.46	2.01
New Hampshire	Concord	29.61	Dec 23	9 p. m.	30.40	Dec. 4	9 p. m.	28.52	1.89
	Hanover	29.42	Feb. 25	9 p. m.	30.08	Dec 4	2 p. m	28.41	1.67
	Manchester	29.99	Feb. 25	9 p. m.	30.70	Dec. 4	9 p. m.	28.93	1.77
Vermont	Burlington	29.59	Dec. 23	7 a. m.	30.35	Jan. 12	9 p. m.	28.73	1.62
						March 17	9 p. m.		
						Dec. 4	2 p. m.		
	St. Johnsbury	29.24	Dec. 23	7 a. m.	29.99	Dec. 4	9 p. m.	28.29	1.70
Massachusetts	Amherst	29.73	Dec. 23	2 p. m.	30.53	Dec. 4	7 a. m.	28.69	1.84
	Nantucket	29.98	Jan. 8	9 p. m.	30.80	Dec. 4	2 p. m.	29.02	1.78
	New Bedford	29.99	Jan. 3	7 a. m.	30.67	Dec. 4	2 p. m.	28.87	1.80
	North Attleboro'	9.77	Dec. 23	2 p. m.	30.58	Dec. 4	2 p. m.	28.76	1.82
	Princeton	28.80	Oct. 5	2 p. m.	29.64	Dec. 4	2 p. m.	27.76	1.88
	Southwick	29.94	Dec. 23	7 a. m.	30.75	March 16	9 p. m.	29.15	1.69
	Worcester	29.43	Dec 23	2 p. m.	30.16	Dec. 4	2 p. m.	28.34	1.82
Connecticut	Pomfret	28.87	Dec. —	2 p. m.	29.55	Dec. 4	7 a. m.	27.93	1.88
New York	Canton	29.42	Dec. 23	7 a. m.	30.15	March 8	2 p. m.	28.26	1.89
	New York city, [D. & D.I.]	29.88	Dec. 23	7 a. m.	30 69	Dec. 4	7 a. m.	28.97	1.63
	Penn Yan (*b*)	29.21	Oct. 25	9 p. m.	29.73	Nov. 25	7 a. m.	28.39	1.34
			Dec. 23	7 a. m.					
	Sag Harbor	29.72	Dec. 23	2 p. m.	30.52	Dec. 4	7 a. m.	28.71	1.81
New Jersey	Bloomfield	29.86	Dec. 26	7 a. m.	30.61	Dec. 4	7 a. m.	28.91	1.73
	Burlington	29 94	Dec. 23	7 a. m.	30.70	Dec. 3	9 p. m.	29.20	1 50
	Lambertville	29.99	Dec. 23	.....	30.70	Dec. 4	.....	29.13	1.57
Pennsylvania	Gettysburg	29.43	Dec. 23	7 a. m	30.08	Nov. 24	9 p. m.	28.63	1.45
	Harrisburg	29.72	Dec. 23	2 p. m.	30.39	Nov. 24	9 p. m.	28.96	1.43
	Lima	29.85	Dec. 23	7 a. m	30.54	March 17	9 p. m.	29.05	1.49
	Morrisville	30.06	Dec. 23	7 a. m.	30.80	March 17	9 p. m.	29.30	1.50
	Norristown	29.90	Jan. 29	2 p. m.	30.69	Nov. 24	9 p. m.	29.15	1.54
	Philadelphia	29.91	Dec. 23	7 a. m.	30.50	March 7	9 p. m.	29.15	1 35
	Pittsburg, [O. S.]	28.98	Oct. 6	7 a. m.	29.67	Nov. 24	2 p. m.	28.18	1.49
Maryland	Frederick	29.69	April 3	7 a. m.	30.36	Nov. 24	2 p. m.	28.97	1.39
Virginia	Alexandria	30.02	Dec. 23	2 p. m.	30.64	Nov. 25	7 a. m.	29.33	1.31
North Carolina	Chapel Hill	29.49	Jan. 23	2 p. m.	30.07	Nov. 15	9 p. m.	28.95	1.12
South Carolina	Camden	29.89	Jan. 24	7 a. m.	30.48	Nov. 24	2 p. m.	29.23	1.25
Georgia	Savannah	30.06	Jan. 23	7 a. m	30.61	Sept. 8	2 p. m.	29.04	1.57
	Sparta	29.42	Jan. 24	7 a. m.	29.90	Nov. 24	2 p. m.	28.88	1.02
Florida	Jacksonville	30.10	Jan. 2	9 p. m	30.62	Dec. 15	9 p. m.	29.34	1.28
	Key West (*c*)	29.82	Jan. 2	2 p. m.	30.14	Nov. 25	7 a. m.	29.57	0.57
Tennessee	Glenwood	29.57	Jan. 23	7 a. m.	30.35	Jan. 11	9 p. m.	28.91	1.44
	Knoxville	29.04	Feb. 27	2 p. m.	29.84	Jan. 12	2 p. m.	28.19	1.65
Kentucky	Springdale	29.40	Jan. 6	9 p. m.	29.94	Nov. 24	7 a. m	28.66	1.28
Ohio	Germantown	29.22	Jan. 23	7 a. m.	29.96	Jan. 12	7 a. m.	28.58	1.38
	Hillsborough	28.88	Jan. 23	2 p. m.	29.52	Nov. 24	2 p. m.	28.04	1.48
	Oberlin	29.09	Jan. 23	7 a. m.	29.67	Nov. 24	2 p. m.	28.12	1.55
Michigan	Detroit	29.53	Jan. 23	7 a. m.	30.13	Nov. 24	2 p. m.	28.53	1.60
Indiana	Milton	29.04	Jan. 23	2 p. m	29.64	Nov. —	2 p. m	28.12	1.52
	New Harmony	29.72	Jan. 23	7 a. m.	30.46	Nov. 24	7 a. m.	28.93	1.53
Missouri	St. Louis	29.47	Jan. 23	7 a. m.	30.26	Nov. 24	7 a. m	28.84	1.42
						May 17	7 a. m		
Wisconsin	Beloit	29.16	Nov. 4	7 a. m.	29.83	May 17	7 a. m.	28.35	1.48
Iowa	Dubuque	29.31	Jan. 6	7 a. m.	30.00	Nov. 24	7 a. m	28.38	1.62
	Muscatine	29.51	Jan. 22	9 p. m.	30.15	May 17	7 a. m	28.74	1.41
California	Sacramento, [Logan]	30.04	Jan. & Ap.	.....	30.45	May —	.....	29.09	1.45
	Stockton (*d*)	29.51	Dec. 10	7 a. m.	29.90	Jan. 14	7 a. m.	29.12	0.78

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise, 2 p. m., and sunset.
c Observations taken at 7 a. m. and 2 p. m.
d Observations taken at 8 a. m., 2 p. m., and 8 p. m.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1854.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m	2 p. m	9 p. m.	Mean	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	M'n temp		
CANADA EAST—	°	°	°	°		°		°		°		°	°	
St. Martin's	36.43	50.20	39.15	41.93	July 4	98.6	July 8	86.00	Dec. 23	—36.2	Dec. 22	—23.67	134.8	4.23
CANADA WEST—														
Hamilton(*a*)	49 02	.....	48.98	49.00	July	86	Ju'y 20	82.50	Dec.	1	Dec. 19	5.50	85	.....
MAINE—														
Carmel	36.02	50.97	49.42	45.47	Sept. 6	98	July 4	82.70	Dec. 23	—32	Jan. 30	—19.67	130	5.05
NEW HAMPSHIRE—														
Concord	40.19	52.25	41.52	45 65	Sept. 6	94	July 3	84.30	Jan. 30	—25	Jan. 31	— 7.67	119	4.25
Exeter	38.73	51 92	41.65	44 10	July 4	92	July 5, 9	80.00	Jan. 29,30	—29	Jan. 25,29	— 6.33	112	4.88
Hanover	35.85	50.11	40.91	42.29	Sept. 6	90	Aug. 4	78.10	Jan. 29	—29	Jan. 29	—17.83	119	5.85
Manchester	39.72	56.16	47 24	47.71	July 20	104	July 4	86.30	Jan. 30	—20	Jan. 29	— 7.67	123	5.28
Salmon Falls	41.63	53 95	44.28	46.62	Sept. 6	98	July 4	85.50	Jan	—22	Jan. 29	— 4.00	120	4.91
VERMONT—														
Brandon	39 35	50.94	43.08	44.46	July 20	92.3	July 20	82.90	Dec. 23	—20	Dec. 22	—11.00	112.3	5.05
Burlington	41.80	52.41	43.33	45.85	July 20	98	July 4	85.00	Dec. 20	—20	Dec. 22	—14.33	118	3.21
Castleton	41.30	54.79	43.76	46.28	July 20	102	July 20	90.00	Dec. 22	—20	Dec. 22	—10.67	122	5.13
St. Johnsbury	37.98	47.93	39.96	41 96	Sept. 6	93	July 4	80.00	Jan. 29	—32	Jan. 29	- 20.50	125	3.86
MASSACHUSETTS—														
Amherst	42.32	53.74	45.28	47.11	July 4	94	July 4	85.10	Jan. 29	— 9.6	Jan. 29	— 3.20	103.6	4.89
Mendon	42.07	52.95	44.71	46.59	July 4	98	July 4	83.10	Jan. 29	— 8	Jan. 29	0 00	106	5.05
Nantucket	48.96	53.77	48.35	50.36	July 19	89	July 5	77.70	Jan. 29	10	Jan. 25	12.86	79	4.96
New Bedford	45.69	54.66	46.48	48.94	July 5	92.5	July 5	82.20	Jan. 29	— 4.5	Jan. 29	6.17	97	6.37
North Attleboro'	43 56	54.65	44.25	47 49	July 4	95.8	July 4	85.90	Jan. 29	— 8.3	Jan. 29	— 0 30	104.1	4.86
Princeton	40.82	49.53	42.71	41.02	Jul.4,S 6	89.5	July 4	81.20	Jan. 29	— 3.9	Dec. 22	2.33	93.4	4.95
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.78
Springfield	41.46	56 00	45.86	47.81	July 21	95	July 4	87.00	Jan. 29	—12	Jan. 29	1.33	107	.....
Worcester	43.43	53.56	46.30	47.76	July 4	93.5	July 4	87.80	Jan. 29	— 6	Jan. 29	1.33	99 5	4.28
RHODE ISLAND—														
Providence	43.37	55.17	45.12	47.88	July 4	94	July 4	83.70	Jan. 29	— 6	Jan. 29	1.80	100	5.09
CONNECTICUT—														
Pomfret	42.87	52.28	44.41	46.52	July 4	90	July 4	82 70	Jan. 29	— 7	Jan. 29	1.00	97	4.73
Salisbury	43.26	54.31	44.69	47.43	July 9	93	July 4	85.70	Dec. 20	— 7	Dec. 20	0.33	100	.....
West Cornwall	41.03	53.90	44.22	49.72	Sept. 6	91	July 20	82.60	Dec. 20	— 3	Dec. 19	0.33	94	4.65
NEW YORK—														
Baldwinsville	41.90	51.17	45.84	46.30	July 19, 20	88	July 20	81.00	Jan. 29	— 3	Jan. 28	4.00	91	5.26
Canton	40.18	51.63	42.70	44.84	Sept. 5	95	July 17	85.30	Jan. 25	—28	Dec. 22	—17.33	123	5.78
Fishkill(*b*)	46.47	59.61	51.37	53.48	July.	101	.....	.....	Dec	—10	.....	.....	111	.....
Gouverneur	40.14	51.93	42.81	44.96	July 22	97	July 20	86.70	Jan. 25	—36	Dec. 19	—16.00	133	6.15
Lodi	44.20	55.35	45.31	48.29	Aug. 24	94	July 20	86.00	Jan. 28	— 4	Jan. 28	3.00	98	6.04
New York city (*c*)	47.68	58.10	51.33	52.37	July 21	99	July 21	88.20	Dec. 20 Dec. 20	4	Dec. 20	12.00	95	.....
New York city, [Deaf and Dumb Inst.]	49.35	56.60	49.86	51.94	July 21	95	July 20	86.60	Dec. 20	3	Dec. 20	10.00	92	4.86
Penn Yan (*d*)	40.49	55.08	47.46	47.68	July 19, 20 Sept. 5, 6	95	Sept. 6	85.30	Jan. 25	— 4	Jan. 28	6.00	99	5.60
Sag Harbor	47.67	58.65	47.27	51.20	Aug. 22	93	July 4	85.70	Jan. 29 Feb. 5	4	Jan. 29	9.33	89	4.94
Wampsville	42.99	55.54	43.16	47.23	July 8, 20 Sept. 5	91	July 21	84.00	Jan. 25	—11	Dec. 28	0.00	105	6.15
NEW JERSEY—														
Bloomfield	46.31	60.13	48.67	51.70	July 21	101	July 21	87.00	Dec. 20	1	Dec. 20	8.17	100	4.48
Burlington	41.80	52.41	43.33	45 85	July 21	98	July 21	85.00	Jan. 3 Dec. 20	4	Dec. 20	10.00	94	5.86
Lumbertville	46.28	62.77	49.18	52.78	July 21	100	.....	.....	Dec. 20	1	.....	.....	101	.....
PENNSYLVANIA—														
Gettysburg	45.83	61.47	50.51	52.95	July 21 Aug. 25	100	July 21	88.00	Dec. 20	0	Dec. 20	12.00	109	4.46
Harrisburg	50.66	61.11	55.40	55.72	Sept. 5, 6	97	July 21, 22	90.60	Dec. 20	11	Dec. 20	16.67	86	4 65
Lima	47 45	58.96	49.68	52.03	July 21	95	July 7	87.10	Dec. 3	— 1.3	Dec. 20	8 00	96.3	4.91
Morrisville	45.99	59.32	48.92	51.41	July 21	98	July 21	85.00	Jan. 3	2	Jan. 20	11.00	96	3.61
Norristown	48.11	59.38	50.61	52.70	July 21	97	July 21	85.60	Dec. 20	5	Dec. 20	8.67	102	4.65
Paradise	.....	.....	.....	54.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philadelphia	59.68	62.47	51.61	55.93	July 21	99	July 21	91.30	Dec. 20	7	Dec. 20	14.33	92	5.30
Pittsburg. [O. S.]	48.93	58.98	51.77	53.23	July 20, 21	98	Sept. 3	87 70	Jan. 2	2	Jan. 23	4.00	96	.....
West Haverford	47.02	61.18	.....	54.10	July 21	98	July 21	89.50	Dec. 20	3	Dec. 20	11.00	95	4.46
MARYLAND—														
Frederick	49.69	62 10	52.78	54.86	July 21	100	July 21	90.70	Jan. 3	9 8	Dec. 20	18.00	90.2	4.70
Schellman Hall	49.66	62.50	61.22	57.79	Aug. 22	98	July 21	87 60	Dec. 20	5	Dec. 20	14.67	93	4.33
VIRGINIA—														
Alexandria	51.37	62.77	55.26	56.47	July 21	99.5	Aug. 2	90.30	Jan 3, 21	12	Dec. 20	19.00	87.5	4.41
Ashland	51.19	66.10	56 83	58.06	Sept. 4, 5	102	July 21	83 70	Dec. 8	6	Jan. 23	14.33	96	3 82
Crichton's Store(*e*)	56.73	66.86	.....	61.79	Jul.5, A.2	102	Aug. 2	91.00	Jan. 9	19	Jan. 23 ?	?	83	4.67
Lewisburg	49.04	64.36	52.71	55.37	July 20, 21	99	Aug. 1	85 30	Jan. 3	10	Jan. 23	17.33	89	4.83
NORTH CAROLINA—														
Chapel Hill	51 15	69.06	58.76	69.66	June 30 July 6	103	July 5	89.60	Jan. 21	16	Jan. 9	26.00	84	4.58
SOUTH CAROLINA—														
Camden	57.06	72.05	60.67	63.26	June 29	102 6	June 29	93.00	Dec. 6	14	Dec. 5, 21	28.33	88.6	4.79
St. John's (*f*)	57.18	70.61	61.86	63.88	June 28, 29	94	July 9	85.33	?	?	?	?	?	.....
GEORGIA—														
Savannah	60.81	74.35	65.19	66.78	Aug. 3	101.4	Aug. 3	90.30	Dec. 6	24	Jan. 9	39.13	77.4	4.23
Sparta	55 93	73.39	61.63	63.65	Aug. 3	99	July 18	88.00	Dec. 6	18	Dec. 20	29.67	81	4.73
Whitemarsh Island	61.16	70.66	63.55	65.12	July 9	95.5	July 9	87.10	Dec. 6	21	Dec. 5, 20	33.67	75.5	3.97

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 7 a. m., noon, and 6 p. m.
c Observations taken at sunrise, noon, 3 p. m., sunset, and 10 p. m. Mean at noon, 56.94; at sunset, 54.93.
d Observations taken at sunrise, 2 p. m., and sunset.
e Hours of observation not uniform. See monthly tables.
f Observations taken at sunrise, 2 p. m., and 9 p. m.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1854—Continued.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
FLORIDA—														
Cedar Keys	67.68	74.76	70.68	71 04	June 27 Sept. 5	91	Aug. 2,3	83.30	Dec. 6	32	Dec. 20	41.33	59	3.62
Jacksonville	64.88	76.39	67.32	69.53	Aug. 1	96	July 10	89.30	Dec. 6	28	Dec. 20	39.67	68	3.46
Key West	73.64	79.92	.....	76.78	Aug. 4	93	June 11 Aug. 4	85.50	Dec. 6,21	52	Dec. 6,21	55 00	41	1.18
MISSISSIPPI—														
Garland-ville	61.64	78.83	65.57	68.68	July 1 Aug. 4	106	July 1	92.50	Dec. 6	19	Jan. 8	26.67	87	4.30
TEXAS—														
Austin	60.49	75.08	63.73	66.43	Aug 16 Sept. 15	96	June 21	86.70	Jan. 21,22	18	Jan. 6	23.33	78	5.25
New Wied	63.88	64.90	65.06	64.61	July 25 Aug. 18, 19	102	Aug. 6,10	89.60	Jan. 21	21	Jan. 6	22.67	83	5.41
TENNESSEE—														
Glenwood	53.65	66.85	58.14	59 55	Sept. 9	98.2	Aug 1	88.40	Jan. 8	8.8	Jan. 21	13.93	89.4	4.91
Knoxville	52.88	64.18	56.01	57.69	July 18	93.5	June 30	83.00	Jan. 9	8	Jan. 23	17.58	85.5	.....
KENTUCKY—														
Danville	55.11	67.25	58.05	60.14	Sept. 5	99	Sept. 5 Oct. 6	88.00	Jan. 23	5	Jan. 23	12.33	94	.....
Springdale	47.49	66.17	58.74	57.47	Aug. 25	103	Aug. 13	88.20	Jan. 23	— 4	Jan. 23	7.00	107	4.91
OHIO—														
Germantown	41.66	61.57	50.49	51.24	July 20	97.9	July 20	85.50	Jan. 23	— 7.6	Jan. 23	2.00	105.5	5 26
Hillsborough	49.42	60.22	51.71	53.78	July 21	98	Aug. 1 Sept. 4	85.50	Jan. 23	— 5	Jan. 23	4.00	103	3.99
Oberlin	46.87	57.50	48.82	51.06	July 19 Aug. 30	100	July 20 Sept. 2	87.00	Jan. 23	— 4	Jan. 23	3.62	104	4.19
Urbana	45.72	61.32	.....	53.52	Sept.....	98	.....	.....	January.	— 4	.....	....	102	.....
Savannah	49.46	61.25	49.33	53.35	.....	.....	.....	.....	.....	.....	.....	.....	....	.....
MICHIGAN—														
Ann Arbor, [Woodruff]	43.35	54.91	47.51	48.59	Aug. 30	100	Aug. 1	86 60	Dec. 19	—10	Jan. 21	— 7.00	110	5.04
Battle Creek	45.24	61.34	48.31	51.63	Sept. 4	101	July 31	90.00	Jan. 23	—11	Jan. 21	— 1.00	112	4.23
Detroit	48.62	55.87	47.43	50.64	July 19 Aug. 30	96	July 4	87.67	Jan. 23	0	Jan. 23	5.00	96	.....
Flint	43.41	57.69	45.52	48.87	July 19	102	.....	.....	Feb. 4	—15.5	.....	.....	117.5	.....
INDIANA—														
Milton	48.16	60.83	51.08	53.36	Sept. 4	98	July 30	87.70	Jan. 23	— 8	Jan. 23	3.67	106	3.89
New Harmony	52.69	65.73	55.96	58.13	Aug. 3	101.5	Aug. 3	92.50	Jan. 23	0	Jan. 23	9.33	101.5	4.71
Richmond (*a*)	47.18	59.89	46.61	51.23	July 21	100	July 21	87.00	Jan. 20	— 9	Jan. 20	1.00	109	.....
ILLINOIS—														
Athens	48.48	64.43	52.58	55.16	Sept. 1	*b* 99	July 30, 31	89.00	Jan. 23	—12	Jan. 23	0.03	111	4.33
Augusta	46.10	61.67	51.83	53.20	Aug. 31	99.5	Aug. 31	88 30	Jan. 21	—11	Jan. 21	— 0.67	110.5	3.82
Ottawa (*a*)	46.67	60.27	48.12	51.69	Aug. 30 Sept. 4	98	July 31	88.00	Jan. 23	—11	Jan. 21	— 1.33	109	4.70
IOWA—														
Dubuque	44.69	57 85	49.24	50.59	July 2	99	July 31	87.70	Feb. 17	—15	Jan. 22	7.33	114	4.03
Fort Madison (*c*)	47.84	63.27	51.74	55.28	Aug. 1 July 17	105	July 17	95.00	Jan. 21	—12	Jan. 21	6 00	117	4.00
Muscatine	42.47	59.69	47.67	49.94	Aug. 31 Sept. 1	99	July 30	84.67	Jan. 21	—14	Jan. 22	— 4.00	113	3 77
Poultney	41.56	56.15	43.11	46.94	June 23	96	July 31	83.30	Jan. 6	—21	Jan. 22	—12.40	120	4.78
MISSOURI—														
St Louis	52.67	65.45	56.98	58.37	Aug. 1	100.3	Aug. 1	91.40	Jan. 21	— 3	Jan. 21	5.33	103.3	4.25
WISCONSIN—														
Beloit	44.13	57.33	46.32	49.26	Aug. 30	97	July 18	88 00	Jan. 23	—19	Jan. 23	— 9.00	116	3.58
Janesville	41.46	56.80	44.53	47.60	July 18	98	July 18	87.00	Jan. 23	—24	Jan. 21	—13.33	122	4.08
Platteville	44.08	59.55	47.03	48.89	June 23 July 18 Sept. 1	100	July 3	89.10	Jan. 23	—24	Jan. 22	—12.33	124	4.58
CALIFORNIA—														
Sacramento, [Lugan]	.....	.....	.....	59.51	July.....	101.5	.....	.....	January.	19	.....	.....	82.5	.....
San Francisco (*d*)	49.68	64.57	51.59	55.28	Sept.....	87	.....	.....	January.	25	.....	.....	62	.....
Stockton (*e*)	53.26	72.33	57.76	61.12	July 7, 8	98	Aug. 17	86.00	Jan. 7	21	Jan. 21	28 67	77	.....
MEXICO—														
Mirador (*f*)	.....	.....	.....	67.42	.....	.....	May ..	82.62	....	.....	January.	51.12	....	.....
EASTERN CONTINENT—														
Mosul, Mesopotamia	.....	.....	.....	68.05	July.....	109.6	.....	.....	January	30.5	.....	.....	79.1	.....

a Hours of observation not uniform. See monthly tables.
b Same temperature on the 29th, 30th, and 31st of August.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 57.11.
e Observations taken at 8 a. m., 2 p. m., and 8 p. m.
f Hours of observation not given.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1854.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a. m.	2 p. m.	9 p. m.	7 a.m.	2 p.m	9 p m.
CANADA EAST—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches*						
St Martin's	.239	.320	.263	------	------	------	-----	.822	.692	.821	2	21	29
St. Martin's (*a*)	.249	.332	.260	July 4	.986*b*	Dec. 23	.000	.828	.752	.838	6	30	49
VERMONT—													
Burlington	.248	.274	.257	July 21	1.056	Dec. 8, 19	.000*c*	.673	.546	.673	0	6	0
MASSACHUSETTS—													
Amherst	.315	.344	.326	Sept. 6	1.122	Dec. 22	.019	.837	.677	.840	36	19	36
Nantucket	.311	.300	.311	July 26	.813	Dec 31	.000*d*	.757	.621	.786	0	2	0
New Bedford	.337	.402	.345	Aug. 22	1.031	Jan. 29	.029	.910	.787	.921	29	38	46
North Attleboro' (*e*)	.276	.280	.278	Sept. 6	.884	Oct. 21	.000*f*	.817	.581	.803	0	0	0
Princeton	.263	.282	.269	Sept. 6	.796	April 2	.000	.825	.672	.789	0	0	6
Worcester	.250	.280	.262	July 4	.982	Dec. 9	.000*g*	.649	.570	.651	0	0	0
CONNECTICUT—													
Pomfret	.311	.363	.323	July 21	1.033	Dec. 2	.000	.905	.783	.897	52	38	0
NEW YORK—													
New York city, [Deaf and Dumb Inst.]	.307	.334	.323	July 26	.886	Feb. 23	.025	.742	.647	.735	30	24	22
Penn Yan (*h*)	------	.303	------	----------	------	----------	------	------	.547	------	----	11	----
NEW JERSEY—													
Bloomfield	.316	.372	.337	July 20	1.026	Nov. 10,14	.000	.806	.621	.806	38	0	0
PENNSYLVANIA—													
Lima	.333	.361	.350	July 23	.984	Feb 3	.017	.828	.617	.816	12	20	29
Norristown	.334	.406	.356	Sept. 6	1.108	Jan. 23	.019	.802	.648	.774	31	12	20
Philadelphia	.354	.383	.386	Aug. 1	1.024	Dec. 22	.029	.806	.634	.741	31	25	35
SOUTH CAROLINA—													
Camden	.447	.466	.474	June 28	1.313	Feb. 12	.000	.840	.541	.781	36	12	0
St John's	.461	.517	.506	----------	------	----------	------	.843	.621	.821	30	17	10
GEORGIA—													
Savannah	.520	.524	.510	Aug 1	1.052	Dec. 5	.069	.821	.552	.771	38	18	31
FLORIDA—													
Jacksonville	.605	.707	.630	July 1	1.255	Feb 12	.020	.880	.753	.874	34	38	5
TEXAS—													
Austin	.485	.483	.516	Aug. 6	.856	Jan 21	.036	.831	.516	.779	36	10	25
New Wied	.547	.660	.560	July 8	1.345	Jan. 7, 26	.000	.783	.607	.780	18	0	0
TENNESSEE—													
Glenwood	.397	.399	.419	Aug. 19	1.070	Feb.7,15,16	.000	.812	.546	.717	0	0	20
KENTUCKY—													
Springdale	.350	.463	.446	Aug. 23	1.345	Feb. 4	.000	.884	.650	.784	0	14	16
OHIO—													
Germantown	.341	.342	.354	June 29	1.039	Jan. 21	.040	.846	.567	.817	50	25	40
Hillsborough	.350	.365	.350	Aug. 26	1.132	March 17	.032	.847	.620	.788	8	13	11
INDIANA—													
New Harmony	.400	.439	.429	July 8	1.199	March 29	.023	.838	.599	.802	16	1	5
MISSOURI—													
St. Louis	.364	.370	.386	June 30	.971	Jan. 21	.025	.748	.515	.678	37	15	29
IOWA—													
Dubuque	.297	.318	.328	June 27	.137	Jan. 6	.007	.752	.558	.732	28	9	28

a See note for this place in table 26.
b Same amount June 27.
c Same amount January 22, 25, and 29, and February 3, 23, and 24.
d Same amount February 3 and April 5.
e For 11 months only—August wanting.
f Same amount February 2 and March 22.
g Same amount January 28, February 3, March 9, April 2, and November 6.
h For 11 months only—January wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1854.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east	East.	Between south and east.	South.	Between south and west.	West.	Between north and west	Total.
CANADA EAST—																			
St. Martin's	21	294	15	65	23	281	82	281	33	1095	....	....	....	....	....	....	....	....	....
MAINE—																			
Carmel	9	61	16	112	35	128	76	285	132	854	8	46	9	92	21	89	42	145	452
Fryeburg	108	118	63	58	39	277	114	179	39	995	7	6	9	9	12	90	169	225	527
NEW HAMPSHIRE—																			
Concord	54	182	20	187	18	289	6	339	0	1095	....	..	....	....	....	....	....	....	....
Exeter	68	124	68	101	33	214	214	204	8	1034	43	92	46	71	23	160	136	119	690
Hanover	162	57	12	155	120	178	62	343	4	1093	25	4	5	16	22	45	55	96	268
Manchester	140	51	105	61	124	161	166	254	2	1065	42	40	71	23	42	51	413	96	778
VERMONT—																			
Brandon	268	2	16	44	406	52	45	149	83	1065	53	1	0	6	43	58	131	132	424
Burlington	333	45	16	42	137	26	95	98	2	1094	....	....	....	....	....	....	....	....	....
Castleton	283	7	8	28	244	106	36	62	317	1091	....	....	....	....	....	....	....	....	....
St Johnsbury	14	5	2	13	11	291	81	655	0	1072	....	....	....	....	....	....	....	....	....
MASSACHUSETTS—																			
Amherst	61	50	24	270	53	104	50	398	6	1016	8	17	4	25	21	64	54	167	360
Mendon	23	163	33	39	17	495	50	275	0	1095	18	161	35	36	20	482	54	255	1061
Nantucket	59	182	17	103	82	286	56	210	85	1080	....	....	....	....	....	....	....	....	....
New Bedford	79	155	18	87	52	356	64	256	7	1074	....	....	....	....	....	....	....	....	....
North Attleboro'	141	92	44	32	216	135	128	181	0	969	80	84	24	34	108	122	138	124	714
Princeton	35	208	48	37	29	127	255	238	7	984	12	53	11	8	11	59	182	113	449
Richmond	5	122	1	113	23	368	3	433	9	1074	21	87	2	99	43	277	25	259	813
Southwick	34	141	12	47	105	83	25	137	99	683	3	34	1	14	20	107	62	65	306
Worcester	17	137	9	90	8	306	24	502	0	1093	....	....	....	....	....	....	....	....	....
CONNECTICUT—																			
Pomfret	65	182	21	59	101	286	55	326	0	1095	29	112	8	43	57	224	63	178	714
West Cornwall	47	56	35	159	50	259	118	339	1	1064	....	....	....	....	....	....	....	....	....
NEW YORK—																			
Baldwinsville	56	35	95	44	34	151	197	377	0	989	17	5	2	6	4	37	330	299	700
Canton	48	226	9	20	23	480	36	132	38	1012	25	168	7	14	18	398	31	92	753
Gouverneur	126	199	3	8	51	402	120	186	0	1095	71	151	2	1	40	236	265	102	868
Lodi	74	28	25	168	121	159	130	282	105	1092	19	7	2	5	41	71	207	168	520
New York city	103	385	84	202	273	356	252	512	17	2184	....	....	....	....	....	....	....	....	....
New York city, [Deaf & Dumb Institution]	42	184	47	142	32	140	203	266	9	1065	12	53	63	53	22	139	314	122	778
Penn Yan	56	140	10	14	290	197	295	93	0	1095	....	....	....	....	....	....	....	....	....
Sag Harbor	73	165	56	106	120	270	79	201	11	1081	28	81	19	39	30	343	153	165	858
Wampsville	9	17	106	95	178	106	162	112	4	1089	8	18	98	91	151	110	410	100	986
NEW JERSEY—																			
Bloomfield	22	199	9	82	78	332	74	189	0	985	....	....	....	..	....	....	....	....	....
Burlington	121	151	15	12	46	232	228	96	185	1086	33	74	9	8	36	94	61	15	330
Lambertville	36	162	15	93	44	251	17	318	0	936	....	....	....	....	....	....	....	....	....
PENNSYLVANIA—																			
Gettysburg	96	122	20	30	140	274	123	193	93	1091	16	24	7	14	33	149	237	215	695
Harrisburg	29	19	65	197	87	50	246	331	0	1024	7	0	7	49	32	20	123	176	414
Lima	78	189	53	96	75	99	50	230	238	1108	35	40	21	25	21	29	204	221	687
Morrisville	113	155	46	61	43	247	78	210	142	1095	54	65	14	20	18	141	218	184	714
Norristown	5	58	104	107	30	113	393	160	2	972	4	23	81	37	17	95	398	48	703
Philadelphia	87	189	41	49	44	338	103	242	0	1093	19	9	2	13	13	94	98	43	291
West Haverford	27	72	41	25	29	181	79	167	98	719	27	27	13	5	7	51	85	178	393
MARYLAND—																			
Frederick	82	106	32	58	145	199	159	181	114	1076	46	14	13	18	59	94	353	87	684
Schellman Hall	40	28	10	40	61	205	542	166	0	1092	26	19	24	32	31	90	603	40	865
VIRGINIA—																			
Alexandria	123	155	39	103	276	124	58	200	0	1078	....	....	....	..	..	....	....	....	....
Ashland	145	47	23	23	229	212	107	71	192	1079	23	2	1	0	32	47	94	23	222
Crichton's Store	216	86	16	37	214	345	87	14	27	1072	81	58	12	25	55	386	210	45	872
Lewisburg	....	....	....	....	....	....	....	....	....	.....	18	2	1	3	16	74	207	12	333
NORTH CAROLINA—																			
Chapel Hill	152	110	48	34	156	194	261	133	0	1091	34	55	22	13	111	228	114	51	628
SOUTH CAROLINA—																			
Camden	75	183	90	90	108	164	88	82	44	924	17	68	14	40	25	140	92	88	484

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—																			
Savannah	135	79	86	186	203	124	126	144	0	1083	----	----	----	----	----	----	----	----	----
Sparta	14	299	46	97	19	222	55	312	0	1064	6	62	8	43	16	136	53	114	438
Whitemarsh Island	66	172	32	71	188	134	83	114	189	1049	20	82	14	46	43	88	62	108	463
FLORIDA—																			
Cedar Keys	82	201	161	74	73	122	179	108	62	1052	32	155	135	59	66	92	116	76	731
Jacksonville	71	318	24	129	55	291	36	116	54	1094	17	157	33	79	19	254	72	61	692
Key West	142	150	153	149	33	14	28	44	17	730	----	----	----	----	----	----	----	----	----
Warrington	114	160	35	196	111	208	32	202	37	1095	37	84	17	157	64	181	80	277	897
MISSISSIPPI—																			
Garlandsville	29	165	51	199	42	241	103	242	22	1094	19	110	35	158	38	224	79	110	773
TEXAS—																			
Austin	257	88	29	166	326	59	18	86	85	1114	117	63	29	183	224	141	36	83	876
New Wied	296	83	102	203	102	49	35	59	165	1094	28	5	47	19	28	12	22	66	227
TENNESSEE—																			
Glenwood	68	115	38	95	163	133	68	116	293	1089	33	38	34	29	39	172	260	91	696
OHIO—																			
Germantown	41	130	14	110	49	160	18	184	7	1013	16	55	1	63	23	399	18	123	698
Hillsborough	17	116	12	102	38	285	24	139	1	734	5	13	0	5	7	123	28	87	268
Oberlin	117	90	36	51	133	241	155	131	103	1057	33	17	23	10	19	80	425	63	670
MICHIGAN—																			
Ann Arbor, [Woodruff]	55	97	88	158	73	259	124	107	112	1073	27	32	20	18	29	105	360	183	774
Battle Creek	37	65	116	84	153	245	168	109	117	1094	25	40	26	15	17	263	353	156	895
Detroit	43	202	107	65	101	386	96	68	0	1068	----	----	----	----	----	----	----	----	----
Flint	161	48	18	62	220	149	148	96	0	902	----	----	----	----	----	----	----	----	----
Monroe, [Whelpley]	4	188	43	93	18	163	26	556	0	1091	----	----	----	----	----	----	----	----	----
INDIANA—																			
Milton	48	114	15	59	18	198	89	96	453	1090	12	14	5	8	2	93	45	35	214
New Harmony	96	35	28	77	165	102	84	101	2	690	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	17	128	15	272	12	251	20	242	9	966	12	39	1	58	8	142	201	271	732
Augusta	50	119	96	158	130	159	147	145	81	1085	18	29	17	29	35	55	131	43	357
Ottawa	71	168	45	122	95	302	92	156	44	1095	31	36	4	24	26	160	90	129	500
MISSOURI—																			
Hannibal	161	36	171	39	305	91	86	71	96	1056	96	17	33	17	105	83	125	84	560
St. Louis	55	76	89	290	121	141	172	150	1	1095	----	----	----	----	----	----	----	----	----
IOWA—																			
Dubuque	163	115	52	57	97	160	110	127	179	1060	36	35	10	12	24	72	92	177	458
Fort Madison	71	124	46	234	106	213	27	270	0	1091	54	32	23	23	35	148	239	111	665
Muscatine	33	144	13	238	57	258	92	260	0	1095	2	23	7	32	26	225	66	61	442
Poultney	80	61	103	100	109	133	134	122	157	999	22	21	12	22	19	74	180	70	420
WISCONSIN—																			
Beloit	140	118	75	110	171	231	119	128	0	1092	37	27	12	25	44	69	63	28	305
Janesville	58	139	31	117	110	221	148	123	148	1095	----	----	----	----	----	----	----	----	----
Platteville	71	67	113	201	99	140	181	187	3	1062	42	40	46	63	21	111	305	140	768
CALIFORNIA—																			
Sacramento, [Logan]	91	49	39	163	174	205	73	307	0	1101	----	----	----	----	----	----	----	----	----

No. 55.—WINDS—MEAN VELOCITY FOR THE YEAR 1854.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west	West.	Between north and west.	Total.
CANADA EAST—																		
St. Martin's	2.48	3.85	2 57	2.54	3.36	2.47	4.11	5.06	3.57	.....	.....	.....	.....	.....	.....	.....	.....	.....
MAINE—																		
Carmel	16 66	7.85	5.59	5.20	4.85	6.10	6.08	11.20	6.94	18 50	8.83	4.89	5.07	4.90	7.48	6.29	13 06	8.83
Fryeburg	3.97	2 59	2.96	7.02	5.46	5.82	2.53	12.18	5.86	2 40	3.33	4.75	10.00	4.50	3.35	2.70	2 86	3.11
NEW HAMPSHIRE—																		
Concord	3.10	3 97	1.70	4.09	4.50	3.56	4.83	7.64	5.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exeter	12.54	13.68	10.12	10.77	10.15	11.46	10.21	11.74	11.33	11.10	14.39	11.48	9 76	7.10	10.33	11.20	13 55	11.56
Hanover	2.38	3 35	0.33	1.87	1.13	2.41	2.87	4.24	2.81	24.78	32.50	32.40	27.44	29.86	17.36	20.46	24.03	23.27
Manchester	3.32	3.27	2.85	2.95	2.40	2.74	3.75	4.73	3.46	3.55	5.02	4.10	8.22	7.24	4.39	3.88	5.37	4.21
VERMONT—																		
Brandon	2.71	2.00	2.00	6.16	5.13	2.24	2.63	3.73	2.92	4.87	2.00	?	2.00	2.74	2.76	2.18	2.17	2.61
Burlington	4.34	5.17	6.12	4 17	10.88	6.26	14.07	8.69	8 30	.....	.....	.....	.....	.....	.....	.....	.....	.....
Castleton	8.17	10.29	5.75	7.14	6.11	7.20	8.25	9.55	5.31	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Johnsbury	6.00	2.00	?	?	6.00	4.17	3.45	2.99	3.48	.....	.....	.....	.....	.....	.....	.....	.....	.....
MASSACHUSETTS—																		
Amherst	6.44	7.98	4.09	8.01	7.76	9.87	9.11	11.26	9.31	14.57	28.29	32 50	47.82	50.42	36.54	23.25	26.74	30.69
Mendon	16.78	11.39	6.48	13.92	18.59	8.15	10.54	11.53	10.09	19.29	12.09	7.68	12.22	16.65	7.29	10.81	11.12	9,74
Nantucket	16.53	16.98	23.17	8.57	8.09	10.62	9.95	20.63	12.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Bedford	5.91	7.65	4 56	5.72	7.62	6.03	7.37	8.51	6.91	.....	.....	.....	.....	.. ..	.....	.....	.....	.....
North Attleboro'	3.91	5 07	2.93	5.34	3.29	3.87	7.85	6.43	4.87	4.26	6.17	4.00	8.00	4.02	4.08	3.13	3.81	4 29
Princeton	4.43	3.42	2.94	2.16	5.24	4.29	3.63	4.61	1.11	2 67	2 61	2.91	2.25	2.36	3.66	3.20	3 01	3.09
Richmond	2.00	7.54	25.00	11.47	2.26	9.46	9 66	11.05	9.82	2.20	7.49	4.09	8.75	2.28	6.47	2 43	7.50	6.74
Southwick	6.53	11.67	5.00	9.78	9.13	9.82	13.92	17.71	10.14	27.33	23.12	12.00	22.08	21.18	16 65	10.75	22.33	18.00
Worcester	6.33	16.22	14.50	5.10	12.00	11.93	2.66	12.33	12.72	.....	.... .	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT—																		
Pomfret	3.08	4.22	2.57	3.14	2.46	2.84	3.09	4.60	3.55	2.25	3.54	3.33	3.27	2.71	2.57	2.33	3.91	2.99
West Cornwall	7.67	11.50	7.29	4.85	3.26	4.98	7.00	11.26	7.65	.....	.....	.....	.....	...	.....	.....	.....	.....
NEW YORK—																		
Baldwinsville	6.13	4.34	2.53	5.43	9.55	6.77	4.08	8.98	6.58	8.35	13.00	2.00	18.50	21.75	7.17	3.65	8.53	6.32
Canton	2.85	5.27	4.66	6.85	4.65	6.31	10.08	6.66	5.81	2.48	4.60	5.14	7.08	4.72	5.26	5.42	6.38	5.18
Gouverneur	4.22	4.64	6.67	3.50	8.12	6 32	4.74	4.19	5.39	2.23	2.31	2.00	2.00	2.80	2.78	2.16	2.39	2.42
Lodi	5.87	5.42	4.56	9.31	10.49	10.21	8.01	12.53	9.01	2.63	2.57	3.00	5.20	4.39	3.01	3.04	3.92	3.43
New York city	2.06	2.67	3.17	2.76	2.16	2 07	2.31	3.88	2.74	.....	.....	.....	.....	.....	.....	.....	.....	.. ..
New York city, [Deaf and Dumb Institution]	2.10	4.89	1.43	2.91	2.48	2.46	2 82	5.22	3.62	2.00	4.00	2.00	5.08	2.00	2.00	1.59	3.33	2.31
Sag Harbor	5.42	8.30	4.46	4 95	5.69	7.86	6.62	9.66	7.16	7 54	9.33	14.47	11.41	11.47	6.20	5.03	6.10	6.91
Wampsville	5.00	4.12	4.98	5.11	6.09	5.42	7.00	7.01	6.26	2.50	3.22	3.59	3.91	5.05	4.18	4 79	4.54	4.49
NEW JERSEY—																		
Bloomfield	6.00	8.91	?	5.70	4.40	4.50	13.50	8.91	7.62	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burlington	8.72	8.83	7.33	5.75	10.31	7.20	9.62	8.64	6.76	13.64	13.07	6.78	4.00	15.42	8.95	10.54	9.57	11.26
PENNSYLVANIA—																		
Gettysburg	2.93	2.92	2.11	2.21	2.53	3.57	4.77	6.64	3.63	3.87	5 29	4.29	5.25	4.30	5.06	4.87	6.56	5.40
Harrisburg	3.21	5.00	3.71	3 39	3.33	4.48	3.35	6.22	4.41	2.86	?	2.85	3.31	3.41	3.95	4.45	8.19	5.75
Lima	6.71	7.45	4.00	4.78	5.19	6.74	5.19	11.59	5.95	5.10	10 47	10.26	10.92	12 26	7.87	4 63	6.13	6.73
Morrisville	3.85	5.68	3.42	4.37	6.79	4.37	3.29	5.67	4.15	2.63	8.14	3.43	4.85	11.28	4.01	2.58	4.20	4.10
Norristown	11.40	9 26	4.22	6.12	5.80	4.54	5.04	10.76	6 20	8.00	4.40	4.62	5.76	5.44	5.15	3.84	6.82	4.46
Philadelphia	5.18	4.30	4.73	4.78	4.32	3.45	4.80	6.33	4.64	2.95	8.22	4.00	7.85	8.08	4.85	4.51	6.37	5.21
West Haverford	8.00	12.74	7.95	7.48	4.14	7 69	4.48	10.22	7.25	9.48	14.19	15.54	15.20	15.00	15.67	10 84	11.11	12.04
MARYLAND—																		
Frederick	6.11	6.28	3.45	6.67	6.46	8.44	10.62	14.61	6.90	9.33	16.91	9.33	10.40	6.57	9.20	5.95	9.32	7.60
Schellman Hall	3.70	4.00	3.00	5.95	7.93	4.23	3.65	4.34	4.20	2.92	3.05	2.25	3.69	3.87	3.06	2.48	6.05	2.82
VIRGINIA—																		
Alexandria	5.76	4.04	2.56	3.53	3.40	3.58	3.89	7.46	4.54	.....	.....	....	.....	.....	.....	.....	.....	.....
Ashland	5.03	4.57	?	3.60	3.31	6.68	5.21	4.93	2.80	3.77	4.00	2.00	?	2.87	2.93	3 97	4.00	3.51
Crichton's Store	3.01	2.87	3.00	3.39	3.65	3.77	5.55	5.42	3.61	29.77	27.72	23.58	21.48	33.67	11.89	6.49	12.79	15.22
Lewisburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.91	13.50	4.00	13.67	14.44	9.97	11.33	23.42	11.66
NORTH CAROLINA—																		
Chapel Hill	3.88	3.14	3.00	2.47	3.22	3.34	3.65	4.89	3.60	2.67	2.61	2.55	2.46	3.30	3.23	2.73	2.35	2.96
SOUTH CAROLINA—																		
Camden	7.12	10.05	6.02	5.40	5.84	9.00	10.22	10.71	7.88	11.18	9.28	5.71	8.10	10.04	15.24	11.54	7.61	11.02
GEORGIA—																		
Savannah	5.24	6 64	6.73	6.44	5.16	4.20	4.14	5.72	5.45	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sparta	4.57	6.43	4.74	5.94	4.11	6.96	7.51	7.62	6.76	5.00	11.23	10.75	7.45	9.33	11.08	9.69	7.47	9 49
Whitemarsh Island	7.92	16.56	9.66	8.56	11.17	8.68	7.67	10.53	8.95	6.55	15.12	5.14	6.33	9.91	9.83	6.88	4.93	8.63
FLORIDA—																		
Cedar Keys	8.30	9.66	8.62	6.79	8.90	10.52	10.85	11.50	8.98	4.31	3 92	4.83	4.78	5.61	6.59	6.35	5.64	5.23
Jacksonville	4 23	6.00	5.26	3.91	5.48	6.95	4.85	4.60	5.34	3.69	6.56	3.18	4.12	4.44	5 59	2.70	5.34	5.13
Key West	15.47	12.60	13.77	11.15	13.97	4.29	10 75	12.07	12.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrington	7.57	7.82	9.03	7.29	4.41	7.43	6.55	5.18	6.52	6.93	8.00	17.60	9.46	11.17	7.95	6.60	4.90	7.33
MISSISSIPPI—																		
Garlandsville	10.00	3.73	4.91	4.09	8.11	5.48	4.13	7.76	5.20	8.83	6.17	7.17	4 38	16.83	5.74	5.10	6.32	6.69
TEXAS—																		
Austin	7.45	3 43	3.79	5.05	4.95	5 20	3.11	4.94	5.00	4 10	3.49	3.79	4.20	4.29	3.74	2.29	2.72	3.88
New Wied	9.80	4.10	3.75	6.06	10.07	7 01	5.26	4.75	6.13	4.67	4.80	2.21	3.05	5.14	7.50	2.18	2.09	3.24
TENNESSEE—																		
Glenwood	4.22	3.89	2.32	4.66	5.44	6.74	5.34	9.38	5.65	3.33	4.53	2.21	4.59	4.95	5.03	2.82	4.63	3.89
OHIO—																		
Germantown	2.97	2.69	2.00	2.16	2.12	2.78	3 56	3.31	2.75	2 12	2.41	2 06	2.25	2.70	2.83	2.78	2.46	2.66
Hillsborough	9.44	6.10	5.50	5.26	9.18	9.54	16.50	10.57	8.72	2.00	7.36	?	5.00	10.33	7.43	10.00	5.76	7 07
Oberlin	8.10	9.85	4.53	5.47	7.12	12.25	11.98	12.71	9.17	4.29	22.21	8.52	10.89	7.76	13.92	5.09	10.89	7.61

No. 55.—WINDS—MEAN VELOCITY FOR THE YEAR 1854—Continued.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—																		
Ann Arbor, [Woodruff]	6.07	6.75	3.48	4.34	3.77	8.65	10.14	7.68	6.14	6.28	9.88	5.82	8.35	4.32	6.29	3.91	4.87	4.92
Battle Creek	7.97	10.12	6.78	7.01	4.77	11.22	10.18	10.64	7.93	6.44	7.85	8.46	5.60	7.30	8.38	6.29	7.83	7.32
Detroit	4.77	4.08	2.51	3.32	2.47	4.71	6.31	7.03	4.52	.....	.....	.....	.....	.....	.....	.....	.....	.....
Monroe, [Whelpley]	2.50	7.80	5.02	3.95	6.89	7.40	7.65	7.32	7.02	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANA—																		
Milton	10.08	4.16	2.13	3.42	3.11	5.38	7.22	7.56	3.38	29.18	28.54	22.40	15.87	35.00	28.08	23.53	20.66	25.47
New Harmony	12.91	6.29	8.00	10.62	17.92	11.27	12.00	12.39	11.78	.....	.....	.....	.....	.....	.....	.....	.....	.....
ILLINOIS—																		
Athens	4.47	4.44	4.00	4.28	4.50	4.71	10.84	5.22	4.75	18.80	23.42	12.00	22.02	23.50	12.13	8.82	12.07	12.79
Augusta	5.56	7 19	7.03	6.39	8.60	10.18	9.60	10.68	8.13	5.56	6.03	2.76	3.72	4.65	5.04	3.25	6.05	4.33
Ottawa	5.48	6.27	4.51	5.21	6.85	5.34	9.53	6.77	5.94	7.14	8.29	3.00	5.10	5.00	4.18	5.39	4.98	5.17
MISSOURI—																		
Hannibal	9.78	6.47	4.78	5.41	6.11	9.98	7.95	18.00	7.16	10.23	10.94	7.61	25.00	10.02	11.35	6.69	13.96	10.45
St. Louis	8.00	8.15	9.08	9.76	9.33	9.68	11.71	9.97	10.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
WISCONSIN—																		
Beloit	4.11	5.48	4.35	3.28	4.42	5.94	4.71	4.75	4.80	3.49	6.17	3.00	3.68	3.71	4.44	3.50	4.23	4.14
Janesville	3.15	3.42	2.73	2.85	2.90	3.48	3.53	3.04	2.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platteville	9.82	9.49	8.58	6.51	4.97	7.65	7.83	8.40	7.68	11.62	10.10	7.98	7.13	4.19	7.31	5.01	6.96	6.65
IOWA—																		
Dubuque	11.30	9.68	5.41	3.91	5.73	7 18	7.27	11.02	6.93	17.81	17.54	32.22	16.17	23.78	14.78	13.60	10.80	14.41
Fort Madison	5.15	3.89	2.82	4.90	6.86	6,12	5.33	10.23	6.49	12.57	12.59	12.09	10.17	10.97	8.53	7.83	14.77	10.15
Muscatine	3.67	3.75	3.54	4.23	4.82	3.84	6.01	6.86	4.85	4.00	4.13	3.43	4.28	3.96	3.69	3.68	3.97	3.81
Poultney	3.94	7.60	4.08	4.35	4.36	4.82	7.60	6.59	3.53	5.50	9.68	6.67	8.25	8.61	4.79	4.27	6.68	5.77

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1855.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1855.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Aiken, S. C	33 32	81 34	565	12	H. W. Ravenel.
Alexandria, Va	38 48	77 01	56	12	Benjamin Hallowell.
All Saints, S. C. (*a*)	33 40	79 17	20	12	Rev. A. Glennie.
Amherst, Mass	42 22	72 34	267	12	Prof. E. S. Snell.
Angelica, N. Y	42 15	78 01	1,500	9	Dr. E. M. Alba.
Ann Arbor, Mich. (*b*)	42 15	83 30	-------	12	L. Woodruff.
Ann Arbor, Mich. (*c*)	42 16	83 44	891	12	Prof. A. Winchell.
Annapolis, Md	38 59	76 30	34	2	Dr. A. Zumbrock.
Arcola, Ohio (*d*)	41 55	81 06	-------	2	Miss Ardelia Cunningham.
Ashland, Va	38 38	81 57	-------	9	Samuel Couch.
Athens, Ill	39 52	89 56	-------	12	Joel Hall.
Auburn, Ala	32 37	85 36	-------	11	Prof. J. Darby.
Augusta, Ga	38 28	81 54	-------	8	William Haines.
Augusta, Ill	40 12	90 45	-------	12	Dr. S. B. Mead.
Austin, Texas	30 20	97 46	-------	12	Dr. Samuel K. Jennings, jr.
Baldwinsville, N. Y	43 04	76 41	-------	12	John Bowman.
Ballardsville, Ky	38 24	85 31	-------	3	Dr. John Swain.
Battle Creek, Mich	42 20	85 01	-------	12	Dr. W. M. Campbell.
Bedford, Pa	40 01	78 30	-------	10	Samuel Brown.
Beloit, Wis	42 30	89 04	750	12	Prof. Wm. Porter.
Bellefontaine, Wis	40 20	83 46	-------	1	Joseph Shaw.
Berea, Ohio (*e*)	-------	-------	-------	1	Prof. G. M. Barber.
Beverly, N. Y. (*f*)	41 23	72 12	180	12	Thomas B. Arden.
Blackwell's Island, N. Y	41 14	74 01	-------	1	Dr. Wm. W. Sanger.
Bladensburg, Md	38 57	76 58	-------	11	B. O. Lowndes.
Bloomfield, N. J	40 49	74 11	12	12	Robert L. Cooke.
Boston, Mass	42 22	71 03	-------	10	
Bowling Green, Ky	37 00	86 25	-------	2	J. C. Herrick.
Brandon, Vt	43 45	73 08	-------	12	David Buckland.
Buffalo, N. Y	42 50	78 53	-------	4	Elias O. Salisbury.
Burlington, N. J	40 00	75 12	26	12	Rev. Adolph Frost.
Burlington, Vt. (*g*)	44 29	73 11	346	12	Prof. Zadock Thompson.
Camden, S. C	34 17	80 33	275	12	Dr. J. A. Young.
Camden, Ark	33 32	92 48	-------	1	J. J. McElrath.
Canton, N. Y	44 38	76 15	304	12	E. W. Johnson.
Carlisle, Pa. (*h*)	40 12	77 11	500	1	Prof. W. C. Wilson.
Carmel, Me	44 47	69 00	175	12	John J. Bell.
Castleton, Vt	43 34	73 09	-------	5	D. Underwood.
Cedar Keys, Fa. (*i*)	29 08	83 03	-------	12	Judge Augustus Steele.
Ceresco, Wis	43 50	88 57	917	6	Miss Mary E. Baker.
Chapel Hill, N. C. (*j*)	35 54	79 17	-------	12	Prof. James Phillips.
Charleston, S. C	32 46	79 57	-------	12	Dr. John L. Dawson.
Chestertown, Md	39 14	76 02	-------	6	James Alfred Pearce, jr.
Cheviot, Ohio	39 07	84 34	-------	3	Ebenezer Hannaford.
Cincinnati, Ohio	39 06	84 15	-------	10	Reporter for Boston Telegraph.
Cincinnati, Ohio	39 06	84 25	-------	1	John Lea.
Cincinnati, Ohio (*k*)	39 06	84 25	-------	5	F. W. Hurtt and G. W. Harper.
Cleveland, Ohio	41 35	81 44	-------	8	G. A. Hyde.
Columbus, Miss	33 30	88 29	300	12	James S. Lull.
Concord, N. H	43 12	71 29	374	12	Dr. Wm. Prescott.
Cooper, Mich	42 40	85 31	-------	11	Mrs. Octavia C. Walker.
Craftsbury, Vt	44 40	72 29	1,100	9	James A. Paddock.

* For the different names by which in some cases the same place is designated by the observers, see the General List of Stations in the introduction.

a Waccamaw.
b 3½ miles E.SE. from Ann Arbor.
c University of Michigan.
d Near Buffalo.
e Baldwin's Institute.
f Philipstown.
g University of Vermont.
h Dickinson College.
i Alsena Otie.
j University of North Carolina.
k Woodward High School.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1855.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Crichton's Store, Va	41 20?	77 50?		12	Lieut. R. F. Astrop.
Danville, Ky	37 40	84 31	950	9	O. Beatty.
Dayton, Ohio	39 44	84 10		1	
Detroit, Mich	42 24	83 00	620	12	Rev. George Duffield.
Dubuque, Iowa	42 29	90 50	680	12	Dr. Asa Horr.
Eagle River, Mich	47 26	82 02		1	
East Montpelier, Vt	44 18	72 31		12	B. J. Wheeler.
Easton, Pa (*a*)	40 43	75 16	340	12	Selden J. Coffin.
Exeter, N. H	42 58	70 55		12	Rev. L. W. Leonard.
Fairfield, Iowa	41 01	91 57	940	12	Dr. J. M. Shaffer.
Fishkill, N. Y	41 34	74 18	42	8	William Harkness.
Flint, Mich	42 58	83 39		12	Drs. D. Clark and M. Miles.
Flushing, N. Y	40 46	73 52		6	
Fort Madison, Iowa	40 37	91 28		12	Daniel McCready.
Frederick, Md	39 24	77 18		12	Henry E. Hanshew.
Friendship, Tenn	35 50	89 25		4	Dr. Rt. T. Turner.
Fryeburg, Me	44 03	71 00		12	George B. Barrows.
Gallipolis, Ohio	39 00	82 01	520	12	Dr. G. W. Livesay.
Gardiner, Me	44 11	69 46	75	12	R. H. Gardiner.
Garlandsville, Miss	32 23	89 20		5	Rev. E. S. Robinson.
Germantown, Ohio	39 30	84 20	720	12	L. Groneweg.
Gettysburg, Pa	39 51	77 15		12	Prof. M. Jacobs.
Glenwood, Tenn. (*b*)	36 28	87 13	481	12	William M. Stewart.
Gouverneur, N. Y	44 25	75 35		12	Dr. P. O. Williams.
Grand Rapids, Mich	43 00	86 00	743	12	Alfred E. Currier.
Granville, Ohio	40 04	82 34		12	Prof. S. N. Sanford.
Greene Springs, Ala. (*c*)	32 50	87 46		10	Prof. H. Tutwiler.
Great Falls, N. H	43 18	70 52	250	6	H. E. Sawyer.
Hamilton, Canada	43 15	79 56		6	Dr. Wm. Craigie.
Hannibal, Mo. (*d*)	39 44	91 23		5	O. H. P. Lear.
Harrisburg, Pa	40 16	76 50		12	Dr. John Heisely.
Hillsborough, Ohio	39 13	83 30	1,000	12	Rev. J. McD. Mathews.
Horton, Nova Scotia	45 06	64 25	95	4	A. P. S. Stewart.
Hiram, Ohio	41 20	81 15	765	2	S. S. Hillier.
Jackson, Miss	32 23	90 08		3	Hatch & Co.
Jackson, Ohio	39 07	82 30	700	8	George L. Crookham.
Jackson, Ohio	39 07	82 30		8	M. Gilmor.
Jackson, Ohio	39 07	82 30		2	S. B. Wood.
Jacksonville, Fa	30 15	82 00	14	12	Dr. A. S. Baldwin.
Janesville, Wis	42 42	89 09	768	12	J. F. Willard.
Keokuk, Iowa	40 25	91 21		1	Mrs. Ida E. Ball.
Key West, Fa (*e*)	24 33	81 48	4	12	Wm. C. Dennis.
Knox Hill, Fa. (*f*)	30 30	86 01	148	12	John Newton.
Knoxville, Tenn. (*g*)	35 59	83 54	1,000	6	Prof. T. L. Griswold.
La Grange, Ga	33 02	84 55		1	
Lac qui Parle, Min. (*h*)	45 00	95 30		8	Rev. S. R. Riggs.
Lambertville, N. J	40 23	74 56		12	L. H. Parsons.
Lebanon, Tenn	36 15	86 15		1	Prof. Benjamin C. Jillson.
Lewisburg, Va	37 49	80 28		12	Dr. Thomas Patton.
Lima, Pa. (*i*)	39 55	75 25	196	12	Joseph Edwards.
Lodi, N. Y	42 37	76 53		12	John Lefferts.
Londonderry, N. H	42 53	71 20		10	R. C. Mack.
Lowville, N. Y	43 45	75 38		7	J. Carroll House.
Madison, Ind.				6	C. Barnes.
Madison, Ohio	41 55	81 06	725	1	Miss Ardelia Cunningham.
Madison, Wis	43 05	89 25	892	1	Prof. J. W. Sterling.
Madrid, N. Y	44 43	75 33	280	4	E. A. Dayton.
Manchester, Ill	39 33	90 35	723	12	John Grant.
Manchester, N. H	42 59	71 28	300	12	Hon. Samuel N. Bell.

a Lafayette College.
b Near Clarkesville.
c Havana.
d Dry Ridge.
e Salt ponds, 2¼ miles E. NE. from Key West.
f Orange Hill.
g East Tennessee University.
h Hazlewood.
i Chromedale, near Lima.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1855.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Marietta, Ohio	39 25	81 29	----	5	Prof. J. W. Andrews.
Meadville, Pa	41 39	80 11	----	8	T. F. Thickstun.
Mendon, Mass	42 06	71 34	----	12	Dr. John George Metcalf.
Millersburg, Ky	38 40	84 27	804	9	Rev. G. S. Savage.
Milton, Ia	39 47	85 02	800	12	Dr. V. Kersey.
Milwaukee, Wis	43 04	87 57	593	12	Carl Winkler.
Milwaukee, Wis. (*a*)	43 04	87 59	658	2	F. C. Pomeroy.
Mirador, Mexico	19 50	96 25	3,500	12	Carl Sartorius.
Monroe, Mich	41 56	83 22	590	12	Miss Helen Irene Whelpley.
Monroe, Mich	41 58	83 24	----	2	Capt. A. D. Perkins.
Monroeville, Ala	31 33	87 25	----	7	S. J. Cumming.
Montcalm, Va	38 05	78 21	450	1	Charles J. Meriwether.
Montreal, Canada	45 31	73 33	118	5	Dr. A. Hall.
Morrisville, Pa	40 12	74 53	30	12	Ebenezer Hance.
Moss Grove, Pa. (*b*)	41 40	79 51	----	12	Francis Schreiner.
Mosul, Mesopotamia	36 22	43 14 E.	----	12	
Mount Harris, Me	44 40	69 08½	1,200	----	Louis McLean Tilton.
Mount Vernon, Ohio	40 25	82 31	----	4	F. A. Benton.
Muscatine, Iowa	41 26	91 05	586	12	T. S. Parvin.
Nantucket, Mass	41 17	70 06	30	12	Hon. William Mitchell.
Nazareth, Pa	40 43	75 21	----	1	Hermann Brickenstein.
Newark, Ohio	40 06	82 28	----	5	Lewis M. Dayton.
Newark, Del., [Delaware College]	39 38	75 47	120	4	Prof. W. A. Crawford.
Newark, N. J	40 45	74 10	----	12	W. A. Whitehead.
Nengenenge, Africa	0 00	10 20 E.	?	7	Rev. A. Bushnell.
New Bedford, Mass	41 39	70 56	90	12	Samuel Rodman.
Newburyport, Mass	42 49	70 53	----	12	Dr. H. C. Perkins.
New Harmony, Ia	38 08	87 09	320	12	John Chappellsmith.
New Lisbon, Ohio	40 45	80 46	----	5	
New London, Conn	41 22	72 09	90	10	Rev. Tyron Edwards, D. D.
New Orleans, La	29 57	90 00	----	12	Dr. E. H. Barton.
New Wied, Texas	29 42	98 15	----	12	Prof. L. C. Ervendberg.
New York city (*c*)	40 42	74 01	159	12	Prof. O. W. Morris.
Norristown, Pa	40 08	75 19	153	12	Rev. J. Grier Ralston.
North Attleboro', Mass	41 52	71 23	175	12	Henry Rice.
Norwalk, Ohio	41 13	82 43	----	1	Gustavus A. Hyde.
Oberlin, Ohio	41 20	82 15	800	12	Prof. J. H. Fairchild.
Ogdensburg, N. Y	44 43	75 26	----	11	W. E. Guest.
Oldtown, Me. (*d*)	44 48	68 45	137	8	Rev. Samuel H. Merrill.
Ottawa, Ill	41 20	88 47	----	12	Dr. J. O. Harris.
Oswego, N. Y	43 25	76 35	----	11	Capt. William S. Malcolm.
Ovid, N. Y. (*e*)	42 41	76 52	----	2	J. N. Chickering, jr.
Oxford, Miss. (*f*)	34 20	89 25	300	12	Prof. L. Harper.
Paradise, Pa	40 00	76 08	----	12	Jacob Frantz.
Pella, Iowa	41 30	92 55	----	12	E. H. A. Scheeper.
Penn Yan, N. Y	42 42	77 07	740	12	Dr. H. P. Sartwell.
Perry, Me	45 00	67 06	100	12	William D. Dana.
Perrysburg, Ohio	41 39	83 40	----	12	F. Hollenbeck.
Philadelphia, Pa	39 57	75 11	53	12	Prof. James A. Kirkpatrick.
Pittsburg, Pa., [Oakland Station]	40 32	80 02	850	12	W. W Wilson.
Pittsburg, Pa., [Marine Hospital]	----	----	----	12	Wm. Martin and John Hastings.
Platteville, Wis	42 45	90 00	----	12	Dr. J. L. Pickard.
Pocopson, Pa	39 54	75 37	218	12	Fenelon Darlington.
Pomfret, Conn	41 52½	72 00	1,000	12	Rev. D. Hunt.
Port Gibson, Miss	31 50	91 00	----	1	Prof. J. Boyd Elliott.
Portland, Me	43 37	70 19	----	3	Henry Willis.
Pottsville, Pa	40 41	76 24	----	12	Dr. A. Heger.
Poultney, Iowa (*g*)	42 40	91 21	----	12	Dr. Benjamin F. Odell.
Princeton, Mass	42 28	71 53	1,113	12	Hon. John Brooks.

a Two miles north of the centre of the city.
b Kingsley's.
c Deaf and Dumb Institute.
d Blue Hill.
e Seneca Collegiate Institute.
f University of Mississippi.
g Plum Spring.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1855.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Providence, R. I. (*a*)	41 49	71 25	120	12	Prof. A. Caswell.
Quasqueton, Iowa	42 23	91 43	888	10	Dr. Edwin C. Bidwell.
Randolph, Pa	41 28	80 10	1,720	7	O. T. Hobbs.
Red River Settlement, Hudson's Bay Territory	58 06	97 00	853	7	Donald Gunn.
Red Wing, Minn. (*b*)	44 34	92 30		2	Rev. Jabez Brooks.
Richmond, Mass. (*c*)	42 24	73 20		11	William Bacon.
Richmond, Ohio	40 20	81 01		10	Jacob M. Desellem.
Sacramento, Cal	38 35	121 40		3	Dr. F. W. Hatch.
Sacramento, Cal	38 35	121 40	30	3	Dr. T. M. Logan.
Sag Harbor, N. Y	41 00	72 20	40	11	Ephraim N. Byram.
St. Augustine, Fa	29 54	81 26		1	Dr. P. B. Mauran.
St. James, Mich	45 44	85 27	598	12	James J. Strang.
St. Johnsbury, Vt	44 30	74 01		6	James K. Colby.
St. Joseph, Minn	48 55	98 00		2	O. A. Kellum.
St Louis, Mo	38 37	90 16	482	12	Dr. George Engelmann.
St. Martin, Canada East	45 32	73 36	118	12	Dr. Charles Smallwood.
Salmon Falls, N. H	43 30?	71 00		3	George B. Sawyer.
San Francisco, Cal	38 00	122 00		1	Dr. H. Gibbons.
Saugatuck, Mich	40 30?	85 50?		11	L. H. Streng.
Savannah, Ga	32 05	81 07	42	12	Dr. John F. Posey.
Savannah, Ohio	41 12	82 31		9	Dr. John Ingram.
Saybrook, Conn. (*d*)	41 16	72 20	10	11	James Rankin.
Smithfield, Va	37 00	76 40		12	Dr. John R. Purdie.
Smithville, N. Y	44 00	76 01		12	J. E. Breed.
Southwick, Mass	42 02	4 51	265	12	Amasa Holcomb.
South Thomaston, Me	44 06	69 12		1	Joshua Bartlett.
Sparta, Ga	33 17	83 09	550	12	Dr. and Mrs. E. M. Pendleton.
Spencertown, N. Y	43 19	73 41	800?	12	A. W. Moorehouse.
Springdale, Ky	38 07	85 24	570	11	Mrs. Lawrence Young.
Springfield, Mass	42 06	72 35	199	12	Lucius C. Allin.
Stratford, N. H	44 40	71 34		5	William B. G. Brown.
Steuben, Me	44 44	67 50	50	12	J. D. Parker.
Superior, Wis	46 38½	92 03½	658	7	William H. Newton.
Sykesville, Md. (*e*)	39 23	76 57	700	12	Miss Harriott M. Baer.
Taunton, Mass	41 49	71 09		1	Albert Schlegel.
The Rock, Ga	32 54	84 24	833	12	Dr. James Anderson.
Thornbury, N. C. (*f*)	36 20	77 21		4	Prof. Daniel Morelle.
Toronto, Canada	43 39	79 21		12	Magnetic Observatory.
Tuscaloosa, Ala. (*g*)	33 12	87 28	245?	3	George Benagh.
Unionville, Ohio	41 50	81 00		7	Miss Ardelia Cunningham.
Up Park Camp, Jamaica	17 59	76 56	225	3	Col. W. B. Marlow.
Upper Alton, Ill	39 00	89 36		12	Dr. John James.
Urbana, Ohio	40 06	83 43	1,015	12	Prof. M. G. Williams.
Wampsville, N. Y	43 04	75 50	500	12	Dr. Stillman Spooner.
Warrington, Fa. (*h*)	30 21	87 16	12	12	John Pearson.
Washington, D. C	38 53	77 01	40	12	Smithsonian Institution.
Watertown, N. Y	43 56	74 55		1	Dr. P. O. Williams.
Westfield, Mass	42 06	72 44		12	Rev. Emerson Davis, D. D.
West Haverford, Pa	40 00	75 21		12	Dr. Paul Swift.
Whitemarsh Island, Ga	32 00	81 00	18	12	R. T. Gibson.
Williamstown, Mass. (*i*)	42 43	71 13		12	James Orton.
Winchester, Va	39 15	78 10		9	John W. Marvin.
Windham, Me	43 49	70 17		2	Samuel A. Eveleth.
Wood's Hole, Mass. (*j*)	41 40	70 17	25	3	R. R. Gifford.
Worcester, Mass	42 16	71 48	536	12	Dr. Edward A. Smith.
Zanesville, Ohio	39 58	82 29	700	11	Dr. John G. F. Holston.

a Brown University.
b Hamline University.
c Elmwood.
d Lynde Point.
e Schellman Hall.
f Near Jackson.
g University of Alabama.
h Navy Yard at Pensacola.
i William's College.
Falmouth.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29. 65	------	--------	30. 50	------	--------	28. 80
	St. Martin's	29. 92	8	9 p. m.	30. 72	22	7 a. m.	29. 05
	Toronto	29. 64	------	--------	30. 55	------	--------	28. 72
Maine	Carmel	29. 66	6	7 a. m.	30. 65	27	7 a. m.	28. 83
	Gardiner	29. 92	6	7 a. m.	30. 75	27	7 a. m.	28. 93
	Steuben	30. 14	5	9 p. m.	30. 89	19	2 p. m.	29. 21
New Hampshire	Concord	29. 71	6	7 a. m.	30. 60	26	9 p. m.	28. 61
	Great Falls	29. 60	6	7 a. m.	30. 44	19	2 p. m.	28. 67
	Manchester	30. 09	6	7 a. m.	30. 91	26	9 p. m.	29. 14
Vermont	Burlington	29. 67	5	9 p. m.	30. 49	27	7 a. m.	28. 65
	St. Johnsbury	29. 37	8	2 p. m.	30. 10	27	7 a. m.	28. 30
Massachusetts	Amherst	29. 83	6	7 a. m.	30. 66	26	9 p. m.	28. 76
	Nantucket	30. 11	6	7 a. m.	30. 86	26	9 p. m.	29. 15
	New Bedford	29. 98	6	7 a. m.	30. 75	27	7 a. m.	29. 14
	Newburyport	30. 04	6	8 a. m.	31. 07	26	9 p. m.	29. 09
	North Attleboro'	29. 89	6	7 a. m.	30. 71	26	9 p. m.	28. 87
	Princeton	28. 87	6	7 a. m.	29. 68	26	9 p. m.	27. 88
	Southwick (*b*)	29. 94	6	7 a. m.	30. 83	26	9 p. m.	29. 06
	Westfield	31. 08	6	2 p. m.	31. 50	20	9 p. m.	30. 84
	Williamstown	29. 29	6	7 a. m.	30. 09	26	9 p. m.	28. 29
	Worcester	29. 45	------	--------	30. 17	------	--------	28. 59
Rhode Island	Providence (*c*)	29. 92	6	Sunrise.	30. 65	26	10 p. m.	28. 82
Connecticut	Pomfret	28. 96	6	7 a. m.	29. 70	26	9 p. m.	28. 03
New York	Canton	29. 43	8	2 p. m.	30. 27	27	7 a. m.	28. 56
	New York city	29. 99	8	2 p. m.	30. 72	26	9 p. m.	29. 05
	Oswego (*d*)	29. 57	8	12 m.	30. 35	22	7 a. m.	28. 78
	Penn Yan (*e*)	29. 22	8	Sunrise.	30. 00	22	Sunrise.	28. 39
	Sag Harbor	29. 84	6	2 p. m.	30. 58	26	9 p. m.	28. 91
	Spencertown	29. 02	8	2 p. m.	30. 08	26	9 p. m.	28. 25
New Jersey	Bloomfield	29. 91	8	2 p. m.	30. 66	26	9 p. m.	28. 95
	Burlington (*f*)	30. 10	8	2 p. m.	30. 78	27	9 p. m.	29. 27
	Lambertville	30. 03	8	9 p. m.	30. 78	22	7 a. m	29. 16
	Newark (*g*)	30. 01	------	--------	30. 79	------	--------	29. 23
Pennsylvania	Bedford	29. 15	8	7 a. m.	29. 89	26	9 p. m.	28. 50
	Gettysburg	29. 49	8	7 a. m.	30. 20	22	7 a. m.	28. 78
	Harrisburg	29. 75	6	7 a. m.	30. 40	22	7 a. m.	29. 05
	Lima	29. 93	8	7 a. m.	30. 62	26	2 p. m.	29. 04
	Morrisville (*f*)	30. 18	8	2 p. m.	30. 90	22	7 a. m.	29. 35
	Norristown	29. 99	8	7 a. m.	30. 79	22	2 p. m.	29. 24
	Philadelphia	29. 97	8	2 p. m.	30. 61	26	2 p. m.	29. 16
	Pittsburg, [Oakland Station]	28. 97	8	7 a. m.	29. 79	21	9 p. m.	28. 02
	Pittsburg, [Marine Hospital] (*h*)	28. 97	8	9 a. m.	29. 80	21	9 p. m.	28. 05
	Pottsville	29. 29	8	7 a. m.	30. 05	22	7 a. m.	28. 12
Maryland	Frederick	29. 76	8	7 a. m.	30. 46	21	9 p. m.	29. 01
Dist. of Columbia	Washington	30. 11	8	7 a. m.	30. 81	26	2 p. m.	29. 35
Virginia	Alexandria	30. 09	------	--------	30. 80	------	--------	29. 33
	Montcalm (*i*)	29. 38	------	--------	29. 65	------	--------	28. 78
North Carolina	Chapel Hill	29. 52	8	2 p. m.	30. 07	21	9 p. m.	28. 88
	Thornbury	30. 10	8	7 a. m.	30. 75	26	7 a. m.	29. 36
South Carolina	All Saint's	30. 07	8	2 p. m.	30. 56	28	9 p. m.	29. 44
	Camden	29. 96	8	9 p. m.	30. 49	21	9 p. m.	29. 23
	Charleston	------	------	--------	30. 71	------	--------	29. 64
Georgia	La Grange (*e*)	29. 10	9	Sunrise.	29. 52	21	Noon.	28. 49
	Savannah	30. 12	8	9 p. m.	30. 61	28	2 p. m.	29. 47
	Sparta	29. 48	8	9 p. m.	29. 92	28	2 p. m.	28. 90
	The Rock (*j*)	29. 39	------	--------	29. 80	------	--------	29. 10

a Observations taken at 9 a. m. and 9 p. m.
b Incomplete.
c Observations taken at sunrise, 1 p. m., and 10 p. m.
d Observations taken at 6 a. m., noon, and 6 p. m., and not corrected for temperature.
e Observations taken at sunrise, noon, and sunset.
f Not corrected for temperature.
g Observations taken at 7 a. m. and 5 p. m.
h Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
i For the first 11 days of the month only.
j Observations taken morning, 3 p. m., and evening.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys	29.97	9	7 a. m.	30.30	28	2 p. m.	29.52
	Jacksonville	30.17	8	9 p. m.	30.60	28	2 p. m.	29.58
	Key West	29.82	7	2 p. m.	30.05	27	7 a. m.	29.65
	Knox Hill (*a*)	29.80	30	9 p. m.	30.12	28	2 p. m.	29.31
	Warrington	30.09	9	7 a. m.	30.44	28	7 a. m.	29.57
Alabama	Auburn	29.40	9	7 a. m.	29.83	21	2 p. m.	28.76
	Tuscaloosa	29.91	9	7 a. m.	30.34	21	7 a. m.	29.25
Mississippi	Oxford	29.60	7	9 p. m.	30.12	21	7 a. m.	29.04
Louisiana	New Orleans	30.29	8	9 p. m.	30.86	21	7 a. m.	29.85
Texas	New Wied	29.02	31	7 a. m.	29.60	22	7 a. m.	28.38
Tennessee	Glenwood	29.60	7	9 p. m.	30.23	21	7 a. m.	28.77
	Knoxville	29.07	7	9 p. m.	29.57	21	2 p. m.	28.24
Kentucky	Ballardsville	29.08	8	7 a. m.	29.74	21	2 p. m.	28.21
	Springdale	29.41	7	2 p. m.	30.15	21	2 p. m.	28.52
Ohio	Cincinnati, [Hurtt] (*b*)	29.45	7	9 p. m.	30.19	21	12 m.	28.37
	Germantown	29.23	8	7 a. m.	29.97	21	2 p. m.	28.25
	Granville	28.95	8	7 a. m.	29.72	21	2 p. m.	28.04
	Hillsborough	28.86	8	7 a. m.	29.57	21	2 p. m.	27.92
	Marietta	29.21	8	7 a. m.	29.94	21	2 p. m.	28.41
	Oberlin	29.05	8	7 a. m.	29.89	21	9 p. m.	28.16
	Perrysburg (*c*)	29.33	8	7 a. m.	30.16	21	9 p. m.	28.40
	Urbana	28.74	8	7 a. m.	29.47	21	2 p. m.	27.47
	Zanesville	29.18	8	7 a. m.	29.85	21	2 p. m.	28.29
Michigan	Ann Arbor, [Winchell]	29.01	8	7 a. m.	29.81	24	9 p. m.	28.09
	Detroit	29.48	8	7 a. m.	30.30	21	9 p. m.	28.54
	Monroe, [Perkins] (*d*)	28.89	8	2 p. m.	29.65	21	9 p. m.	28.00
Indiana	Madison	29.47	7	9 p. m.	30.18	21	2 p. m.	28.52
	Milton	29.02	7	9 p. m.	29.67	21	2 p. m.	28.07
	New Harmony	29.67	7	9 p. m.	30.32	21	7 a. m.	28.77
Illinois	Upper Alton	29.44	7	9 p. m.	30.14	21	7 a. m.	28.67
Missouri	St Louis	29.47	7	9 p. m	30.19	21	7 a. m.	28.64
Wisconsin	Beloit	29.16	7	9 p. m.	29.81	21	2 p. m.	28.64
	Ceresco	29.04	9	9 p. m.	29.66	16	9 p. m.	28.55
	Milwaukie	29.22	7	9 p. m.	29.97	21	2 p. m.	28.68
Iowa	Dubuque	29.26	7	9 p. m.	29.93	12	2 p. m.	28.83
	Muscatine	29.49	4	7 a. m.	*e* 29.93	19	2 p. m.	29.10
	Quasqueton	29.05	8	7 a. m.	29.59	27	7 a. m.	28.60
California	Sacramento, [Logan]	29.95	------	--------	30.34	------	--------	29.44
	Sacramento, [Hatch]	30.07	------	--------	30.28	------	--------	29.55

a Observations taken for the last 18 days of the month only.
b Observations taken at 7 a. m., noon, and 9 p. m.
c Observations taken at 7 a. m., 1 p. m., and 9 p m.
d Not correeted for temperature.
e Same height at 7 a. m. and 2 p. m. on the 9th, and 7 a. m. on the 14th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.62	------	--------	30.05	------	--------	29.20
	Toronto	29.62	------	--------	30.09	------	--------	29.17
	St. Martin's	29.82	12	2 p. m.	30.24	3	7 a. m.	29.40
Maine	Carmel	29.49	14	7 a. m.	30.04	3	2 p. m.	29.08
	Gardiner	29.72	14	7 a. m.	30.23	3	2 p. m.	29.36
	Steuben	29.92	13	9 p. m.	*b* 30.49	19	7 a. m.	29.53
New Hampshire	Concord	29.53	13	7 a. m.	*c* 30.05	26	2 p. m.	29.15
	Great Falls	29.42	13	2 p. m.	30.03	3	2 p. m.	29.08
	Manchester	29.91	13	7 a. m.	30.42	26	2 p. m.	29.54
Vermont	Burlington	29.56	28	9 p. m.	30.01	3	2 p. m.	29.15
Massachusetts	Amherst	29.66	13	7 a. m.	30.15	26	2 p. m.	29.29
	Nantucket	29.88	13	7 a. m.	30.39	5	7 a. m.	29.51
	New Bedford	29.74	13	9 p. m.	30.29	15	9 p. m.	29.48
	Newburyport	29.88	13	7 a. m.	30.42	3	2 p. m.	29.53
	North Attleboro'	29.70	13	7 a. m.	30.23	26	2 p. m.	29.34
	Princeton	28.67	13	7 a. m.	29.20	26	2 p. m.	28.30
	Westfield	30.96	13	9 p. m.	31.16	11	9 p. m.	30.80
	Williamstown	29.14	13	7 a. m.	29.59	5	7 a. m.	28.83
	Wood's Hole	29.15	14	7 a. m.	29.63	5	2 p. m.	28.84
	Worcester	29.38	13	7 a. m.	29.87	26	2 p. m.	29.02
Rhode Island	Providence (*d*)	29.71	13	10 p. m.	30.20	5	1 p. m.	29.35
Connecticut	Pomfret	28.80	13	7 a. m.	29.23	26	2 p. m.	28.46
New York	Canton	29.39	15	7 a. m.	29.87	3	7 a. m.	28.97
	New York city	29.89	28	9 p. m.	30.27	5	7 a. m.	29.52
	Oswego	29.49	28	9 p. m.	29.90	5	7 a. m.	29.14
	Sag Harbor	29.68	13	2 p. m.	*c* 30.14	5	7 a. m.	29.30
	Spencertown	29 14	28	9 p. m.	29.59	4	9 p. m.	28.61
	Penn Yan	29.11	21	2 p. m.	29.57	5	Sunrise.	28.79
New Jersey	Bloomfield (*e*)	29.76	28	9 p. m.	30.21	5	2 p. m.	29.40
	Burlington	29.98	28	9 p. m.	30.31	5	2 p. m.	29.64
	Lambertville	29.89	12	9 p. m.	30.29	5	7 a. m.	29.52
	Newark (*f*)	29.94	------	--------	30.31	------	--------	29.56
Pennsylvania	Bedford	29.04	21	2 p. m.	29.40	5	7 a. m.	28.69
	Gettysburg	29.39	28	9 p. m.	29.77	5	7 a. m.	29.02
	Harrisburg	29.71	28	9 p. m.	30.09	5	7 a. m.	29.33
	Lima	29.79	28	9 p. m.	30.20	8	2 p. m.	29.44
	Morrisville (*e*)	30.05	28	9 p. m.	30.45	5	7 a. m.	29.65
	Norristown	29.85	28	9 p. m.	30.26	8	2 p. m.	29.48
	Philadelphia	29.84	28	9 p. m.	30.20	8	2 p. m.	29.53
	Pittsburg, [Oakland Station]	28.92	21	7 a. m.	29.36	16	9 p. m.	28.49
	Pittsburg, [Marine Hospital]	28.95	28	9 p. m.	29.31	5	7 a. m.	28.53
	Pottsville	29.17	28	9 p. m.	29.58	5	7 a. m.	*g* 28.84
Maryland	Frederick	29.61	12	9 p. m.	29.92	8	2 p. m.	29.29
Dist. of Columbia	Washington	30.01	28	9 p. m.	30.39	8	9 p. m.	29.64
Virginia	Alexandria	30.00	28	9 p. m.	30.39	5	7 a. m.	29.57
North Carolina	Chapel Hill	29.41	28	9 p. m.	29.77	8	2 p. m.	28.93
South Carolina	All Saints	29.96	21	7 a. m.	30.25	8	2 p. m.	29.43
	Camden	29.85	21	7 a. m.	30.20	8	2 p. m.	29.37
	Charleston	------	------	--------	30.43	------	--------	29.64
Georgia	Savannah	30.04	21	7 a. m.	30.35	8	2 p. m.	29.51
	Sparta	29.39	21	7 a. m.	29.69	8	2 p. m.	29,00
Florida	Cedar Keys	29.92	4	7 a. m.	*h* 30.16	8	2 p. m.	29,58
	Jacksonville	30.10	20	9 p. m.	30.55	8	2 p. m.	29.65
	Key West	29.74	4	2 p. m.	30.03	11	7 a. m.	*i* 29.50
	Knox Hill	29.86	28	9 p. m.	30.16	8	7 a. m.	29.51
	Warrington	30.07	21	2 p. m.	30.34	8	7 a. m.	29.67
Alabama	Auburn	29.35	28	9 p. m.	29.64	8	7 a. m.	28.90
	Tuscaloosa	29.89	17	7 a. m.	30.08	7	9 p. m.	29.40

a Observations taken at 9 a. m. and 9 p. m.
b Same height at 7 a. m. on the 14th.
c Same height at 9 p. m. on the 13th.
d Observations taken at sunrise, 1 p. m., and 10 p. m.
e Not corrected for temperature.
f Observations taken at 7 a. m. and 5 p. m.
g Same height at 2 p. m. on the 5th.
h Same height at 7 a. m. on the 21st.
i Same height at 7 a. m. on the 19th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Mississippi	Oxford	29.60	28	9 p. m.	29.96	7	9 p. m.	29.13
Louisiana	New Orleans	30.28	28	9 p. m.	30.64	7	2 p. m.	29.87
Texas	New Wied	29.03	28	7 a. m.	29.45	7	9 p. m.	*a* 28.60
Tennessee	Glenwood	29.60	28	9 p. m.	30.03	7	2 p. m.	29.05
	Knoxville	29.02	21	7 a. m.	29.48	8	2 p. m.	28.56
Kentucky	Ballardsville	29.05	21	7 a. m.	29.41	7	2 p. m.	28.55
	Springdale	29.40	21	7 a. m.	29.78	7	2 p. m.	28.88
Ohio	Cincinnati, [Hurtt]	29.50	28	9 p. m.	29.91	7	9 p. m.	28.98
	Germantown	29.24	28	9 p. m.	29.71	7	2 p. m.	28.71
	Granville	28.95	28	9 p. m.	29.39	7	2 p. m.	28.51
	Hillsborough	28.85	28	9 p. m.	29.28	7	2 p. m.	28.35
	Marietta	29.23	28	9 p. m.	29.66	7	2 p. m.	28.79
	Oberlin	29.08	28	9 p. m.	29.56	7	2 p. m.	28.69
	Perrysburg	29.36	28	9 p. m.	29.83	13	9 p. m.	28.93
	Urbana	29.75	20	9 p. m.	*b* 29.16	7	2 p. m.	28.31
	Zanesville	29.17	28	9 p. m.	29.61	7	9 p. m.	28.78
Michigan	Ann Arbor, [Winchell]	29.03	28	9 p. m.	29.46	13	9 p. m.	28.64
	Detroit	29.50	21	7 a. m.	29.93	2	9 p. m.	29.13
	Monroe (*c*)	28.82	21	2 p. m.	29.40	14	7 a. m.	28.20
Indiana	Madison	29.47	28	9 p. m.	29.93	7	2 p. m.	*d* 28.95
	Milton	29.07	20	9 p. m.	29.51	7	2 p. m.	28.48
	New Harmony	29.78	28	9 p. m.	30.10	7	2 p. m.	29.07
Illinois	Upper Alton	29.51	28	9 p. m.	29.96	7	2 p. m.	28.65
Missouri	St. Louis	29.54	28	9 p. m.	30.00	7	7 a. m.	28.83
Wisconsin	Beloit	29.23	28	9 p. m.	29.68	13	7 a. m.	28.66
	Ceresco	29.12	28	2 p. m.	29.56	13	7 a. m.	28.64
	Milwaukie	29.31	20	2 p. m.	29.69	28	2 p. m.	28.72
Iowa	Dubuque	29.37	28	9 p. m.	29.85	12	2 p. m.	28.77
	Muscatine	29.61	20	7 a. m.	*e* 29.99	13	7 a. m.	29.03
	Quasqueton	29.13	28	9 p. m.	29.56	12	2 p. m.	28.51

a Same height at 7 a. m. and at 2 p. m. on the 1[illegible].
b Same height at 7 a. m. on the 21st and at 9 p. m. on the 28th.
c Not corrected for temperature.
d Same height at 9 p. m. on the 7th.
e Same height at 2 p. m. on the 20th.

No. 4—BAROMETER, CORRECTED TO 32° F., MARCH, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.56	------	--------	30.04	------	--------	29.00
	St. Martin's	29.72	1	7 a. m.	30.19	23	9 p. m.	29.04
	Toronto	29.51	------	--------	30.08	------	--------	28.79
Maine	Carmel	29.43	1	7 a. m.	29.99	24	2 p. m.	28.81
	Gardiner	29.67	2	7 a. m.	30.11	24	2 p. m.	29.09
	Steuben	29.84	1	7 a. m.	30.36	24	2 p. m.	29.22
New Hampshire	Concord	29.47	1	7 a. m.	29.97	24	7 a. m.	28.87
	Great Falls	29.36	1	7 a. m.	29.89	24	7 a. m.	28.77
	Manchester	29.89	1	7 a. m.	30.37	24	2 p. m.	29.28
Vermont	Burlington	29.49	1	7 a. m.	30.07	24	7 a. m.	28.77
	St. Johnsbury	29.08	1	7 a. m.	29.59	24	7 a. m.	28.34
Massachusetts	Amherst	29.62	1	7 a. m.	30.14	24	2 p. m.	29.04
	Nantucket	29.87	1	7 a. m.	*b* 30.35	24	2 p. m.	29.32
	New Bedford	29.82	1	7 a. m.	30.27	24	2 p. m.	29.13
	Newburyport	29.83	1	7 a. m.	30.38	24	2 p. m.	29.20
	North Attleboro'	29.67	1	7 a. m.	30.18	24	2 p. m.	29.06
	Princeton	28.66	1	7 a. m.	*c* 29.10	24	2 p. m.	28.08
	Southwick (*d*)	29.84	25	7 a. m.	30.51	24	7 a. m.	29.29
	Westfield	30.96	1	2 p. m.	*e* 31.14	27	2 p. m.	30.82
	Williamstown	29.15	1	7 a. m.	29.64	24	2 p. m.	28.60
	Wood's Hole	29.13	1	7 a. m.	29.59	24	2 p. m.	28.55
	Worcester	29.35	1	7 a. m.	29.80	24	7 a. m.	28.85
Rhode Island	Providence (*a*)	29.66	1	Sunrise.	30.18	21	1 p. m.	29.08
Connecticut	Pomfret	28.77	1	7 a. m.	29.22	24	2 p. m.	28.21
New York	Canton (*f*)	29.26	1	9 p. m.	29.91	23	9 p. m.	28.63
	New York city	29.89	1	7 a. m.	30.36	24	9 p. m.	29.25
	Oswego (*g*)	29.44	1	7 a. m.	*c* 29.90	23	9 p. m.	28.88
	Penn Yan	29.10	1	2 p. m.	29.60	23	Sunset.	28.55
	Sag Harbor	29.63	2	7 a. m.	30.10	24	2 p. m.	29.05
	Spencertown	29.08	1	7 a. m.	29.66	23	9 p m.	28.52
New Jersey	Bloomfield	29.74	1	2 p. m.	30.22	24	7 a. m.	29.22
	Burlington (*g*)	29.94	1	9 p. m.	30.47	24	2 p. m.	29.46
	Lambertville	29.87	1	7 a. m.	*h* 30.35	24	--------	29.32
	Newark (*i*)	29.88	------	--------	30.40	------	--------	29.38
Pennsylvania	Bedford	29.00	1	7 a. m.	*c* 29.50	24	7 a. m.	28.47
	Gettysburg	29.36	1	7 a. m.	29.87	24	7 a. m.	28.79
	Harrisburg	29.67	1	7 a. m.	30.17	24	7 a. m.	29 11
	Lima	29.76	1	7 a. m.	30.28	24	2 p. m.	29.20
	Morrisville (*g*)	30.03	1	7 a. m.	30.50	24	2 p. m.	29.45
	Norristown	29.81	1	7 a. m.	30.35	24	2 p. m.	29.16
	Philadelphia	29.80	1	7 a. m.	30.27	24	2 p. m.	29.31
	Pittsburg, [Oakland Station]	28.91	1	2 p. m.	29.49	26	2 p. m.	28.39
	Pittsburg, [Marine Hospital] (*j*)	28.89	1	9 p. m.	29.42	15	9 a. m.	28.44
	Pottsville	29.16	1	7 a. m.	29.67	24	7 a. m.	28.56
Maryland	Frederick	29.51	1	7 a. m.	30.01	24	7 a. m.	29.01
Dist. of Columbia	Washington	29.95	1	7 a. m.	30.51	24	2 p. m.	29.36
Virginia	Alexandria	29.95	1	7 a. m.	30.47	24	2 p. m.	29.36
North Carolina	Chapel Hill	29.40	2	7 a. m.	29.81	31	9 p. m.	28.91
	Thornbury	29.97	1	7 a. m.	30.44	24	2 p. m.	29.41
South Carolina	All Saints	29.96	2	7 a. m.	30.34	31	9 p. m.	29.23
	Camden	29.86	1	7 a. m.	30.29	31	9 p. m.	29.42
	Charleston	----------	------	--------	30.47	------	--------	29.44
Georgia	Savannah	30.04	1	7 a. m.	*e* 30.42	31	2 p. m.	29.40
	Sparta	29.42	17	9 p. m.	29.79	31	2 p. m.	29.08
	The Rock (*k*)	29.46	------	--------	29.65	------	--------	29.35
Florida	Cedar Keys	29.90	2	7 a. m.	30.23	21	2 p. m.	28.93
	Jacksonville	30.10	1	7 a. m.	30.43	12	9 p. m.	29.45

a For changes in hours of observation, see tables of thermometer for this month.
b Same height at 7 a. m. on the 2d.
c Same height at 2 p. m. on the 1st.
d Observations irregular. None at 9 p. m., except on the 13th and 15th.
e Same height at 9 p. m. on the 1st.
f Observations omitted from the 7th to the 16th of this month.
g Not corrected for temperature.
h Same height at 2 p. m. and 9 p. m. on the 1st.
i Observations taken at 7 a. m. and 5 p. m.
j Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
k Observations taken morning, 3 p. m., and evening.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Key West	29.73	2	2 p. m.	29.92	31	7 a. m.	29.42
	Knox Hill	29.87	1	7 a. m.	30.24	31	2 p. m.	29.56
	Warrington (*a*)	30.04	1	7 a. m.	30.48	13	9 p. m.	29.73
Alabama	Auburn	29.35	1	7 a. m.	29.70	13	2 p. m.	29.07
	Tuscaloosa	29.85	1	7 a. m.	30.35	12	9 p. m.	29.32
Mississippi	Oxford	29.56	1	7 a. m.	30.02	14	9 p. m.	29.07
Louisiana	New Orleans	30.24	1	7 a. m.	30.71	12	9 p. m.	29.88
Texas	New Wied (*b*)	28.92	1	7 a. m.	29.52	16	7 a. m.	28.46
Tennessee	Glenwood	29.56	1	7 a. m.	30.07	12	9 p. m.	28.87
	Knoxville	29.01	------	--------	29.48	------	--------	28.56
	Lebanon	29.49	------	--------	29.95	------	--------	28.98
Kentucky	Ballardsville	29.03	1	7 a. m.	29.50	13	7 a. m.	28.37
	Springdale	29.38	1	7 a. m.	29.90	13	7 a. m.	28.67
Ohio	Berea	28.89	1	2 p. m.	29.55	26	2 p. m.	28.31
	Germantown	29.18	1	7 a. m.	29.77	13	7 a. m.	28.49
	Granville	28.92	23	2 p. m.	29.46	13	2 p. m.	28.23
	Hillsborough	28.81	1	7 a. m.	29.33	13	2 p. m.	28.15
	Marietta	29.19	1	7 a. m.	29.68	24	7 a. m.	28.70
	Oberlin	29.01	1	7 a. m.	29.58	13	2 p. m.	28.37
	Perrysburg (*c*)	29.29	1	7 a. m.	29.87	13	1 p. m.	28.63
	Urbana	28.70	1	2 p. m.	29.23	13	2 p. m.	28.07
	Zanesville	29.11	1	7 a. m.	29.65	13	2 p. m.	28.52
Michigan	Ann Arbor, [Winchell]	28.95	1	7 a. m.	29.49	13	2 p. m.	28.31
	Detroit	29.42	1	7 a. m.	29.99	13	2 p. m.	28.76
Indiana	Madison	29.46	1	7 a. m.	29.97	13	7 a. m.	28.77
	Milton	29.01	1	9 p. m.	29.47	13	7 a. m.	28.24
	New Harmony	29.66	1	7 a. m.	30.17	13	7 a. m.	28.94
Illinois	Upper Alton	29.47	1	7 a. m.	29.96	12	9 p. m.	28.33
Missouri	St. Louis	29.48	1	7 a. m.	30.03	12	9 p. m.	28.78
Wisconsin	Beloit	29.11	1	7 a. m.	29.62	13	2 p. m.	28.37
	Ceresco	28.97	1	7 a. m.	29.47	13	2 p. m.	28 19
	Milwaukie	29.21	1	7 a m.	29.71	13	2 p. m.	28.40
Iowa	Dubuque	29.27	1	7 a. m.	29.76	13	7 a. m.	28.52
	Muscatine	29.45	28	2 p. m.	*d* 29.90	13	7 a. m.	28.75
	Quasqueton	29.02	1	7 a. m.	29.49	13	7 a. m.	28.31
California	Sacramento, [Logan]	29.98	------	--------	30.45	------	--------	29.00
	Sacramento, [Hatch] (*e*)	30.01	------	--------	30.16	------	--------	29.72
	San Francisco (*f*)	29.82	------	--------	29.96	------	--------	29.50

a Observations taken at sunrise, noon, and sunset.
b Not corrected for temperature.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Same height at 9 p. m. on the 28th and 7 a. m. on the 29th.
e Observations taken at sunrise, noon, and 10 p. m.
f Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 29.83.

No. 5.—BAROMETER, CORRECTED TO 32° F., 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
British America	Hamilton, (*a*) Canada	29.69	------	--------	30.03	------	--------	29.32
	St. Martin's	29.85	29	7 a. m.	30.21	2	7 a. m.	29.04
	Toronto	29.65	------	--------	30.00	------	--------	29.23
Maine	Carmel	29.54	29	9 p. m.	29.99	1	9 p. m	28.39
	Gardiner	29.77	30	7 a. m.	30.10	1	9 a. m.	28.73
	Steuben	29.95	2	2 p. m.	30.41	1	9 p. m.	28.66
New Hampshire	Concord	29.59	4	7 a. m.	29.93	1	2 p. m.	28.67
	Great Falls	29.49	29	7 a. m.	29.83	1	2 p. m.	28.44
	Manchester	29.94	29	7 a. m.	30.30	1	2 p. m.	29.05
Vermont	Burlington	29.59	28	2 p. m.	*b* 29.94	1	2 p. m.	28.80
	St. Johnsbury	29.18	------	--------	29.53	------	--------	28.28
Massachusetts	Amherst	29.74	23	9 p. m.	30.06	1	2 p. m.	28.80
	Nantucket	29.95	4	7 a. m.	*c* 30.31	1	2 p. m.	28.89
	New Bedford	29.86	------	--------	30.21	------	--------	28.87
	Newburyport	29.93	4	7 a. m.	30.29	1	2 p. m.	28.94
	North Attleboro'	29.78	4	7 a. m.	30.13	1	2 p. m.	28.79
	Princeton	28.78	------	--------	29.58	------	--------	27.84
	Southwick (*d*)	29.96	4	7 a. m.	30.27	1	2 p. m.	29.12
	Westfield	30.07	4	9 p. m.	31.11	11	9 p. m.	29.97
	Williamstown	29.23	4	7 a. m.	29.51	2	7 a. m.	28.62
	Wood's Hole	29.21	4	2 p. m.	29.53	1	2 p m.	28.20
	Worcester	29.44	25	9 p. m.	29.79	1	2 p. m.	28.57
Rhode Island	Providence (*a*)	29.76	4	6 a. m.	30.14	1	2 p. m.	28.73
Connecticut	Pomfret	28.88	4	7 a. m.	29.18	1	2 p m	28.00
New York	Canton	29.40	27	9 p. m.	29.81	1	2 p. m.	28.85
	New York city	29.95	4	7 a. m	30.28	1	2 p. m.	29.20
	Penn Yan	29.24	14	Sunset.	29.64	1	Sunrise.	28.70
	Sag Harbor	29.72	4	7 a. m.	*e* 30.07	1	2 p. m.	28.80
	Spencertown	29.24	28	7 a. m.	29.56	1	2 p. m.	28.50
New Jersey	Bloomfield	29.85	4	7 a. m.	30.19	1	2 p. m.	29.05
	Burlington	29.97	4	7 a. m	30.32	1	2 p m.	29.34
	Lambertville	29.95	4	2 p. m.	30.26	1	2 p. m.	29.30
	Newark	29.99½	------	--------	30.36	------	--------	29.30
Pennsylvania	Bedford	29.12	28	7 a. m.	29.43	6	7 a. m.	28.82
	Gettysburg	29.44	28	7 a. m.	29.76	1	7 a. m.	28.89
	Harrisburg	29.74	28	7 a. m	30.07	1	7 a. m.	29.20
	Lima	29.85	4	7 a m.	30.17	1	2 p. m.	29.18
	Morrisville (*f*)	30.12	4	7 a. m.	30.45	1	7 a. m.	29.50
	Norristown	29.94	23	9 p. m.	30.43	1	7 a. m	29.46
	Philadelphia	29.85	28	7 a. m.	30.18	1	2 p. m.	29.23
	Pittsburg, [Oakland Station]	28.99	7	--------	29.39	1	7 a. m.	28.59
	Pittsburg, [Marine Hospital] (*g*)	28.97	28	Sunrise.	29.35	1	Sunrise.	28.56
	Pottsville	29.23	28	7 a. m.	29.57	1	2 p. m.	28.62
Maryland	Frederick	29.57	28	7 a. m.	29.88	1	7 a. m.	29.12
Dist. of Columbia	Washington	30.02	------	7 a. m.	30.38	------	2 p. m.	29.45
Virginia	Alexandria	30.02	28	7 a. m.	30.36	1	2 p. m	29.43
North Carolina	Chapel Hill	29.49	28	7 a. m.	29.73	1	7 a. m.	28.97
	Thornbury	30.05	28	7 a. m.	30.35	1	2 p. m.	29.48
South Carolina	All Saints	30.04	12	7 a. m.	30.27	1	2 p. m.	29.61
	Camden	29.93	12	7 a. m.	30.19	1	2 p. m	29.54
	Charleston	----------	------	--------	30.44	------	--------	29.85
Georgia	Savannah	30.10	12	7 a. m.	30.34	1	2 p. m.	*h* 29.76
	Sparta	29.44	13	7 a. m.	29.65	6	2 p. m.	29.17
	The Rock (*i*)	29.80	------	--------	30.15	------	--------	29.50

a For changes in hours of observation see tables of thermometer for this month.
b Same height at 7 a. m. on the 29th.
c Same height at 2 p. m. on the 4th.
d Observations irregular. None at 9 p. m., except on the 5th, 26th, and 28th.
e Same height at 2 and 9 p. m. on the 4th.
f Not corrected for temperature.
g Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
h Same height at 9 p. m. on the 6th.
i Observations taken morning, 3 p. m., and evening.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys	29.96	13	7 a. m.	*a* 30.13	7	7 a. m.	29.65
	Jacksonville	30.16	13	7 a. m.	30.40	6	9 p. m.	29.85
	Key West	29.78	4	2 p. m.	29.95	1	7 a. m.	*b* 29.58
	Knox Hill	29.87	26	7 a. m.	30.05	1	9 p. m.	29.72
	Warrington	30.05	12	2 p. m.	*c* 30.26	6	9 p. m.	29.74
Alabama	Auburn	29.38	------	------	29.60	------	------	29.09
Mississippi	Oxford	29.56	27	7 a. m.	29.79	2	2 p. m.	*d* 29.33
Louisiana	New Orleans	30.24	12	7 a. m	*e* 30.40	2	2 p. m.	30.01
Texas	New Wied (*f*)	28.79	6	7 a. m.	29.10	2	9 p. m.	28.52
Tennessee	Glenwood	29.58	26	9 p. m.	29.94	8	2 p. m.	29.31
	Knoxville	29.08	11	7 a. m.	29.36	1	2 p. m.	28.74
Ohio	Germantown	29.25	27	7 a. m.	29.94	1	7 a. m.	*g* 29.00
	Granville	28.97	27	7 a. m	29.41	20	7 a. m.	28.65
	Hillsborough	28.90	27	7 a. m.	29.28	5	2 p. m.	28.61
	Jackson, [Gilmor] (*f*)	28.99	11	2 p. m.	29.58	26	9 p. m	28.25
	Jackson, [Wood] (*f*)	29.03	27	7 a. m.	29.37	20	7 a. m.	28.29
	Marietta	29.29	27	7 a. m.	29.69	1	7 a. m.	28.92
	Oberlin	29.15	12	7 a. m.	29.51	5	9 p. m.	28.85
	Perrysburg	29.40	27	7 a. m.	29.78	26	1 p. m.	29.06
	Urbana	28.88	27	7 a. m.	29.21	6	2 p. m	28.56
	Zanesville	29.15	27	7 a. m.	29.54	20	7 a m.	28.84
Michigan	Ann Arbor, [Winchell]	29.07	12	7 a m	*h* 29.46	7	9 p. m.	28.79
	Detroit	29.52	12	7 a. m.	29.91	5	9 p. m	29.22
Indiana	Madison	29.52	------	------	29.89	------	------	29.28
	Milton	29.09	27	2 p. m.	29.43	6	7 a. m.	28.82
	New Harmony	29.69	27	7 a. m.	30.05	8	2 p. m	29.47
Illinois	Upper Alton	29.47	11	7 a. m.	29.87	30	2 p. m.	29.23
Missouri	St. Louis	29.48	27	7 a. m.	29.92	30	2 p. m.	29.24
Wisconsin	Beloit	29.18	27	7 a. m.	29.66	7	9 p. m.	28.87
	Ceresco	29.08	11	2 p. m.	29.59	7	9 p. m.	28.71
	Milwaukie	29.31	11	7 a. m.	29.74	30	2 p. m.	28.98
Iowa	Dubuque	29.31	27	7 a. m.	29.78	30	7 a. m.	28.97
	Muscatine	29.52	11	7 a. m	29.92	29	9 p. m.	*i* 29.23
	Quasqueton	29.06	27	7 a. m.	29.53	17	2 p. m.	28.71

a Same height at 2 and 9 p. m. on the 13th.
b Same height at 2 p. m. on the 1st.
c Same height at 2 p. m. on the 13th.
d Same height at 2 p. m. on the 8th.
e Same height at 9 p. m. on the 12th, and 7 a. m. on the 18th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 5th.
h Same height at 7 a. m. on the 27th.
i Same height at 7 a. m. and 2 and 9 p m. on the 30th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1855.(a)

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.72½	27	9 a. m.	29.98	8	9 a. m.	29.40
	St. Martin	29.93	2	9 p. m.	30.20	16	7 a. m.	29.58
	Toronto	29.65	------	--------	29.90	------	--------	29.28
Maine	Carmel (*b*)	29.55	29	7 a. m.	29.83	20	2 p. m	29.21
	Gardiner	29.75	29	9 p. m.	30.03	20	2 p. m.	29.44
	Steuben	29.98	2	9 p. m.	30.31	21	2 p. m.	29.54
New Hampshire	Concord	29.58	29	7 a. m.	*c* 29.90	20	9 p. m.	29.22
	Great Falls	29.48	30	7 a. m.	29.77	6	2 p. m.	29.14
	Manchester	29.95	2	7 a. m.	30.29	6	2 p. m.	29.60
Vermont	Burlington	29.62	2	2 p. m.	29.92	20	2 p. m.	29.23
	St. Johnsbury	29.17	30	7 a. m.	29.45	20	2 p. m.	28.85
Massachusetts	Amherst	29.69	30	7 a. m.	30.04	20	2 p. m.	29.30
	Nantucket	29.91	31	7 a. m.	30.30	20	2 p. m.	29.35
	New Bedford	29.85	31	2 p. m.	30.22	20	2 p. m.	29.37
	Newburyport	29.92	18	7 a. m.	30.23	6	2 p. m.	29.56
	North Attleboro'	29 75	31	7 a. m.	30.11	20	7 a. m.	29.35
	Princeton	28.79	30	7 a. m.	*d* 29.11	20	2 p. m.	28.45
	Southwick (*e*)	29.92	31	7 a. m.	30.22	20	2 p. m.	29.62
	Westfield	30.07	29	7 a. m.	30.27	21	2 p. m.	29.96
	Williamstown	29.23	30	7 a. m.	29.58	8	7 a. m.	28.95
	Worcester	29.44	29	2 p. m.	29.78	20	2 p. m.	29.09
Rhode Island	Providence (*a*)	29.74	31	6 a. m.	30.07	20	1 p. m.	29.38
Connecticut	Pomfret	28.86	31	7 a. m.	29.20	20	2 p. m.	28.51
New York	Canton	29.43	2	7 a. m.	29.70	20	2 p. m.	29.12
	Madrid	29.67	11	7 a. m.	29.96	20	2 p. m.	29.34
	New York city	29.91	30	7 a. m.	30.22	20	2 p. m.	29.53
	Oswego	29.63	26	2 p. m.	29.85	20	9 p. m.	29.36
	Penn Yan	29.26	2	2 p. m.	29.45	8	Sunrise.	28.90
	Sag Harbor	29.64	30	7 a. m.	30.02	20	7 a. m.	*f* 29.24
	Spencertown	29.24	3	7 a. m.	29.53	20	9 p. m.	28.86
New Jersey	Bloomfield	29.80	31	7 a. m.	30.13	20	2 p. m.	29.43
	Burlington	29.89	31	7 a. m.	*g* 30.16	------	--------	29.59
	Lambertville	29.92	30	9 p. m.	30.22	8	7 a. m.	29.56
	Newark	29.93	------	--------	30.17	------	--------	29.60
Pennsylvania	Bedford	29.08	30	7 a. m.	29.30	7	9 p. m.	28.70
	Gettysburg	29.39	30	7 a. m.	29.65	8	7 a. m.	29.04
	Harrisburg	29.71	30	7 a. m.	29.98	8	7 a. m.	29.34
	Lima	29.79	30	7 a. m.	30.13	8	7 a. m.	29.38
	Morrisville (*h*)	30.07	30	7 a. m.	30.40	8	7 a. m.	29.70
	Norristown	29 86	------	--------	30.18	------	--------	29.45
	Philadelphia	29.81	30	7 a. m.	30.12	8	7 a. m.	29.45
	Pittsburg, [Oakland Station]	28.92	10	7 a. m.	29.16	7	9 p. m.	28.61
	Pittsburg, [Marine Hospital] (*i*)	28.95	10	Sunrise.	29.17	8	Sunrise.	28.63
	Pottsville	29.20	30	7 a. m.	29.49	8	7 a. m.	28.86
Maryland	Frederick	29.53	30	7 a. m.	29.77	7	2 p. m.	29.22
Dist. of Columbia	Washington	29.99	30	7 a. m.	30.29	7	9 p. m.	29.61
Virginia	Alexandria	29.97	30	7 a. m.	30.25	8	7 a. m	29.61
North Carolina	Chapel Hill	29.42	30	9 p. m.	29.64	8	7 a. m.	29.11
South Carolina	All Saints	29.94	15	7 a. m.	30.18	8	7 a. m.	29.60
	Camden	29.85	15	7 a. m.	30.10	8	2 p. m.	29.53
	Charleston	------	------	--------	30.39	------	--------	29.84
Georgia	Savannah	30.00	15	7 a. m.	30.26	8	2 p. m.	29.67
	Sparta	29.37	10	2 p. m.	29.60	7	9 p. m.	29.12
	The Rock (*j*)	29.83	------	--------	30.00	------	--------	29.45
Florida	Cedar Keys	29.85	1	7 a. m.	30.01	8	9 p. m.	29.67
	Jacksonville	30.04	14	9 p. m.	30.27	8	2 p. m.	29.64

a For changes in hours of observation see tables of thermometer for this month.
b No observations for the first 14 days.
c Same height at 7 a. m. on the 30th.
d Same height at 7 a. m. on the 31st.
e Observations irregular; only four at 9 p. m.
f Same height at 2 p. m. on the 20th.
g Same height at 2 p. m. on the 31st.
h Not corrected for temperature.
i Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Maximum, 29.16; minimum, 28.72.
j Observations taken in the morning, 3 p. m., and evening.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Key West	29.69½	3	2 p. m.	29.92	21	7 a. m.	29.60
	Knox Hill	29.79	15	7 a. m.	29.97	7	9 p. m.	29.60
	Warrington	29.93	1	2 p. m.	30.15	7	9 p. m.	29.71
Alabama	Auburn	29.29	------	------	29.51	------	------	29.06
Mississippi	Oxford	29.49	13	7 a. m.	*a* 29.69	21	9 p. m.	29.26
Louisiana	New Orleans	30.14	15	7 a. m.	30.27	8	2 p. m.	29.99
Texas	New Wied (*b*)	28.66	10	7 a. m.	28.90	22	2 p. m.	28 50
Tennessee	Glenwood	29.50	10	7 a. m.	29.72	7	2 p. m.	29.21
	Knoxville	29.00	1	7 a. m.	29.20	7	2 p. m.	28.70
Kentucky	Springdale	29.36	11	2 p. m.	29.64	7	2 p. m.	29.02
Ohio	Germantown	29.20	10	7 a. m.	29.48	7	2 p. m.	28.95
	Granville	28.97	26	7 a. m.	29.17	7	2 p. m.	28.61
	Hillsborough	28.86	10	7 a. m.	29.10	7	2 p. m.	28.47
	Jackson, [Gilmore]	28.97	10	2 p. m.	29.25	7	9 p. m.	28.60
	Marietta	29.28	10	7 a. m.	29.50	7	2 p. m.	28.94
	Oberlin	29.11	10	7 a. m.	29.39	7	2 p. m.	28.87
	Perrysburg	29.38	10	7 a. m.	29.65	7	2 p. m.	29.08
	Urbana	28.76	10	9 p. m.	29.01	7	2 p. m.	28.46
Michigan	Ann Arbor, [Winchell]	29.08	10	7 a. m.	29.36	15	9 p. m.	28.81
	Detroit	29.53	10	2 p. m.	29.78	15	9 p. m.	29.22
Indiana	Madison	29.45	10	7 a. m.	29.71	7	2 p. m.	29.07
	Milton	29.04	11	7 a. m.	29.31	31	9 p. m.	28.64
	New Harmony	29.61	10	7 a. m.	29.87	7	2 p. m.	29.22
Illinois	Upper Alton	29.42	3	7 a. m.	29.83	22	7 a. m.	29.04
Missouri	St. Louis	29.41	10	7 a. m.	29.70	21	2 p. m.	29.03
Wisconsin	Beloit	29.20	10	7 a. m.	29.53	21	2 p. m.	28.78
	Ceresco	29.14	10	7 a. m.	29.46	21	9 p. m.	28.57
	Madison	29.02	10	7 a. m.	29.33	21	2 p. m.	28.57
	Milwaukee	29.32	5	7 a. m.	29.61	31	7 a. m.	28.95
Iowa	Dubuque	29.31	10	7 a. m.	29.67	21	2 p. m.	28.80
	Muscatine	29.49	9	7 a. m.	29.77	21	2 p. m.	28.99
	Quasqueton	29.07	10	7 a. m.	29.39	21	9 p. m.	28.60

a Same height at 7 a. m. on the 16th.

b Not corrected for temperature.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1855.(a)

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.59	------	--------	29.84	------	--------	29.05
	St. Martin	29.75	18	2 p. m.	30.15	10	2 p. m.	29.27
	Toronto	29.51	------	--------	29.81	------	--------	28.94
Maine	Carmel	29.48	19	7 a. m.	29.79	8	7 a. m.	28.90
	Gardiner	29.68	18	2 p. m.	29.98	8	7 a. m.	29.16
	Steuben	29.93	19	2 p. m.	30.24	8	7 a. m.	29.43
New Hampshire	Concord	29.51	18	7 a. m.	*b* 29.82	8	7 a. m.	29.06
	Great Falls	29.50	18	2 p. m.	29.82	8	7 a. m.	29.04
	Manchester	29.87	18	7 a. m.	*c* 30.16	7	9 p. m.	29.43
Vermont	Burlington	29.49	18	7 a. m.	*d* 29.88	10	2 p. m.	29.65
	St. Johnsbury	29.09	10	9 p. m.	29.77	8	7 a. m.	28.70
Massachusetts	Amherst	29.64	18	7 a. m.	29.95	7	9 p. m.	29.13
	Nantucket	29.92	1	7 a. m.	30.17	8	7 a. m.	29.41
	New Bedford	29.81	18	9 p. m.	30.08	8	7 a. m.	29.40
	Newburyport	29.85	18	7 a. m.	30.18	8	7 a. m.	29.38
	North Attleboro'	29.71	18	9 p. m	30.01	7	9 p. m.	29.27
	Princeton	28.75	18	7 a. m.	*d* 29.03	7	9 p. m.	28.30
	Southwick	29.87	19	7 a. m.	30.17	8	7 a. m.	29 48
	Westfield	30.05	18	7 a. m.	30.22	7	9 p. m.	29.91
	Williamstown	29.17	18	6½ a. m.	29.46	7	9 p. m.	28.63
	Worcester	29.39	18	9 p. m.	29.67	7	9 p. m.	28.94
Rhode Island	Providence	29.69	18	10 p. m.	29.96	7	10 p. m.	*e* 29 25
Connecticut	Pomfret	28.83	18	9 p. m.	29.10	7	9 p. m.	28.43
New York	Canton	29.30	18	7 a. m.	29.66	10	2 p. m.	28.82
	Madrid	29.54	18	7 a. m.	29.93	10	2 p. m.	29.08
	New York city	29.86	27	7 a. m.	*f* 30.11	7	9 p m.	29.44
	Oswego	29.53	------	--------	29.76	------	--------	29.13
	Penn Yan	29.16	18	2 p. m.	29.46	10	2 p. m.	28.69
	Sag Harbor	29.61	18	9 p. m.	29.92	11	7 a. m.	29.23
	Spencertown	29.21	25	9 p. m.	29.56	7	9 p. m.	28.68
New Jersey	Bloomfield	29.73	18	9 p. m.	30.02	7	9 p. m.	29.30
	Burlington (*g*)	29.89	1	7 a. m.	*h* 30.15	8	7 a. m.	29.60
	Lambertville	29.93	27	2 p. m.	30.30	7	9 p. m.	29.50
	Newark	29.90	------	--------	30.50	------	--------	29.50
Pennsylvania	Bedford	29.03	27	7 a. m.	29.31	7	2 p. m.	28.65
	Gettysburg	29.34	27	2 p. m.	29.61	7	2 p. m.	28.92
	Harrisburg	29.64	27	9 p. m.	29.97	7	2 p. m	29.24
	Lima	29.75	27	7 a. m.	30.03	7	9 p. m.	*i* 29.39
	Morrisville (*g*)	30.03	27	7 a. m.	*j* 30.30	7	9 p. m.	29.65
	Norristown	29.81	27	7 a. m.	30.09	7	9 p. m.	29.45
	Philadelphia	29.74	27	7 a. m.	30 02	7	9 p. m.	29.39
	Pittsburg, [Oakland Station]	28.85	13	7 a. m.	29.11	7	2 p. m.	28.42
	Pittsburg, [Marine Hospital] (*k*)	28.87	27	9 a. m.	29 19	10	9 a. m.	28.50
	Pottsville	29.12	27	7 a. m.	29.41	7	2 p. m.	28.74
Delaware	Newark (*l*)	29.75	27	9 p. m.	29.97	7	2 p. m.	29.41
Maryland	Chestertown (*m*)	29.62	27	7 a. m.	29.83	10	9 p. m	29.28
	Frederick	29.47	27	7 a. m.	29.74	7	2 p. m.	29.09
Dist. of Columbia	Washington	29.92	27	7 a. m.	30.22	10	2 p. m.	29.53
Virginia	Alexandria	29.91	27	7 a. m.	30.20	10	2 p. m.	29.57
North Carolina	Chapel Hill	29.40	27	9 p. m.	29.63	10	2 p. m.	29.13
South Carolina	All Saints	29.96	27	2 p. m.	*n* 30.20	10	9 p. m.	29.65
	Camden	29.83	28	7 a. m.	30.12	10	2 p. m	29.53
	Charleston	------	------	--------	30.40	------	--------	29.89
Georgia	Savannah	30.02	28	7 a. m.	30.27	10	9 p. m.	29.75
	Sparta	29.38	28	7 a. m.	29.58	10	2 p. m	29.15
	The Rock (*o*)	29.62	------	--------	29.80	------	--------	29.45

a For changes in the hours of observations, see tables of thermometer for this month.
b Same height at 9 p. m. on the 18th, and 7 a. m. on the 19th.
c Same height at 7 a. m. on the 19th.
d Same height at 9 p. m. on the 18th.
e Same height at 6 a. m. on the 8th.
f Same height at 2 p. m. on the 27th.
g Not corrected for temperature.
h Same height at 2 p m. on the 1st.
i Same height at 9 p. m. on the 10th.
j Same height at 9 p. m. on the 9th.
k Observations taken at sunrise, 9 a m., 3 p. m., and 9 p. m. Maximum, 29.19; minimum, 28.50.
l Incomplete.
m For the last 22 days of the month only.
n Same height at 9 p. m. on 27th, and at 7 a. m. and 2 p. m. on 28th.
o Observations taken morning, 3 p. m., and evening.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys (*a*)	29.92	27	2 p. m.	*b* 30.04	20	7 a. m.	29.83
	Jacksonville	30.08	27	9 p. m.	30.28	9	2 p. m.	29.85
	Key West	29.72	27	2 p. m.	*c* 29.84	3	7 a. m.	*d* 29.58
	Knox Hill	29.82	27	7 a. m.	*e* 30.00	10	2 p. m.	29.60
	Warrington	29.98	28	2 p. m.	30.18	10	9 p. m.	29.75
Alabama	Auburn	29.30	------	------	29.50	------	------	29.07
Mississippi	Oxford	29.52	13	7 a. m.	29.70	6	9 p. m.	29.30
Louisiana	New Orleans	30.16	28	7 a. m.	30.30	10	2 p. m.	29.98
Texas	New Wied (*f*)	28.66	2	7 a. m.	28.90	6	7 a. m.	28.50
Tennessee	Glenwood	29.49	14	7 a. m.	29.77	10	7 a. m.	29.23
	Knoxville	29.01	28	7 a. m.	29.29	10	2 p. m.	28.64
Kentucky	Springdale	29.33	13	2 p. m.	29.65	10	7 a. m.	28.98
Ohio	Germantown	29.12	28	7 a. m	29.39	9	9 p. m.	28.75
	Granville	28.90	13	7 a. m.	29.19	10	7 a. m.	28.48
	Hillsborough	28.81	13	7 a. m	29.11	7	7 a. m.	28.40
	Jackson, [Gilmore] (*f*)	28.91	13	7 a. m.	29.25	10	7 a. m.	28.52
	Oberlin	29.01	13	9 p. m.	29.30	10	7 a. m.	28.56
	Perrysburg	29.27	13	7 a. m.	29.60	10	7 a. m.	28.81
	Urbana	28.67	13	9 p. m.	29.00	10	7 a. m.	28.28
	Zanesville	29.06	13	7 a. m.	29.34	7	7 a. m.	28.76
Michigan	Ann Arbor, [Winchell]	28.96	13	7 a. m	29.31	10	7 a. m.	28.46
	Detroit	29.40	13	9 p. m.	29.70	10	7 a. m.	28.89
Indiana	Madison	29.42	14	7 a. m.	29.72	10	7 a. m.	29.05
	Milton	28.99	14	7 a. m.	29.28	10	7 a. m.	28.53
Illinois	Manchester	28.62	13	7 a. m.	28.96	9	9 p. m.	28.30
	Upper Alton	29.38	13	7 a. m.	29.72	9	2 p. m.	29.12
Missouri	St. Louis	29.38	13	7 a. m.	29.74	9	2 p. m.	*g* 29.11
Wisconsin	Beloit	29.09	13	7 a. m.	29.44	9	2 p. m.	28.65
	Milwaukee, [Winkler]	29.20	13	7 a. m.	29.51	10	7 a. m.	28.65
	Superior	29.08	12	7 a. m.	29.43	9	2 p. m.	28.42
Iowa	Dubuque	29.21	13	7 a. m.	29.62	9	9 p m.	28.85
	Muscatine	29.38	13	7 a. m.	29.73	9	9 p. m.	29.05
	Quasqueton	28.97	13	7 a. m.	29.37	9	9 p. m.	28.63

a For the last 16 days of the month only.
b Same height at 9 p. m. on the 27th.
c Same height at 2 p. m. on the 28th.
d Same height at 7 a. m. on the 4th.
e Same height at 7 a. m. on the 28th.
f Not corrected for temperature.
g Same height at 9 p. m. on the 9th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1855.(a)

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	St. Martin	29.83	9	7 a. m.	30.10	19	2 p. m.	29.51
	Toronto	29.61	------	--------	29.83	------	--------	29.34
Maine	Carmel	29.62	15	9 p. m.	29.96	19	2 p. m.	29.34
	Gardiner	29.80	15	9 p. m.	30.11	19	2 p. m.	29.43
	Steuben	30.06	15	9 p. m.	30.37	19	2 p. m.	29.67
New Hampshire	Concord	29 66	15	9 p. m.	29.96	19	2 p. m.	29.38
	Manchester	30.01	15	9 p. m.	30.29	19	2 p. m.	29.72
Vermont	Burlington	29.66	9	7 a. m.	29.91	13	9 p. m.	29.32
	St. Johnsbury	29.20	9	7 a. m.	29.53	19	2 p m.	28.96
Massachusetts	Amherst	29.77	16	7 a. m.	30.07	13	2 p. m.	29.50
	Nantucket	30.02	16	7 a. m.	30.32	27	7 a. m.	29.77
	New Bedford	29.93	22	7 a. m.	30.26	27	7 a. m.	29.70
	Newburyport	29.99	15	2 p. m.	30.37	13	2 p. m.	29.70
	North Attleboro'	29.84	16	7 a. m.	30.15	19	2 p. m.	29 59
	Princeton	28.89	3	7 a. m.	29.49	2	2 p. m	28.66
	Southwick	29.99	16	7 a. m.	30.29	27	7 a. m	29.78
	Westfield	30.17	16	7 a. m.	30.36	1	7 a. m.	30.02
	Williamstown	29.29	16	6½ a. m.	29.59	13	2 p. m.	29.00
	Worcester	29.50	9	7 a. m.	29.82	27	7 a. m.	29.27
Rhode Island	Providence	29.81	15	10 p. m.	*b* 30.09	27	6 a. m.	29.57
Connecticut	Pomfret	28.93	16	7 a. m	29 22	1	2 p. m.	28.65
New York	Canton (*c*)	29 43	8	9 p. m.	29.66	13	2 p. m.	29.17
	New York city	29.95	16	7 a. m.	30.25	20	7 a. m.	29.80
	Oswego (*d*)	29.66	17	7 a. m.	29.88	13	7 a. m.	29.40
	Penn Yan	29.29	16	2 p. m	29.50	13	2 p. m.	29.04
	Sag Harbor	29.71	15	9 p. m.	30.00	13	2 p. m.	29.48
	Spencertown	29.34	3	2 p. m.	29.56	13	2 p. m.	29.12
	Madrid	29.70	8	7 a. m	29.96	19	2 p. m.	29.38
New Jersey	Bloomfield	29.84	16	7 a. m,	30.15	13	2 p. m.	29.60
	Burlington (*d*)	29.98	16	7 a. m.	*e* 30.23	13	9 p. m.	29.80
	Lambertville	30.12	16	7 a. m	30.40	13	2 p. m.	29.92
	Newark	30.03	------	--------	30.32	------	--------	29.89
Pennsylvania	Bedford	29.11	16	7 a. m.	29.38	13	2 p. m.	28.94
	Gettysburg	29.44	16	7 a. m.	29.72	13	2 p. m.	29.23
	Harrisburg	29.74	16	7 a. m.	30.02	13	2 p. m.	29.56
	Lima	29.85	16	7 a. m.	30.16	13	2 p. m.	29.61
	Morrisville (*d*)	30.11	16	7 a. m.	30.40	13	9 p. m.	29.90
	Norristown	29.89	16	7 a. m.	30.19	13	2 p. m.	29.68
	Philadelphia	29.85	16	7 a. m.	30.13	13	2 p. m.	29.64
	Pittsburg, [Oakland Station]	28.96	16	2 p. m.	29.16	1	2 p. m.	28.75
	Pittsburg, [Marine Hospital] (*f*)	28.98	8	9 p. m.	29.19	2	Sunrise	28.79
	Pottsville	29.23	16	7 a. m.	29.51	13	2 p. m.	29.02
Maryland	Chestertown	29.71	16	7 a. m.	29.94	7	2 p. m.	29.52
	Frederick	29.58	9	7 a. m.	29.78	13	2 p. m.	29.36
Dist. of Columbia	Washington	30.02	16	7 a. m.	30.32	13	2 p. m.	29.81
Virginia	Alexandria	30.00	16	7 a. m.	30.28	13	2 p. m.	29.80
North Carolina	Chapel Hill	29.47	17	7 a. m.	29.66	13	2 p. m.	29.30
South Carolina	All Saints	30.04	16	2 p. m.	30.22	13	9 p. m.	29.85
	Camden	29.90	16	7 a. m.	30.11	13	2 p m.	29.71
	Charleston	------	------	--------	30.42	------	--------	30.05
Georgia	Savannah	30.10	17	7 a. m.	30.27	13	2 p. m.	29.93
	Sparta	29.44	17	7 a. m.	29.59	12	2 p. m.	29.30
	The Rock (*g*)	29.45	------	--------	29.60	------	--------	29.35
Florida	Cedar Keys	29.93	16	9 p. m.	*h* 30.05	27	7 a. m.	29.84
	Jacksonville	30.15	16	9 p. m.	30.30	13	2 p. m.	30.02
	Key West	29.78	9	2 p. m.	29.89	2	7 a. m.	29.70
	Knox Hill	29.89	17	7 a. m.	30.02	3	7 a. m.	29.78
	Warrington	30.03	17	2 p. m.	30.19	2	9 p. m.	29.88

a For changes in hours of observations, see tables of thermometer for this month.
b Same height at 6 a. m. on the 16th.
c Incomplete.
d Not corrected for temperature.
e Same height at 2 p. m. on the 16th.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Maximum, 29.20; minimum, 28.79.
g Observations taken morning, 3 p. m., and evening.
h Same height at 7 a. m. on the 17th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Mississippi	Oxford	29.55	16	9 p. m.	*a* 29.70	14	2 p. m.	29.43
Louisiana	New Orleans	30.20	10	7 a. m	30.37	13	9 p. m.	30.05
Texas	New Wied (*b*)	28.66	10	7 a. m	28.85	14	7 a. m	28.60
Tennessee	Glenwood	29.55	17	7 a. m.	29.76	13	2 p. m.	29.41
Kentucky	Springdale	29.39	17	7 a. m	29.63	13	9 p. m.	29.41
Ohio	Germantown	29.22	17	7 a. m.	29.43	1	2 p. m.	29.01
	Granville	28.99	16	7 a. m.	29.20	1	9 p. m.	28.73
	Hillsborough	28.89	17	7 a. m.	29.10	1	2 p. m.	28.71
	Jackson, [Gilmore] (*b*)	29.37	17	2 p. m.	29.71	1	2 p. m.	28.85
	Oberlin	29.11	8	2 p. m.	29.32	1	2 p. m.	28.87
	Perrysburg	29.36	8	7 a. m.	29.59	1	7 a. m.	*c* 29.16
	Urbana	28 79	8	2 p. m.	29.00	1	2 p. m.	28 61
	Zanesville	29.14	16	7 a. m.	29.37	1	2 p. m.	28.95
Michigan	Ann Arbor, [Winchell]	29.06	8	7 a. m	29.27	1	9 p. m.	28.82
	Battle Creek	29.00	8	7 a. m	29.17	1	7 a. m	28.74
	Detroit	29.50	8	7 a. m.	29.72	1	2 p. m.	29.24
Indiana	Milton	29.06	16	9 p. m.	29.23	13	2 p. m.	28.84
	New Harmony	29.61	17	7 a. m.	29.79	13	7 a. m.	29.46
Illinois	Manchester	28.63	5	7 a. m.	*d* 28.76	1	9 p. m.	28.50
	Upper Alton	29.44	17	7 a. m.	29.59	14	9 p. m.	29.28
Missouri	St. Louis	29.43	17	7 a. m	29.61	12	9 p. m.	29.27
Wisconsin	Beloit	29.16	7	7 a. m.	29.32	1	7 a. m.	28.83
	Milwaukee, [Winkler]	29.27	7	2 p. m.	29.49	1	7 a. m.	28.95
	Superior	29.14	6	9 p. m.	29.42	1	7 a. m.	28.76
Iowa	Dubuque	29.27	21	7 a. m.	29.47	1	7 a. m.	28.99
	Muscatine	29.40	7	7 a. m.	29.61	15	7 a. m.	29.23
	Quasqueton	29.04	6	7 a. m.	29.29	1	7 a. m.	28.77

a Same height at 7 a. m. on the 17th.
b Not corrected for temperature.
c Same height at 1 p. m. on the 1st.
d Same height at 7 a. m. on the 17th and 18th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1855.(a)

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Montreal (*b*)	29.82	------	------	29.99	------	------	29.48
	St. Martin	29.84	31	7 a. m.	30.20	9	9 p. m.	29.20
	Toronto	29.65	------	------	30.02	------	------	29.13
Maine	Carmel (*c*)	29.74	20	7 a. m	*d* 29.93	29	9 p. m.	29.46
	Gardiner	29.81	20	7 a. m.	30.10	9	9 p. m.	*e* 29.21
	Steuben	30.06	20	7 a. m.	30.38	10	7 a. m.	29.39
New Hampshire	Concord	29.69	31	7 a. m.	30.00	9	9 p. m.	29.03
	Manchester (*f*)	30.02	31	9 p. m.	30.32	10	7 a. m.	29.50
Vermont	Burlington	29.69	31	7 a. m	30.05	9	9 p. m.	29.10
Massachusetts	Amherst	29.82	20	7 a. m.	30.15	9	9 p. m.	29.23
	Nantucket	30.05	19	9 p. m.	30.37	9	9 p. m.	29.47
	New Bedford	30.07	31	2 p. m.	30.28	9	9 p. m.	29.37
	Newburyport	30.03	20	7 a. m.	30.35	9	9 p. m.	29.38
	North Attleboro'	29.87	20	7 a. m.	30.21	9	9 p. m	29.27
	Princeton	28.91	20	7 a. m.	29.23	9	9 p. m.	28.33
	Southwick (*f*)	29.99	19	7 a. m.	30.32	10	7 a. m.	29.48
	Williamstown	29.33	20	6½ a. m.	29.65	9	2 p. m.	28.74
	Westfield	30.20	20	7 a. m.	30.44	9	2 p m.	29.99
	Worcester	29.47	4	7 a. m	29.83	10	9 p. m.	28.92
Rhode Island	Providence	29.85	20	6 a. m.	30.21	9	10 p. m.	29.20
Connecticut	Pomfret	28.96	20	7 a. m.	29.28	9	9 p. m.	28.42
New York	Canton	29.45	31	7 a. m.	29.83	9	2 p. m.	28.85
	Madrid	29.81	10	2 p. m.	30.43	16	2 p. m.	29.41
	New York city	30.00	31	7 a. m.	30.33	9	2 p. m.	29.48
	Oswego (*g*)	29.68	19	2 p. m.	29.97	9	7 a. m.	*h* 29.25
	Penn Yan	29.31	31	Sunrise.	29.59	9	2 p. m.	28.83
	Sag Harbor	29.72	19	9 p. m.	*d* 30.08	9	9 p. m.	29.19
	Spencertown	29.35	31	7 a. m.	29.66	9	2 p. m.	28.85
New Jersey	Bloomfield	29.92	28	9 p. m.	30.38	9	2 p. m.	29.35
	Burlington (*g*)	30.04	31	9 p. m.	30.33	9	9 p. m.	29.59
	Lambertville	30.15	31	2 p. m.	30.45	9	9 p. m.	29.71
	Newark (*i*)	30.08	------	------	------	------	------	------
Pennsylvania	Bedford	29.14	20	7 a. m.	29.45	9	2 p. m	28.78
	Gettysburg	29.48	19	7 a. m.	*j* 29.80	9	2 p. m.	29.02
	Harrisburg	29.77	20	7 a. m.	30.10	9	2 p. m	29.33
	Lima	29.89	31	7 a. m.	30.24	9	2 p. m.	29.42
	Morrisville (*g*)	30.16	20	7 a. m.	30.50	9	2 p. m.	29.70
	Norristown	29.93	31	7 a. m.	30.29	9	2 p. m.	29.45
	Philadelphia	29.92	20	7 a. m.	30.25	9	2 p. m.	29.51
	Pittsburg, [Oakland Station]	29.05	18	9 p. m.	29.36	9	7 a. m.	28.72
	Pittsburg [Marine Hospital] (*k*)	29.01	20	Sunrise.	29.33	9	9 a. m.	28.67
	Pottsville	29.28	31	7 a. m.	29.63	9	9 p. m.	28.86
Maryland	Chestertown	29.74	31	7 a. m.	30.00	9	2 p. m.	29.30
	Frederick	29.61	20	7 a. m.	29.93	9	2 p. m.	29.22
Dist. of Columbia	Washington	30.07	20	7 a. m.	30.42	9	2 p. m.	29.68
Virginia	Alexandria	30.04	31	7 a. m.	30.35	9	7 a. m.	29.73
North Carolina	Chapel Hill	29.46	20	7 a. m.	29.69	10	2 p. m.	29.25
South Carolina	All Saints	30.00	31	9 p. m.	30.22	5	9 p. m.	29.80
	Camden	29.88	31	9 p. m.	30.11	5	2 p. m.	29.64
	Charleston (*l*)	------	------	------	------	------	------	------
Georgia	Savannah	30.06	31	9 p. m	30.26	5	2 p. m.	29.86
	Sparta	29.42	19	2 p. m.	*m* 29.55	5	2 p. m.	29.27
	The Rock (*n*)	29.41	------	------	29.50	------	------	29.25
Florida	Cedar Keys	29.89	8	2 p. m.	30.03	6	7 a. m.	29.79
	Jacksonville	30.10	31	9 p. m.	30.31	5	2 p. m.	29.94

a For changes in hours of observation see tables of thermometer for this month.
b For 8 days only, 11th to 18th inclusive.
c Observations omitted from the 5th to the 25th of the month.
d Same height at 9 p. m. on the 31st.
e Same height at 7 a. m. on the 10th.
f Incomplete.
g Not corrected for temperature.
h Same height at 2 p. m. on the 9th.
i Observations taken at 7 a. m. and 6 p. m.
j Same height at 7 a. m. on the 20th.
k Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 29.02. Maximum, 29.33; minimum, 28.68.
l Maximum for the month, 30.38; minimum, 30.02.
m Same height at 2 p. m. on the 31st.
n Observations taken in the morning, 3 p. m., and evening.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Key West	29.74	8	2 p. m.	29.88	30	7 a. m.	29.53
	Knox Hill (*a*)	29.85	12	7 a. m.	29.98	6	2 p. m.	29.69
	Warrington	30.02	12	2 p. m.	30.19	6	7 a. m.	29.83
Alabama	Auburn	29.37	31	9 p. m.	29.55	29	9 p. m.	29.17
Mississippi	Oxford (*b*)	29.49	13	2 p. m.	29.65	5	2 p. m.	29.34
	Port Gibson (*c*)	29.81	20	7 a. m.	29.88	31	9 p. m.	29.62
Louisiana	New Orleans	30.16	13	7 a. m.	30.36	6	9 p. m.	29.87
Texas	New Wied (*d*)	28.65	13	7 a. m.	28.82	6	2 p. m.	*e* 28.50
Tennessee	Glenwood (*f*)	29.56	13	7 a. m.	29.80	5	9 p. m.	29.27
Kentucky	Springdale	29.42	18	7 a. m.	29.68	5	9 p. m.	29.22
Ohio	Germantown	29.26	19	7 a. m.	29.55	9	7 a. m.	29.02
	Granville	29.02	19	7 a. m.	29.32	9	7 a. m.	28.74
	Hillsborough	28.92	19	7 a. m.	29.19	9	7 a. m.	28.69
	Jackson, [Gilmore] (*d*)	29.40	18	9 p. m.	29.65	16	9 p. m.	29.12
	Oberlin	29.17	19	7 a. m.	29.48	9	7 a. m.	28.81
	Perrysburg	29.41	19	7 a. m.	29.74	8	9 p. m.	29.08
	Urbana	28.81	19	7 a. m.	29.09	9	7 a. m.	28.55
	Zanesville	29.16	19	7 a. m.	29.46	9	7 a. m.	28.87
Michigan	Ann Arbor, [Winchell]	29.11	19	7 a. m.	29.47	9	7 a. m.	28.75
	Battle Creek	29.07	18	7 a. m.	29.36	8	9 p. m.	28.76
	Detroit	29.52	18	7 a. m.	29.82	20	9 p. m.	29.15
Indiana	Milton	29.08	19	7 a. m.	29.38	16	2 p. m.	28.89
	New Harmony	29.65	18	7 a. m.	29.91	10	2 p. m.	29.43
Illinois	Manchester	28.68	18	7 a. m.	29.01	23	9 p. m.	28.50
	Upper Alton	29.48	19	7 a. m.	29.79	10	7 a. m.	29.28
Missouri	St Louis	29.49	18	2 p. m.	29.75	10	2 p. m.	29.26
Wisconsin	Beloit	29.22	18	7 a. m.	29.54	8	2 p. m.	28.93
	Milwaukee, [Winkler]	29.32	18	2 p. m.	29.61	8	9 p. m.	29.03
	Superior	29.21	26	2 p. m.	29.55	11	7 a. m.	28.75
Iowa	Dubuque	29.35	18	2 p. m.	29.63	8	2 p. m.	29.08
	Muscatine	29.47	18	7 a. m.	29.82	10	2 p. m.	29.20

a Observations omitted from the 20th to the 30th of the month.
b For the first 14 days of the month only.
c For the last 12 days of the month only.
d Not corrected for temperature.
e Same height at 2 p. m. on the 7th.
f Observations omitted from the 13th to the 23d of the month.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1855.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches*			*Inches.*
British America	Horton	29.58	24	7 a. m.	29.90	18	2 p. m.	29.22
	Montreal	29.91	5	7 a. m.	30.24	26	9 p. m.	29.45
	St. Martin	29.83	5	7 a. m.	30.16	26	9 p. m.	29 33
	Toronto	29.72	------	--------	30.09	------	--------	29.24
Maine	Carmel	29.68	24	7 a. m.	30.05	27	2 p. m.	29.29
	Gardiner	29.86	15	7 a. m.	30.36	3	7 a. m	29.21
	Steuben	30.10	23	7 a. m.	*a* 30.42	2	2 p. m	29.26
New Hampshire	Concord	29.74	5	7 a. m.	30.05	27	7 a. m.	29.31
	Manchester	30.06	5	7 a. m.	30.35	18	7 a. m.	29.63
Vermont	Burlington	29.75	20	7 a. m.	30.07	29	9 p. m.	29.32
Massachusetts	Amherst	29.85	20	7 a. m.	30.18	18	2 p m.	29.40
	Nantucket	30.09	1	7 a. m.	*b* 30.35	27	2 p.m.	29.69
	New Bedford	30.00	20	7 a. m.	30.29	18	2 p.m.	29.53
	Newburyport (*c*)	30.09	20	7 a. m	30.39	18	1½ p.m.	29.63
	North Attleboro'	29.91	20	7 a. m.	30.22	18	2 p m.	29.44
	Princeton	28.95	19	9 p.m.	29.27	27	2 p.m.	28.46
	Southwick	30.07	20	7 a. m.	30.36	27	7 a. m.	29.68
	Westfield	30.24	20	7 a. m.	30.46	12	2 p. m.	30.04
	Williamstown	29.37	5	7 a. m.	*b* 29.67	27	7 a. m.	28.99
	Worcester	29.54	5	2 p. m.	29.88	27	7 a. m.	29.16
Rhode Island	Providence (*c*)	29.89	19	10 p. m.	*b* 30.17	18	1 p. m.	29.42
Connecticut	Pomfret	29.00	5	7 a. m.	*b* 29.28	18	2 p. m.	28.61
New York	Buffalo (*c*)	29.42	19	9 p. m.	29.70	26	2 p. m.	29.03
	Canton	29.52	20	7 a. m.	29.82	26	9 p. m.	29.08
	New York city	30.05	20	7 a. m.	30.34	18	2 p. m.	29.67
	Oswego	29.61	19	9 p. m.	29.91	30	9 p. m.	29.22
	Penn Yan (*c*)	29.36	19	Sunset.	29.59	26	2 p. m.	28.94
	Sag Harbor	29.82	20	7 a. m.	30.11	27	7 a. m.	29.38
	Spencertown	29.45	24	7 a. m.	29.83	18	2 p. m.	29.00
New Jersey	Bloomfield	29.95	20	7 a. m.	30.23	27	7 a. m.	29.55
	Burlington	30.08	24	7 a. m.	*d* 30.32	9	9 p. m.	29.70
	Lambertville	30.19	24	7 a. m.	30.48	26	9 p. m.	29.87
	Newark (*c*)	30.10	------	--------	30.39	------	--------	29.73
Pennsylvania	Gettysburg	29.53	6	7 a. m.	29.78	19	7 a. m.	29.10
	Harrisburg	29.86	5	7 a. m.	*b* 30.07	26	9 p. m.	29.49
	Lima	29.95	5	7 a. m.	30.21	26	9 p. m.	29.57
	Morrisville (*e*)	30.20	24	7 a. m.	*d* 30.45	26	9 p. m.	29.85
	Norristown	30.03	20	7 a. m.	30.28	26	9 p. m.	29.66
	Philadelphia	29.98	20	7 a. m.	30.22	18	2 p. m.	29.62
	Pittsburg, [Oakland Station]	29.04	19	7 a. m.	29.24	26	2 p. m.	28.72
	Pittsburg, [Marine hospital] (*f*)	29.04	28	9 a. m.	29.24	26	3 p. m.	28.68
	Pottsville	29.34	1	7 a. m.	29.60	18	2 p. m.	28.99
Delaware	Newark (*g*)	29.89	20	7 a. m.	30.21	26	2 p. m.	29.59
Maryland	Frederick	29.68	24	7 a. m.	29.90	26	2 p. m.	29.34
Dist. of Columbia	Washington	31.12	5	7 a. m.	30.38	26	9 p. m.	29.75
Virginia	Alexandria	30.10	24	7 a. m.	30.35	26	9 p. m.	29.76
North Carolina	Chapel Hill	29.53	1	9 p. m.	29.77	27	7 a. m.	29.32
South Carolina	All Saints	30.04	1	2 p. m.	30.28	29	9 p. m.	29.80
	Camden	29.93	1	7 a. m	30.16	30	2 p. m.	29.68
	Charleston	------	------	-------	30.50	------	--------	30.08
Georgia	Savannah	30.09	1	7 a. m.	30.30	30	2 p. m.	29.84
	Sparta	29.44	1	7 a. m.	*h* 29.61	30	2 p. m.	29.23
	The Rock	29.47	------	--------	29.60	------	--------	29.30

a Same height at 2 p. m. and 9 p. m. on the 23d.
b Same height at 7 a. m. on the 20th.
c For changes in hours of observation see tables of thermometer for this month.
d Same height at 2 p. m. on the 24th.
e Not corrected for temperature.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Max. 29.21; min. 28.78.
g Incomplete.
h Same height at 2 p. m. on the 1st, and at 7 a. m. on the 2d.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys	20. 90	1	7 a. m.	*a* 30. 04	27	7 a. m.	*b* 29. 79
	Jacksonville	30. 12	1	7 a. m.	30. 32	30	2 p. m.	29. 91
	Key West	29. 71	1	2 p. m	29. 84	27	7 a. m.	*c* 29. 60
	Knox Hill	29. 85	1	9 p. m.	30. 03	30	2 p. m.	29. 67
	Warrington	30. 04	1	2 p. m.	*d* 30. 20	30	2 p m.	29. 81
Alabama	Auburn	29. 40	1	7 a. m	29. 60	------	--------	29. 17
Mississippi	Oxford (*e*)	29. 55	14	7 a. m	29. 64	29	2 p. m.	29. 33
Louisiana	New Orleans	30. 19	1	9 p. m	30. 34	16	7 a. m.	29. 93
Texas	New Wied (*f*)	28. 69	30	7 a. m	28. 80	29	7 a. m.	28. 58
Tennessee	Glenwood	29. 58	1	7 a. m	29. 75	29	9 p. m.	29. 33
Kentucky	Springdale	29. 44	1	7 a. m.	29. 64	29	9 p. m.	29. 23
Ohio	Germantown	29. 28	7	7 a. m.	29. 43	29	9 p. m.	28. 99
	Granville	29. 05	7	7 a. m.	29. 22	26	2 p. m.	28. 78
	Hiram	28. 87	7	7 a. m.	29. 09	2	2 p. m.	28. 61
	Hillsborough	28. 94	1	7 a. m.	29. 11	30	7 a. m.	28. 68
	Jackson, [Gilmor]	29. 43	1	7 a. m.	*g* 29. 57	30	7 a. m.	29. 15
	Oberlin	29. 18	6	7 a. m.	29. 35	30	7 a. m.	28. 86
	Perrysburg	29. 44	24	9 p. m.	29. 65	29	9 p m.	29. 12
	Urbana	28. 83	1	9 p. m.	28. 98	30	7 a. m.	28. 57
	Zanesville	29. 19	7	7 a. m.	29. 38	30	7 a. m.	28. 91
Michigan	Ann Arbor, [Winchell]	29. 13	19	9 p. m.	29. 34	29	9 p. m.	28. 79
	Battle Creek	29. 08	19	2 p. m.	*h* 29. 25	29	9 p. m.	28. 78
	Detroit	29. 58	19	2 p. m.	*h* 29. 78	29	9 p. m.	29. 23
Indiana	Milton	29. 10	10	7 a. m.	29. 26	29	9 p. m.	28. 83
	New Harmony	29. 65	6	7 a. m.	29. 79	29	2 p. m.	29. 42
Illinois	Manchester	28. 68	27	7 a. m.	28. 87	18	9 p. m.	28. 51
	Upper Alton	29. 48	1	9 p. m.	29. 64	29	2 p. m	29 25
Missouri	St Louis	29. 48	10	7 a. m.	29. 65	18	2 p. m.	29. 30
Wisconsin	Beloit	29. 24	6	7 a. m.	29. 39	29	2 p. m.	29. 00
	Milwaukee, [Winkler]	29. 35	19	2 p. m.	29. 54	29	9 p. m.	29. 07
	Superior	29. 32	19	7 a. m	*i* 29. 70	28	2 p. m.	28. 89
Iowa	Dubuque	29. 34	13	7 a. m.	29. 55	17	9 p. m.	29. 04
	Muscatine	29. 48	6	7 a. m.	29. 69	17	9 p. m.	29. 23

a Same height at 2 p. m. on the 1st, and 7 a. m. on the 2d.
b Same height at 2 p. m. on the 27th, and 7 a. m., 2 and 9 p. m. on the 30th.
c Same height at 7 a. m. on the 28th.
d Same height at 2 p. m. on the 2d.
e For the last 22 days of the month only.
f Not corrected for temperature.
g Same height at 2 p. m. on the 1st.
h Same height at 9 p. m. on the 19th.
i Same height at 2 and 9 p. m. on the 19th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
British America	Horton	29.55	31	9 p. m.	29.99	28	9 p. m.	29.00
	Montreal	29.73	31	7 a. m.	30.17	6	9 p. m.	29.30
	St. Martin	29.67	31	7 a. m.	30.15	6	9 p. m.	29.19
	Toronto	29.55	------	------	29.92	------	------	28.94
Maine	Carmel (*a*)	29.56	31	9 p. m	29.97	28	2 p. m.	29.08
	Gardiner	29.73	31	2 p. m.	30.18	28	2 p. m.	29.27
	Portland (*b*)	29.82	11	2 p. m.	30.80	28	2 p. m	29.34
	Steuben	29.98	31	9 p. m.	30.42	28	2 p. m.	29.44
New Hampshire	Concord	29.55	31	7 a. m	30.00	28	2 p. m.	29.06
	Manchester (*a*)	29.85	10	9 p. m.	30.18	4	9 p. m.	29.43
Vermont	Burlington	29.56	31	7 a. m.	30.03	28	7 a. m.	29.07
Massachusetts	Amherst	29.66	31	7 a. m	30.12	3	2 p. m.	29.22
	Nantucket	29.92	31	7 a. m	30.35	28	2 p. m.	29.40
	New Bedford	29.83	31	7 a. m.	30.29	28	2 p. m	29 32
	Newburyport (*a*)	29.90	31	1½ p. m.	30.35	3	7 a. m.	29.45
	North Attleboro'	29.74	31	7 a. m	30.18	28	2 p. m.	29.24
	Princeton	28.75	31	7 a. m.	29.19	28	7 a. m.	*c* 28.28
	Southwick (*d*)	29.84	11	7 a. m.	30 17	3	2 p. m.	29.41
	Westfield	30.15	3	7 a. m.	30.44	28	7 a. m.	29.95
	Williamstown	29.18	31	7 a. m.	29.62	28	7 a. m.	28.65
	Worcester	29.39	31	2 p. m.	29.78	28	7 a. m.	28.88
Rhode Island	Providence (*a*)	29.70	31	Sunrise	30.16	28	Sunrise.	29.17
Connecticut	Pomfret	28.83	31	7 a. m.	*e* 29.22	28	2 p. m.	28.33
New York	Buffalo (*a*)	29.25	31	7 a. m.	29.61	27	9 p. m.	28.77
	Canton	29.33	10	2 p. m.	29.79	28	7 a. m	28.86
	New York city	29.90	31	7 a. m	30.30	3	7 a. m.	29.46
	Oswego	29.21	31	7 a. m.	29.60	28	7 a. m.	28.72
	Penn Yan (*a*)	29.17	31	Sunrise.	29.52	28	Sunrise	28.65
	Sag Harbor	29.63	31	9 p. m	30.07	3	7 a. m.	29.14
	Spencertown	29.35	31	7 a. m.	29.81	28	7 a. m.	28.81
New Jersey	Bloomfield	29.76	31	7 a. m.	30.22	28	7 a. m.	29 27
	Burlington (*b*)	29.92	31	2 p. m.	30.24	3	7 a. m.	29.50
	Lambertville	30.00	31	2 p. m.	36.44	28	7 a. m.	29.57
	Newark (*a*)	29.95	------	------	30.19	------	------	29.48
Pennsylvania	Bedford	29.13	1	7 a. m.	29.40	24	2 p. m	28.89
	Gettysburg	29.38	31	7 a. m.	29.79	3	7 a. m.	28.98
	Harrisburg	29.70	31	2 p. m.	30.03	28	7 a. m.	29.25
	Lima	29.80	31	7 a. m.	30.18	28	7 a. m.	29.33
	Morrisville (*b*)	30.04	31	7 a. m.	30.45	3	7 a. m.	29.60
	Norristown	29.89	31	7 a. m.	30.26	3	7 a. m.	29.46
	Philadelphia	29.83	31	7 a. m.	30.18	3	7 a. m.	29.45
	Pittsburg, [Oakland Station]	28.90	10	7 a. m.	29.15	3	7 a. m	28.58
	Pittsburg, [Marine Hospital] (*f*)	28.93	10	9 a. m.	29.23	6	9 a. m.	28.61
	Pottsville	29.16	31	7 a. m.	29.56	3	7 a. m.	28.78
Delaware	Newark (*a*)	29.72	31	7 a. m.	*g* 30.07	3	7 a. m.	29.34
Maryland	Chestertown	29.75	31	7 a. m.	30.01	3	7 a. m.	29.32
	Frederick	29.55	31	7 a. m.	29.92	6	2 p. m.	29.20
Dist. of Columbia	Washington	30.00	31	7 a. m.	30.33	2	9 p. m.	29.60
Virginia	Alexandria	29.99	31	7 a. m.	30.30	3	7 a. m.	29.63
North Carolina	Chapel Hill	29.44	26	7 a. m	29.67	2	9 p. m.	29.12
South Carolina	All Saints	29.97	26	7 a. m	30.25	2	2 p. m.	29.61
	Camden	29.85	26	7 a. m.	30.19	2	2 p. m	29.48
	Charleston	------	------	------	30.37	------	------	29.82
Georgia	Savannah	30.03	26	7 a. m.	30.31	2	2 p. m	29.70
	Sparta	29.42	26	7 a. m.	29.64	2	2 p. m.	29.19
	The Rock (*h*)	29.42	------	------	29.55	------	------	29.30

a For changes in hours of observation see tables of thermometer for this month.
b Not corrected for temperature.
c Same height at 2 p. m. on the 28th.
d Incomplete.
e Same height at 2 p. m. on the 31st.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m. 28.95; max. 29.23; min. 28.61.
g Same height at 9 p. m. on the 31st.
h Observations taken morning, 3 p. m., and evening.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Florida	Cedar Keys	29.88	26	7 a. m.	30.09	2	9 p. m.	29.69
	Jacksonville	30.09	26	7 a. m.	30.36	2	2 p. m.	29.80
	Key West	29.69	25	2 p. m.	29.80	12	7 a. m.	29.56
	Knox Hill	29.85	26	7 a. m.	30.07	2	2 p. m.	29.66
	Warrington (*a*)	30.04	25	Sunrise	30.27	5	Sunset	29.81
Alabama	Auburn	29.37	26	7 a. m.	29.58	5	9 p. m.	29.15
Mississippi	Oxford	29.57	24	9 p. m.	29.80	5	7 a. m.	29.28
Louisiana	New Orleans	30.26	7	7 a. m.	30.44	5	7 a. m.	29.91
Texas	New Wied (*b*)	28.89	4	7 a. m.	29.37	4	9 p. m.	28.45
Arkansas	Camden (*a*)	29.11	------	------	29.44	------	------	28.75
Tennessee	Glenwood	29.58	25	7 a. m.	29.82	4	2 p. m.	29.26
Kentucky	Millersburg	29.19	9	2 p. m.	29.53	1	7 a. m.	28.43
	Springdale	29.41	10	7 a. m.	29.70	4	2 p. m.	29.12
Ohio	Cincinnati, [Hurtt]	29.41	10	7 a. m.	*c* 29.65	1	2 p. m.	29.14
	Germantown	29.21	10	7 a. m.	*d* 29.44	2	2 p. m.	28.91
	Granville	28.97	17	7 a. m.	29.19	21	2 p. m.	28.64
	Hillsborough	28.85	10	7 a. m.	29.10	2	2 p. m.	28.57
	Hiram	28.80	16	9 p. m.	29.08	3	2 p. m.	28.54
	Jackson, [Gilmor] (*b*)	29.30	10	2 p. m.	29.58	2	2 p. m.	29.06
	Oberlin	29.08	16	9 p. m.	29.37	27	9 p. m.	28.68
	Perrysburg	29.34	16	7 a. m.	29.74	27	9 p. m.	28.94
	Urbana	28.74	17	7 a. m.	28.98	4	2 p. m.	28.48
	Zanesville	29.11	16	9 p. m.	29.36	21	2 p. m.	28.82
Michigan	Ann Arbor, [Winchell]	29.01	16	9 p. m.	29.34	27	9 p. m.	28.55
	Battle Creek	29.00	16	7 a. m.	29.32	21	7 a. m.	28.09
	Detroit	29.44	16	9 p. m.	29.79	27	9 p. m.	28.98
Indiana	Milton	29.03	16	9 p. m.	29.33	2	7 a. m.	28.73
	New Harmony	29.68	11	2 p. m.	29.91	4	9 p. m.	29.33
Illinois	Manchester	28.75	25	7 a. m.	29.08	4	7 a. m.	*e* 28.41
	Upper Alton	29.47	11	7 a. m.	29.80	4	2 p. m.	29.11
Missouri	St. Louis	29.49	11	7 a. m.	29.83	4	2 p. m.	29.07
Wisconsin	Beloit	29.18	11	7 a. m.	29.45	3	9 p. m.	28.80
	Milwaukee, [Winkler]	29.28	4	7 a. m.	29.91	26	7 a. m.	28.91
	Superior	29.30	23	9 p. m.	29.76	27	2 p. m.	28.79
Iowa	Dubuque	29.32	11	7 a. m.	29.65	1	2 p. m.	28.80
	Muscatine	29.49	12	7 a. m.	29.86	3	9 p. m.	29.05
	Quasqueton (*a*)	29.08	11	7 a. m.	29.45	3	2 p. m.	28.61
West Indies	Up Park Camp, Jamaica (*a*)	29.75	27	9½ a. m.	*f* 29.89	12	3½ p. m.	29.62

a For changes in hours of observation see tables of thermometer for this month.
b Not corrected for temperature.
c Same height at 7 a. m. on the 16th.
d Same height at 9 p. m. on the 16th.
e Same height at 1 p. m. on the 4th.
f Same height at 9½ a. m. on the 28th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Horton	29.57	12	2 p. m.	30.10	29	2 p. m.	28.86
	Montreal	29.88	9	2 p. m.	3 .29	28	2 p. m.	29.11
	St. Martin	29.84	9	9 p. m.	30.26	28	7 a. m.	29.02
	Toronto	29.66	------	--------	30.13	------	--------	28.98
Maine	Carmel	29.69	9	9 p. m.	30.19	28	9 p. m.	28.97
	Gardiner	29.87	12	7 a. m.	30.30	21	2 and 9.	29.20
	Portland (*a*)	29.95	17	9 p. m.	30.50	29	7 a. m.	29.25
	Steuben	30.07	12	7 a. m.	30.59	25	7 a. m.	29.23
New Hampshire	Concord	29.69	10	7 a. m-	30.11	28	2 p. m.	*b* 29.00
	Manchester	30.10	12	7 a. m.	30.48	28	9 p. m.	29.44
Vermont	Burlington	29.71	9	9 p. m.	30.13	28	2 p. m.	28.97
Massachusetts	Amherst	29.81	10	7 a. m.	30.22	28	2 p. m.	29.13
	Nantucket	30.02	10	7 a. m.	30.40	29	7 a. m.	29.37
	New Bedford	29.95	10	7 a. m.	30.32	29	7 a. m.	29.25
	Newburyport	30.04	10	7 a. m.	30.46	28	2 p. m.	29.34
	North Attleboro'	29.87	10	7 a. m.	30.27	29	7 a. m.	29.17
	Princeton	28.87	10	7 a. m.	29.27	28	9 p. m.	28.21
	Southwick (*c*)	30.10	10	7 a. m.	30.38	29	7 a. m.	29.39
	Westfield	30.21	10	7 a. m.	30.50	28	2 p. m.	29.90
	Williamstown	29.31	10	7 a. m.	29.68	29	7 a. m.	28.56
	Worcester	29.51	10	7 a. m.	29.88	29	7 a. m.	28.44
Rhode Island	Providence (*d*)	29.86	10	Sunrise.	30.24	28	1 p. m.	29.16
Connecticut	Pomfret	28.95	10	7 a. m.	29.32	29	7 a. m.	28.32
New York	Blackwell's Island	30.09	10	7 a. m.	30.42	28	9 p. m.	29.41
	Buffalo (*d*)	29.40	9	2 p. m.	29.77	28	9 p. m.	28.62
	Canton	29.45	9	9 p. m.	29.89	28	2 p. m.	28.70
	New York city	30.03	10	7 a. m.	30.35	28	9 p. m.	29 39
	Ogdensburg	29.74	9	2 p. m.	30.14	28	7 a. m.	28.96
	Oswego	29 32	9	2 p. m.	29.73	27	9 p. m.	28.80
	Ovid	28.90	9	2 p. m.	29.28	28	2 p. m.	28.27
	Penn Yan (*d*)	29.28	9	2 p. m.	29.65	27	Sunrise.	28.63
	Spencertown	29.49	9	9 p. m.	29.85	28	9 p. m	28.79
New Jersey	Bloomfield	29.93	10	2 p. m.	30.29	28	2 p. m.	29.26
	Burlington (*a*)	30.07	20	2 p. m.	30.35	28	9 p. m	29.50
	Lambertville	30.16	22	9 p. m.	30.46	28	9 p. m.	29.56
	Newark	30.05	------	--------	30.37	------	---- ---	29.40
Pennsylvania	Bedford	29.16	9	7 a. m.	29.48	28	2 p. m.	28.63
	Gettysburg	29.53	9	7 a. m.	29.83	28	2 p. m.	28.86
	Harrisburg	29.85	9	7 a. m.	30.12	28	7 a. m.	29.31
	Lima	29.93	10	7 a. m.	30.23	28	2 p. m.	29.28
	Morrisville (*a*)	30.15	22	9 p. m.	30.48	28	9 p. m.	29.52
	Norristown	29.97	20	2 p. m.	30.30	28	9 p. m.	29.12
	Philadelphia	29.95	10	7 a. m.	30.22	28	9 p. m.	29.33
	Pittsburg, [Oakland Station]	29.01	9	7 a. m.	29.35	28	2 p. m.	28.45
	Pittsburg, [Marine Hospital] (*e*)	29.01	22	9 a. m.	29.39	28	3 p. m.	28.46
	Pottsville	29.29	9	7 a. m.	29.62	28	2 p. m.	28.67
Delaware	Newark (*c*)	29.80	20	7 a. m.	30.13	28	2 p. m.	29.25
Maryland	Annapolis (*f*)	30.12	20	7½ a. m.	30.43	28	2 p. m.	29.45
	Chestertown	29.88	20	7 a. m.	30.09	28	2 p. m.	29.23
	Frederick	29.66	20	7 a. m.	29.93	28	2 p. m.	29.06
Dist. of Columbia	Washington	30.12	20	7 a. m.	30.44	28	2 p. m.	29.46
Virginia	Alexandria	30.11	22	2 p. m.	30.43	28	2 p. m.	29.47
North Carolina	Chapel Hill	29.83	22	9 p. m.	29.77	28	9 p. m.	29.00
South Carolina	All Saints	30.04	22	9 p. m.	30.32	28	9 p. m.	29.50
	Camden	29.93	22	9 p. m.	30.23	28	2 p. m.	29.41
	Charleston	----------	------	--------	30.39	------	--------	29.68

a Not corrected for temperature.
b Same height at 9 p. m. on the 28th.
c Incomplete.
d See notes on tables of thermometer for this month.
e Observations taken at sunrise, 9 a. m., 3 and 9 p. m. Max. 29.39; min. 28.56.
f Observations taken at sunrise, 7½ a. m., 2 and 9 p. m. Max. 30.34; min. 29.51.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Georgia	Savannah	30.08	22	9 p. m.	30.35	28	2 p. m	29.61
	Sparta	29.45	22	9 p. m.	29.66	28	2 p. m.	29.05
	The Rock (*a*)	29.40	------	-------	29.60	------	-------	29.30
Florida	Cedar Keys	29.89	23	7 a. m.	30.07	28	7 a. m.	29.58
	Jacksonville	30.09	22	2 p. m.	30.31	28	2 p. m	29.61
	Key West	29.65	25	2 p. m.	29.80	29	7 a. m.	29.49
	Knox Hill	29.84	22	9 p. m.	30.04	28	2 p. m.	29.56
	St. Augustine	30.15	14	7 a. m.	30.37	28	2 p. m	29.70
	Warrington (*b*)	30.00	22	Noon.	30.23	11	Sunset.	29.79
Alabama	Auburn	29.37	22	9 p. m.	29.61	28	2 p. m.	29 00
Mississippi	Oxford	29.56	19	7 a. m.	29.92	5	9 p. m.	29.31
Louisiana	New Orleans	30.20	19	7 a. m.	30.44	6	2 p. m.	29.90
Texas	New Wied (*c*)	28.89	27	7 a. m.	29.27	4	9 p. m.	28.48
Arkansas	Camden	29.31	22	7 a. m.	29.84	4	9 p. m.	28.66
Tennessee	Glenwood	29.59	22	7 a. m.	29.99	28	2 p. m.	29.24
Kentucky	Millersburg (*d*)	29.21	19	7 a. m.	29.52	28	7 a. m.	28.83
	Springdale	29.44	22	7 a. m.	29.88	28	2 p. m.	29.00
Ohio	Cincinnati, [Hurtt]	29.50	22	7 a. m.	29.90	28	2 p. m.	29.05
	Germantown	29.31	27	7 a. m.	29.71	9	2 p. m.	28.83
	Granville	29.01	22	7 a. m.	29.40	28	7 a. m	28.52
	Hillsborough	28.90	22	7 a. m.	29.28	28	2 p. m.	28.40
	Jackson (*c*)	29.34	22	2 p. m	29.69	28	2 p. m.	28.78
	Oberlin	29.14	9	7 a. m.	29.50	28	7 a. m.	28.62
	Perrysburg (*d*)	29.40	9	7 a m.	29.80	28	1 p. m.	28.90
	Urbana	28.81	22	2 p. m.	29.13	28	9 p. m.	28.37
	Zanesville	29.19	22	7 a. m.	29.58	28	2 p. m.	28.70
Michigan	Ann Arbor, [Winchell]	29.08	22	7 a. m.	29.49	28	7 a. m	28.56
	Battle Creek	29.06	9	7 a. m.	29.45	28	7 a. m.	28.59
	Detroit	29.55	22	7 a. m.	29.95	28	7 a. m.	29.01
Indiana	Milton	29.06	22	7 a. m.	29.40	28	7 a. m	28.58
	New Harmony	29.68	22	7 a. m.	30.13	5	2 p. m	29.29
Illinois	Manchester (*d*)	28.78	22	7 a. m.	29.28	5	1 p. m.	28.32
	Upper Alton	29 49	21	9 p. m.	29.93	5	2 p. m.	29.01
Missouri	St. Louis	29.49	22	7 a. m.	29.92	5	2 p. m.	28.99
Wisconsin	Beloit	29.20	21	9 p. m.	29.63	5	2 p. m	28.60
	Milwaukee, [Winkler]	28.30	19	7 a. m.	29.71	25	7 a. m.	28.82
	Superior	29.28	19	7 a. m.	29.77	5	9 p. m.	28.58
Iowa	Dubuque	29.30	19	7 a. m.	29.79	5	2 p. m.	28.58
	Muscatine	29.48	19	7 a. m.	29.93	5	7 a. m	28.94
	Quasqueton (*b*)	29.07	19	7 a. m.	29.50	5	9 p. m.	28.59
West Indies	Up Park Camp, Jamaica	29.74	27	9½ a. m.	29.89	19	3½ p. m.	29.64

a Observations taken morning, 3 p. m., and evening.
b Incomplete.
c Not corrected for temperature.
d See notes on tables of thermometer for this month.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Horton	29.53	15	2 p. m.	30.18	26	2 p. m.	28.56
	Montreal	29.81	12	9 p. m	30.38	10	7 a. m.	28.71
	St. Martin	29.80	12	9 p. m.	30.32	10	7 a. m.	28.69
	Toronto	29.70	------	--------	30.20	------	--------	28.46
Maine	Carmel	29.65	15	7 a. m.	30.19	10	7 a. m.	28.62
	Gardiner	29.82	15	7 a. m.	30.36	26	7 a. m.	29.15
	Portland	29.84	14	2 p. m.	30.84	10	7 a. m.	28.81
	Steuben	30.02	14	2 p. m.	30.74	26	7 a. m.	29.19
New Hampshire	Concord	29.65	13	7 a. m.	30.17	9	9 p. m.	28.53
	Manchester	29.93	27	7 a. m	30.34	9	9 p. m.	28.91
Vermont	Burlington	29.65	12	9 p. m	30.21	9	9 p. m.	28.56
Massachusetts	Amherst	29.82	13	7 a. m.	30.38	9	9 p. m.	28.64
	Nantucket	29.98	13	7 a. m.	30.54	9	9 p. m.	29.11
	New Bedford	29.91	15	7 a. m.	30 47	9	9 p. m.	28.89
	Newburyport	30.01	13	7 a. m.	30.55	9	9 p. m.	28.92
	North Attleboro'	29.83	13	7 a. m.	30.37	9	9 p. m.	28.76
	Princeton	28.80	14	2 p. m.	29.31	9	9 p. m.	27.76
	Southwick	30.00	13	7 a. m.	30.50	10	7 a. m.	29.13
	Westfield	30.19	12	9 p. m.	30.60	9	9 p m.	29.72
	Williamstown	29.26	14	2 p. m.	29.80	9	9 p. m.	28.20
	Worcester	29.47	13	7 a. m.	30.24	10	7 a. m.	28.65
Rhode Island	Providence (*b*)	29.80	14	Sunrise.	30.33	10	Sunrise.	28.94
Connecticut	Pomfret	28.90	13	7 a. m	*a* 29.35	9	9 p. m.	27.95
New York	Buffalo (*b*)	29.33	12	7 a. m.	29.83	9	1 p. m.	28.28
	Canton	29.37	12	9 p. m	29.94	10	7 a. m.	28.33
	Madrid (*c*)	29.66	12	9 p. m.	30.18	9	9 p. m	28.56
	New York city	30.01	12	9 p. m.	30.49	9	9 p. m.	29.08
	Oswego	29.29	6	9 p. m.	29.85	9	2 p. m	28.24
	Ovid	28.84	12	7 a. m.	*d* 29.29	9	2 p. m.	27.89
	Penn Yan	29.22	12	2 p. m.	29.74	9	Sunset.	28.18
	Sag Harbor	29.77	14	2 p. m.	*e* 30.28	9	9 p. m.	28.68
	Spencertown	29.44	12	9 p. m.	29.96	9	9 p. m.	28.35
New Jersey	Bloomfield (*b*)	29.90	12	9 p. m.	30.40	9	9 p. m.	28.89
	Burlington (*f*)	30.04	27	2 p. m.	30.54	9	9 p m.	29.10
	Lambertville	30.11	14	10 a. m.	30.65	9	9 p. m.	29.12
	Newark	30.04	------	--------	----------	------	--------	--------
Pennsylvania	Dickinson College	29.25	27	2 p. m.	29.75	2	2 p. m.	28.16
	Gettysburg	29.49	27	7 a. m.	30.06	9	2 p. m.	28.47
	Harrisburg	29.81	27	7 a. m.	30.35	9	2 p. m.	28.83
	Lima	29.91	27	7 a. m.	30.48	9	9 p. m.	28.92
	Morrisville	30.14	27	7 a. m	*g* 30.65	9	9 p. m.	29.20
	Norristown	30.03	27	7 a. m.	30.55	10	7 a. m.	29.27
	Philadelphia	29.92	12	2 p. m.	30.44	9	9 p. m.	28.98
	Pittsburg, [Oakland Station]	28.94	27	7 a. m.	29.53	9	2 p. m.	27.94
	Pittsburg, [Marine Hospital] (*h*)	28.99	27	9 a. m.	29.55	9	3 p. m.	28.05
	Pottsville	29.26	27	7 a. m.	29.81	9	2 p. m.	28.22
Maryland	Annapolis (*b*)	30.10	27	8 a m.	30.68	9	2 p. m.	29.07
	Chestertown	29.84	27	7 a. m.	30.35	9	2 p. m.	28.90
	Frederick	29.67	27	7 a. m.	30.35	9	2 p. m.	28.61
Dist. of Columbia	Washington	30.11	27	7 a. m.	30.74	9	2 p. m.	29.07
Virginia	Alexandria	30.09	27	7 a. m.	30.68	9	2 p. m	29.15
North Carolina	Chapel Hill	29.52	27	7 a. m.	30.07	9	2 p. m	28.83
South Carolina	All Saints	30.07	27	2 p. m.	30.57	9	2 p. m.	29.45
	Camden	29.97	27	7 a. m.	30.47	9	2 p. m.	29 33
	Charleston	----------	------	--------	30.71	------	-------	29.71
Georgia	Savannah	30.12	27	7 a. m.	30.60	9	2 p. m.	29.63
	Sparta	29.49	27	7 a. m.	29.90	9	2 p. m.	29.04
	The Rock (*i*)	29.45	------	--------	29.70	------	--------	29.00

a Same height at 2 p. m. on the 14th.
b See notes on thermometer for this month.
c Irregular; no observations before the 9th day.
d Same height at 7 a. m. on the 14th.
e Same height at 9 p. m. on the 14th.
f Not corrected for temperature.
g Same height at 2 and 9 p. m. on the 27th.
h Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 29.01; maximum, 29.55; minimum, 28.06.
i Observations taken in the morning, 3 p. m., and evening.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Florida	Cedar Keys	29.93	12	7 a. m.	30.30	9	2 p. m.	29.63
	Jacksonville	30.20	27	2 p. m.	30.58	9	2 p. m	29.81
	Key West	29.75	12	2 p. m.	29.96	3	7 a. m	29.60
	Warrington	30.10	12	2 p. m.	30.48	1	9 p. m.	29.79
Alabama	Auburn	29.40	------	--------	29.77	------	--------	29.02
Mississippi	Oxford	29.63	26	2 p. m	30.41	8	9 p. m.	29.13
Louisiana	New Orleans	30.27	26	9 p. m.	30.66	22	2 p. m.	29.93
Texas	New Wied	29.04	26	7 a. m.	29.55	22	9 p. m.	28.64
Tennessee	Glenwood	29.62	27	7 a. m.	30.02	9	7 a. m.	29.04
Kentucky	Millersburg	29.23	20	2 p. m.	29.54	9	7 a. m.	28.33
	Springdale	29.46	27	7 a. m.	29.98	9	7 a. m.	28.58
Ohio	Cincinnati, [Lea]	------	------	--------	30.15	------	--------	28.38
	Cincinnati, [Hurtt]	29.32	12	7 a. m.	29.84	22	2 p. m.	28.53
	Germantown	29.31	22	7 a. m.	29.86	28	2 p. m.	28.32
	Granville	28.97	26	9 p. m.	29.45	9	7 a. m.	27.99
	Hillsborough	28.88	27	7 a. m.	29.41	9	7 a. m.	27.91
	Oberlin	29.10	27	7 a. m.	29.70	9	7 a. m.	28.02
	Perrysburg	29.38	12	7 a. m.	29.93	9	1 p. m.	28.34
	Urbana	28.76	27	7 a. m.	29.16	9	7 a. m.	27.75
	Zanesville	29.18	27	7 a. m.	29.74	9	7 a. m.	28.24
Michigan	Ann Arbor, [Winchell] (*a*)	29.00	12	7 a. m.	29.49	9	2 p. m.	27.96
	Battle Creek	29.06	27	7 a. m.	29.62	9	2 p. m.	28.01
	Detroit	29.51	27	2 p. m.	30.04	9	2 p. m.	28.41
Indiana	Milton	29.06	27	7 a. m.	29.51	9	7 a. m.	28.08
	New Harmony	29.71	26	9 p. m.	30.22	8	9 p. m.	28.91
Illinois	Manchester (*b*)	28.82	24	7 a. m.	*c* 29.31	8	9 p. m.	27.91
	Upper Alton	29.48	27	7 a. m.	29.97	8	9 p. m.	28.66
Missouri	St. Louis	29.52	26	9 p. m.	29.99	8	9 p. m	28.60
Wisconsin	Beloit	29.19	24	7 a. m.	29.69	9	7 a. m.	28.29
	Milwaukee, [Winkler]	29.28	24	7 a. m.	29.77	9	7 a. m.	28.25
	Superior	29.34	24	7 a. m.	29.85	1	2 p. m.	28.60
Iowa	Dubuque	29.35	27	7 a. m.	29.94	8	9 p. m.	28.25
	Muscatine	29.53	------	------ --	30.04	------	--------	28.56
	Quasqueton	29.10	26	9 p. m.	29.61	8	9 p. m.	27.98
West Indies	Up Park Camp, Jamaica	29.80	1	9½ a. m.	29.92	26	3½ p. m	29.72

a Incomplete.
b See notes on thermometer for this month.
c Same height at 7 a. m. on the 27th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	28.90	29.86	.....	29.38	....	53	6	50.00	...	9	24	12.00	....
St. Martins	15.10	23.19	17.71	18.67	7	38	7	36.67	14	—16	14	—11.00	5.7
Toronto	.....	.....	.....	25.95	....	49	....	.....	....	— 5.4	....	.....	7.9
MAINE—													
Carmel	16.89	26.52	21.52	21.64	22	49	29	40.00	14	—10	14	— 3.33	5.3
Fryeburg (*b*)	.....	.....	.....	.....	....	.....	....	.....	....	—12	14	— 3.50	5.7
Gardiner	21.94	29.29	24.19	25.14	22	49	22	42.00	11	—10	14	4.00	6.9
Oldtown (*c*)	20.43	27.05	24.05	23.84	22	47	22	40.00	14	— 4	14	3.00	2.9
Perry	24.35	29 19	27.16	26.90	22	*d* 46	7	42.67	15	— 1	14	6.33	5.7
Steuben	21.00	26.06	25.58	24.21	22	47	22	43.00	11	1	14	9.33	7.1
NEW HAMPSHIRE—													
Concord	20.13	29.13	23.94	24.40	22	48	22	40.00	2	2	14	8.00	5.8
Exeter	20.87	30.19	24.26	25.11	22	47	29	40.67	14	2	1	14.33	5.9
Great Falls	21.13	32.25	24.06	25.81	7	*d* 46	29	41.00	14	0	14	3.33	6.4
Londonderry	20.87	30.84	24.61	25.44	22	48	7	39.33	14	1	14	9.00	6.1
Manchester	21.00	31.54	27.48	26.67	22	51	22	44.33	1	4	14	9.00	6.5
Salmon Falls	24.11	32.40	26.02	27.51	22	46	29	41.33	14	5	14	5.50	6.4
VERMONT—													
Brandon	22.91	29.67	24.30	25.63	29	50	29	43.00	14	0	14	1.50	6.8
Burlington	23.03	29.33	22.87	25.08	7	49	7	43.33	14	— 6	14	0.67	3.7
Castleton	23.00	32.41	24.45	26.62	29	56	29	46.00	14	— 2	14	1.33	8.1
Montpelier (*e*)	19.90	29.70	26.50	25.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
St Johnsbury	19.94	27.16	23.94	23.68	22	50	29	45.00	24	— 4	14	— 2.33	....
MASSACHUSETTS—													
Amherst	24.76	31.63	26.77	27.72	22	51	29	41.33	11	11	14	11.90	6.4
Boston	26.68	36.42	29.68	30.93	7	56	7	45.67	14	10	14	14.33	....
Mendon	23.45	31.52	29.37	28.11	7	55	7	45.67	14	10	14	12 67	6.5
Nantucket	35.85	39.48	36.61	37.31	7	53	7	49 50	14	18	14	31.33	6.4
New Bedford	28.53	36.50	31.08	32.04	7	54	7	49.00	14	10	14	14.80	7.5
Newburyport	28.81	33.78	30.80	31.13	7	52	22	47.67	14	7	14	11.50	8.3
North Attleboro'	25.83	34.14	28.56	29.51	22	55	7	46 20	15	10	14	13 00	6.2
Princeton	23.17	27.67	23.39	24.74	7	*f* 48	7	44.50	14	5	14	6.67	6.8
Richmond	25.35	30.55	26.42	27.44	7	48	7	43.33	14	6	14	8.00	7.8
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.6
Springfield	25.00	33.10	26.69	28.26	22	52	29	42.33	14	8	14	9.33	6.1
Westfield	24.84	30.35	26.42	27.20	22	47	22	38.67	14	10	14	10.67	....
Williamstown	23.19	29.48	25.10	25.92	7	52	7	43.20	14	7	14	8.23	7.3
Worcester	24.55	31.23	27.10	27.63	....	53	7,22, 29	41.33	....	11	14	12.33	6.1
RHODE ISLAND—													
Providence (*g*)	26.50	35.00	28.40	29.97	7	54	7	44.33	14	10	14	12.67	6.9
CONNECTICUT—													
Pomfret	25.16	32.00	26.68	27.95	7	54	7	47.33	14	8	14	10.00	6.1
Saybrook	29.68	34.39	30.32	31.46	22	49	7	45.33	14	15	14	15.33	4.9
NEW YORK—													
Angelica	20.84	30.90	24.32	25.35	7	50	6	40.00	14	*h* 0	23	10.50	6.3
Baldwinsville	25.19	29.26	25.25	26.57	7	47	7	42.00	14	2	14	6.67	7.8
Beverly	27.52	33.06	29.45	30.01	22	50	7	42.00	14	13	14	14.67	6.5
Canton	20.13	27.35	22.55	23.34	7	52	7	48.00	14	—16	14	— 6.67	7.4
Fishkill	27.38	39.58	31.06	32.67	....	49	....	.....	....	11	....	.. ..	....
Gouverneur	21.90	28.06	24.03	24.66	7	52	7	46 33	14	—20	14	— 8.67	8.4
Lodi	24.23	29.45	24.16	25.95	4	*i* 46	4	39.33	14	4	14	9.33	7.8
Lowville (*j*)	22.32	29.87	23.45	25.21	7	50	7	42.33	14	— 8	14	— 1.00	7.0
New York city	29.45	34.40	30.71	31.52	22	52	7	42.10	14	15	14	16.90	6.2
Oswego (*k*)	26.00	31.42	23.77	27.06	7	49	4	45.00	14	4	14	7.33	....
Penn Yan (*l*)	25.48	31.74	26.81	28.01	7	49	4	42.67	14	6	14	12.00	7.7

a Observations taken at 9 a. m. and 9 p. m.
b Incomplete. Coldest days only given.
c Hours of observation not uniform.
d Same temperature on the 29th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 22d.
g Observations taken at sunrise, 1 p.m., and 10 p.m.
h Same temperature on the 25th.
i Same temperature on the 7th.
j Observations taken at 7 a. m., noon, and 9 p. m.
k Observations taken at 6 a. m., noon, and 6 p. m.
l Observations taken at sunrise, 2 p. m , and sunset.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°	°		°		
Sag Harbor	31.06	39.55	32.81	34.47	7	59	7	52.00	14	13	14	16.00	6.0
Smithville	23.71	29.71	24.19	25.87	7	51	6	43.67	14	— 8	14	3.33	6.9
Spencertown	24.87	30.77	25.55	27.06	22	51	7	41.33	14	5	14	9.33	6.4
Wampsville	24.94	32.55	25.71	27.73	4	50	7	42.00	25	1	14	9.33	7.7
NEW JERSEY—													
Bloomfield	29.37	35.72	30.60	31.90	22	53	7	44.16	14	14	14	16.17	6.3
Burlington	30.71	37.71	31.77	33.40	7	65	7	48.33	30	16	14	21.33	7.8
Lambertville	27.84	37.51	30.42	31.92	7	59	7	46.50	25	9	14	17.00	3.8
Newark (*a*)	-------	-------	-------	32.46	----	49	18	43.62	?	3	14	18.00	----
PENNSYLVANIA—													
Bedford	25.89	34.54	27.59	29.34	12	55	12	43.80	23	9	30	16.33	6.1
Easton (*b*)	22.68	32.84	29.32	28.28	?	44	13	37.00	?	4	14	14.67	6.3
							18						
Gettysburg	27.03	34.35	28.74	30.04	7	55	7	49.67	31	9	31	19.00	6.3
Harrisburg	29.44	34.38	31.59	31.80	4	43	4	41.00	31	19	14	23.33	6.6
Lima	30.25	36.13	31.01	32.46	7	61	7	50 40	25	12	14	20.60	6.2
Morrisville	28.87	36.52	30.26	31.88	7	61	7	49.00	25	12	26	21.00	5.3
Moss Grove	23.64	30.90	26.87	27.14	6	58	6	49.33	23	2 *c*	23	9.33	6.3
Norristown	29.50	35.53	30.62	31.88	13	46	13	40.10	25	14	25	22.00	6.0
Paradise	-------	-------	-------	16.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	32.00	37.10	33.90	34.33	7	62	7	52.33	25	17	14	21.33	6.3
Pittsburg, [O. S.]	27.61	35.77	30.23	31.20	16	57	16	50.00	23	8	23	14 33	----
Pittsburg, [M. H.] (*d*)	34.55	35.06	34.81	34.81	7	54	6	49.50	24	19	31	19.50	----
Pocopson	29.50	37.00	30.90	32.47	7	61	7	49.00	25	9	25	20.67	6.5
Pottsville	25.77	33.00	28.19	28.99	7	55	7	46.67	14	11	14	15.33	6.6
Randolph	23.19	30.42	25.00	26.20	3	54	6	46.00	23	00	24	10.33	7.2
West Haverford	30.16	37.19	-------	33.67	7	62	7	53.00	25	14	14	21.00	6.0
MARYLAND—													
Bladensburg (*e*)	31.03	40.29	35.17	35.50	7	60	17	41.50	23	18 *f*	31	23.83	6.4
Frederick	29.96	37.18	33.03	33.39	7	56	7	48.23	31	17	31	21 93	6.3
Sykesville	28.48	38.68	30.78	32.65	7	58	7	52.33	31	13	27	20.00	5.6
DISTRICT OF COLUMBIA—													
Washington	31.85	39.65	33.73	35.08	----	57	7	51.00	----	20	25	26.00	----
VIRGINIA—													
Alexandria	31.13	39.83	33.86	34.94	----	58	7	50.67	----	18	31	23.67	6.0
Ashland	30.35	42.42	34.26	35.68	21	66	6	59.00	27	10	30	17.00	5.8
Crichton's Store (*g*)	39.30	46.30	43.79	43.13	7	67	21	59.00	31	26	31	31.33	5.7
Lewisburg	33.03	43.10	36.52	37.55	12	60	7	50 67	27	16 *f*	30	22.33	6.7
Montcalm (*h*)	37.18	45.60	42.77	41.85	7	58	7	53.00	2	30	2	36.67	8.0
Smithfield	-------	-------	-------	40.22	7	66	20	54.00	30	19	14	26.25	----
Winchester	29 25	41.32	32.03	34.20	4	58	4	48.67	31	14	30	21.67	4.7
NORTH CAROLINA —													
Chapel Hill	35.26	49.52	40.58	41.79	7	70	7	58.67	27	19	27	28.00	5.1
											30		
Thornbury	35.06	49.70	39.93	41.56	7	69	21	60.13	15	22	31	29.60	4 9
SOUTH CAROLINA—													
All Saints	43 55	56.00	47.55	49.03	7	71	21	66.67	27	26	27	35.33	4.3
Camden	37.64	54.90	43.71	45.42	7	70	21	60.33	27	18	27	29.67	5.4
											30		
											31		
Charleston	46.22	56.96	5 \. 19	51.12	----	69	7	-------	----	28	31	-------	----
GEORGIA—													
La Grange (*i*)	39.06	53.74	50.81	47.87	7	73	7	64.33	30	15	30	25.00	5.9
Savannah	44.78	58.14	49.97	50.96	7	69	13	62.2)	27	26	30	35.90	4.6
Sparta	39.23	54.61	45.16	46.33	7	74	7	63.67	27	20 *j*	22	27.67	5.2
The Rock (*k*)	-------	-------	-------	45.55	----	-------	----	65.00	----	-------	----	23.00	----
Whitemarsh Island	44.00	56.97	48.30	49.76	13	69	13	61.67	27	25	31	35.33	4.0

a Observations taken at 7 a. m. and 5 p. m.
b Observations taken at 6½ a. m., 12 m., and 5 p. m. No observation from the 2d to the 7th, inclusive.
c Same temperature on the 24th and 25th.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m. 32.54, max. 51, min. 14.
f Incomplete.
f Same temperature on the 31st.
g Observations taken at 9 a. m., noon, and 4 p. m.
h For the first 11 days of the month only.
i Observations taken at sunrise, noon, and sunset.
j Same temperature on the 30th.
k Observations taken morning, 3 p. m., and evening.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys	53 26	61.23	57.84	57.44	8	74	21	66.00	23	*a* 36	31	40.67	3.8
Jacksonville	50.32	62.67	52.94	55.31	7	74	21	66.33	23	*b* 33	31	37.00	4.3
Key West	64.10	69.64	.....	66.87	13	*c* 76	21	73.00	23	52	23	56.50	3.3
Knox Hill (*d*)	42.11	58.35	46.71	49.06	21	73	25	62.67	27	26	29	33.33	3.6
Warrington	50.16	61.10	58.58	56.61	9	76	9	67.33	31	28	30	37.33	2.8
ALABAMA—													
Auburn	41.84	56.00	46.55	48.13	8	78	8	64.00	30	17	30	26.67	3.9
Greene Springs	40.42	56.31	46.16	47.63	20	73	20	63.67	30	16	29	25.33	4.1
Tuscaloosa	41.60	55.07	46.21	47.63	20	70	6	65.00	30	18	30	26.07	4.0
MISSISSIPPI—													
Columbus	.....	.....	.....	48.18	?	72	.....	.....	?	16	.....	.....	.....
Garlandsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.7
Oxford	38.42	49.55	43.26	43.74	2	67	6	62.70	30	11	30	17.00	5.1
LOUISIANA—													
New Orleans	50.34	60.29	54.39	55.01	6	73	6	68.33	31	29	30	34.83	4.5
TEXAS—													
Austin	40.74	60.13	47.26	49.38	20	81	2	64.33	31	16	30	26.67	4.7
New Wied	44.90	62.10	48.94	51.98	20	83	20	65.33	21	20	30	30.67	5.3
TENNESSEE—													
Glenwood	35.00	45.32	38.69	39.67	6	66	6	64.40	30	9	30	16.00	6.1
Knoxville	34.50	45.68	38.52	39.57	6	64	6	57.10	27	13	29	21.33	4.8
KENTUCKY—													
Ballardsville	30.64	38.26	33.52	34.14	6	64	6	61.33	31	8	30	13.00	6.5
Danville	36.52	46.97	39.81	41.10	6	69	6	63.00	31	13	30	19.00	5.5
Millersburg	31.06	39.50	35.23	35.26	6	61	6	58.00	14	10	30	15.00	6.3
Springdale	30.42	41.16	37.39	36.32	6	65	6	62.83	14	10	29	16.00	7.2
OHIO—													
Arcola	27.03	33.45	29.65	30.04	6	54	6	48.67	24	6	23	13.33	7.7
Cincinnati (*e*)	32 03	40.81	35.42	36.09	2, 3	64	6	60.67	31	13	30	18.33	.....
Cincinnati, [Hurtt] (*f*)	26.66	40.06	34.10	33.61	6	66	6	58.00	14	9	22	15.33	5.9
Gallipolis	30.71	43.58	35.50	36.60	6	64	6	58.67	27	7	30	17.00	.....
Germantown	26.15	35.37	29.30	30.27	6	61	6	59.90	23	5	22	10.40	7.3
Granville	28.48	35.48	32.06	32.01	6	62	6	57.33	27	7	22	13.67	6.7
Hillsborough	27.48	36.45	30.84	31.59	6	61	6	56.83	31	6	30	11.50	6.3
Jackson, [Crookham]	28 61	41.16	31.45	33.74	6	65	6	58.67	27	3	30	13.33	7.2
Marietta	28.94	39.52	32.45	33.64	6	62	6	56.33	14	10	23	15.67	6.0
Mount Vernon	25.13	36.32	31.03	30 83	6	58	6	54.67	24	4	24	11.00	6.5
Newark (*d*)	19.12	31.94	22.76	24.61	17	49	20	36.00	23	3	22	15.00	7.0
New Lisbon	26.81	32.55	27.90	29.09	.....	60	12	48.00	.....	4	24	11.00	6.2
Norwalk	24.47	33.40	28.66	28.84	6	61	6	58.00	23	— 2	23	7.00	6.0
Oberlin	25.70	33.52	29.03	29.42	6	58	6	55.67	24	4	23	11.00	5.9
Perrysburg (*g*)	26.48	35.39	29.68	30.52	6	69	6	63.33	23	0	23	8.33	.....
Richmond	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.6
Urbana	23.97	36.55	29.71	30.68	6	.61	6	57.33	24	— 6	24	9.33	7.4
Zanesville	27.06	37.42	30.42	31.63	2	*h* 64	6	50.67	14	8	30	15.00	7.1
MICHIGAN—													
Ann Arbor, [Woodruff]	22.00	30.00	25.10	25.70	6	60	6	56.00	22	*i*— 1	23	4.67	8.1
Ann Arbor, [Winchell]	22.15	27.95	24.34	24.81	6	59	6	56.00	22	— 2	23	5.30	7.6
Battle Creek	22.39	31.58	23.55	25.84	7	60	7	52.67	22	0	23	6.33	7.8
Cooper	24.16	29.64	25.16	26.32	3	60	3	54.67	22	2	23	8.33	7.2
Detroit	25.81	31.29	27.84	28.31	6	58	6	56.00	23	4	23	8.67	8.1
Flint	20.70	30.30	23.10	24.70	6	58	6	52.67	13	1	.....	.....	.....
Grand Rapids	22.81	31.58	25.84	26.74	3	61	2	53.33	13	5	13	12.33	6.7
Monroe, [Perkins]	22.52	29.68	25.94	26.05	6	56	6	50.67	23	— 4	23	6.67	7.2
St. James	20.00	29.26	22.70	23.99	3	53	3	50.33	13	1	13	4.67	8.5
INDIANA—													
Madison	30.60	38.21	33.32	34.04	6	61	6	59.50	31	10	30	14.16	6.7
Milton	27.77	35.63	32.05	31.62	6	59	6	57.50	23	0	22	8.16	5.7
New Harmony	30.61	40.29	34.63	35.18	6	65	2	57.33	22	9	22	16.33	6.2

a Same temperature on the 27th and 31st.
b Same temperature on the 27th.
c Same temperature on the 21st and 28th.
d For the last 18 days of the month only.
e Observations taken at 6 a. m., 1 p. m., and 9 p. m.
f Observations taken at 7 a. m., noon, and 9 p. m.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 3d.
i Same temperature on the 23d.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	22.97	35.55	26.58	28.37	2	66	2	59.67	23	—11	22	3.33	5.2
Augusta	22.00	33.09	25.80	26.96	2	65	2	60.00	23	—13	22	2.00	5.5
Manchester	24.64	34.35	28.10	29.03	1	68	2	59.00	22	— 4 *a*	22	5.00	6.0
Ottawa	21.81	29.32	24.16	25.10	2	62	2	55 67	23	— 8	22	1.33	2.3
Upper Alton	27.16	36.89	30.95	31.67	2	65	2	59.67	22	0	22	10.00	1.7
MISSOURI—													
Hannibal	------	------	------	------	----	------	----	------	----	------	----	------	6.1
St. Louis	29.34	38.78	33.34	33.82	2	65	6	47.67	22	3	22	11.80	5.7
WISCONSIN—													
Beloit	18.41	27.93	21.58	22.64	2	57	2	51.67	23	—11	23	— 2.33	4.6
Ceresco	14.68	20.64	16.14	17.15	2	55	2	39.00	22	—14	13	— 9.33	8.1
Janesville	15.82	26.38	18.58	20.26	2	56	2	50.33	23	—14	13	— 6.00	6.9
Milwaukee	19.42	27.00	21.32	22.58	2	55	2	51.33	23	—10	23	— 3.00	5.4
Platteville	18.26	30.26	21.00	23.17	2	62	2	57.67	13	—12	13	— 8.67	6.1
IOWA—													
Dubuque	21.29	27.96	23.40	24.22	2	60	2	57.00	22	— 6	13	— 2.67	6.6
Fairfield	------	------	------	21.00	----	71	----	------	----	— 8	----	------	----
Fort Madison (*b*)	21.32	32.65	26.87	26.95	2	66	2	61.00	23	—10	22	2.67	5.1
Keokuk	22.77	34.83	24.87	27.49	2	66	2	60.67	22	— 6	22	4.67	5.5
Muscatine	20.16	29.97	22.58	24.24	2	64	2	59.33	23	—23	22	— 4.67	3.8
Pella	15.35	28.19	18.77	20.77	2	61	2	57.67	22	— 8	21	1.00	----
Poultney	16.32	27.80	21.45	21.86	2	58	2	55.67	13	—11	13	— 6.33	6.4
Quasqueton	17.71	25.17	21.07	21.32	2	60	2	57.00	22	— 8	22	— 0.3	6.0
MINNESOTA—													
St. Joseph's	—3.52	3.39	2.39	0.75	14	32	16	20.33	13	—34	4	—19.00	5.7
CALIFORNIA—													
Sacramento, [Logan]	------	------	------	43.71	----	62	----	------	----	27	----	------	----
Sacramento, [Hatch] (*c*)	------	------	------	44.74	----	------	25	53.25	---	------	6	34.26	----
MEXICO—													
Mirador (*d*)	------	------	------	58.43	----	------	----	64.98	----	------	----	49.23	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	------	------	------	45.13	----	55	----	------	----	36	----	------	----

a Same temperature on the 23d.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Observations taken at sunrise, noon, sunset, and 10 p. m.
d Hours of observation not given.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	18.86	.....	19.43	19.14	....	38	14	38.00	....	—15	6	—10.00	....
St. Martins	3.68	17.53	9.23	10.15	16	38	16	34.53	7	—34	6	—25.23	5.3
Toronto	.....	.....	.....	15.41	....	39	....	.....	6	—25.4	6	—14.38	7.1
MAINE—													
Carmel	7.46	19.76	10.68	12.63	17	41	17	35.33	7	—24	7	—12.67	5.6
Gardiner	14.57	23.89	18.45	18.97	18	41	19	36.33	7	—18	6	—11.00	6.5
Oldtown	9.82	20.00	13.75	14.52	17	42	17	35.00	6	—18	6	—16.00	1.9
Perry	14.32	22.18	17.14	17.88	18	38	17	34.67	7	—15	6	— 8.00	5.2
Steuben	13.29	20.79	16.29	16.79	17	*b* 37	17	35.33	7	—19	6	— 9 33	7.2
NEW HAMPSHIRE—													
Concord	12.35	25.21	17.21	18.26	22	40	15	35.33	7	—24	6	—11.33	4.9
Exeter	12.32	23.11	15.94	17.12	15	38	15	35.33	7	—20	6	—11.33	5.2
Great Falls	12.93	27.46	15.83	18.74	13	*c* 42	16	37.33	7	—24	6	—11.67	5.4
Londonderry	13.03	23.14	16.89	17.69	16	40	16	36.00	7	—23	6	—14.00	5.0
Manchester	11.85	27.32	20.59	19.92	17	42	16	37.33	7	—22	6	—15.33	5.8
Salmon Falls	17.55	27.13	18.87	21.18	13	42	16	38.50	6	—10	6	— 7.00	5.4
VERMONT—													
Brandon	12.98	23.47	16.15	17.53	18	41	15	36.33	7	—22	6	—17.83	5.8
Burlington	11.28	22.93	15.61	16.61	15	44	15	38.33	6	—24	6	—19.00	3.5
Castleton	12.64	28.78	16.79	19.40	18	57	18	39.67	7	—22	6	—14.00	7.1
Montpelier (*d*)	10.10	23.50	18.00	17.20	....	.....	....	.....	7	—27	6	—14.33	....
MASSACHUSETTS—													
Amherst	15.53	24.49	19.61	19.88	15	42	15	38.33	7	—16	6	— 8.00	5.3
Boston (*e*)	19.28	29.89	22.57	23.91	13	52	15	40.67	6	— 7	6	1.67	4.2
Mendon	15.64	23.29	18.50	19.14	22	39	15	36.00	7	—17	6	—10.33	5.5
Nantucket	27.93	31.96	27.71	29.20	15	44	15	42.50	6	4	6	8.33	6.0
New Bedford	19.36	28.82	22.43	23.54	22	42	15	39.17	6	—14	6	— 7.83	5.4
Newburyport	17.54	25.63	19.55	20.91	1	42	15	38 70	7	—13	6	— 6.00	8.9
North Attleboro'	16.30	26.38	19.83	20.84	15	42	15	40.43	7	—15	6	— 9.00	4.7
Princeton	14.18	20.26	16.93	17.12	15	36	16	34.33	7	—17	7	— 5.57	5.4
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	7.8
Springfield	15.03	27.57	19.00	20.53	21	*f* 42	15	36.33	7	—19	6	— 6.00	5.2
Taunton	19.96	26.14	22.25	22.78	16	46	16	44.00	7	—12	6	— 6.67	3 0
Westfield	15.29	23.04	18.79	19.04	15	38	15	35.67	7	—15	6	— 7.33	....
West Stockbridge	13.93	27.75	16.86	19 51	14	45	15	38.67	7	—17	6	—13.67	6.4
Williamstown (*g*)	14.52	20.77	16.50	17.26	15	40	15	37 17	7	—18	6	—14.17	7.2
Wood's Hole	22.68	28.71	25.57	25.65	15	43	15	40.33	6	— 7	6	— 2.33	5.5
Worcester	15.36	23.57	18.68	19.20	16	39	16	37.00	7	—16	6	—10.33	4.0
RHODE ISLAND—													
Providence (*h*)	18.60	27.30	20.50	22.13	15	42	15	40.00	7	—15	6	— 8.00	4.4
CONNECTICUT—													
Pomfret	16.07	24.41	18.46	19.65	15	*i* 39	15	37.00	7	—16	6	— 9.00	4.7
NEW YORK—													
Angelica	9.86	22.61	14.54	15.67	13	·42	14	38.17	6	—28	6	—18.67	7.3
Baldwinsville	12.68	20.93	16.79	16.80	14	36	14	33.67	6	—22 *j*	6	—16.67	7.8
Beverly	18.29	25.81	21.68	21.93	22	39	15	37.00	7	—12	6	— 4.67	5.9
Canton	6.50	19.21	11.54	12.42	14	37	14	34.33	7	—40	6	—27.00	7.6
Fishkill	17.60	29.82	23.50	23.64	....	46	....	.....	....	—15	....	.....	....
Gouverneur	6.43	19.54	15.84	13.94	14	40	14	35.67	6	—44	5	—26.00	8.8
Lodi	12.11	20.93	14.57	15.87	14	41	14	37.00	6	—22	6	—18.33	8.1
Lowville (*k*)	8.96	22.03	14.71	15.23	16	43	15	35.67	6	—38	6	—26.00	6.9
New York city	20.87	27.27	23.35	23.83	22	41	15	37.41	6	— 8	3	— 4.73	....
Oswego	12.96	22.61	17.53	17.70	13	*l* 36	14 15	33.33	7	—22	6	—14.00	....
Penn Yan (*m*)	12.93	25.71	18.43	19.02	14	45	14	39.33	6	—19	6	—14.00	7.8

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 18th.
c Same temperature on the 16th, 18th, 21st, and 22d.
d Observations taken at sunrise, noon, and sunset.
e Observations taken at 6 a. m., 2 p. m., and 10 p. m.
f Same temperature on the 22d.
g Observations taken at 7½ a. m., 2 p. m., and 9 p. m.
h Observations taken at sunrise, 1 p. m., and 10 p. m.
i Same temperature on the 16th.
j Same temperature on the 7th.
k Observations taken at 7 a. m., noon, and 9 p. m.
l Same temperature on the 15th.
m Observations taken at sunrise, 2 p. m., and sunset.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°	°		°		
NEW YORK—Continued.													
Sag Harbor	21.32	30.71	23.93	25.32	13	46	15	40.33	6	— 6	6	— 0.33	4.9
Smithville	7.53	20.25	13.35	13.71	14	42	14	38.00	6	—38	6	—26.67	7.2
Spencertown	14.14	21.32	17.25	17.57	15	44	15	41.33	7	—19	6	—13.33	5.8
Wampsville	12.34	24.59	15.93	17.62	14	41	14	36.00	6	—27	6	—21.00	8.3
NEW JERSEY—													
Bloomfield	19.48	28.79	22.80	23.69	22	43	16	37.17	6	— 9	6	— 2.67	4.8
Burlington	20.61	30.71	25.64	25.65	13	*a* 48	14	47.00	7	— 2	7	3.67	7.7
Lambertville	20.32	31.29	23.53	25.05	22	45	14	38.17	7	— 5	6	1.67	4.7
Newark (*b*)	-------	-------	-------	25.92	----	46.5	16	37.87	----	— 8	7	2.25	----
PENNSYLVANIA—													
Bedford	16.92	26.25	19.96	21.04	14	55	14	38.67	6	— 3 *c*	7	8.00	7.5
Easton	18.71	29.29	20.60	22.87	22	48	14	37.67	6	—13	6	— 5.00	5.7
Gettysburg	17.71	28.64	21.57	22.64	22	46	14	38.33	6	— 5	7	1.33	6.0
Harrisburg	22.21	29.14	25.88	25.74	22	43	14	39.33	7	— 1	7	1.33	6.3
Lima	20.80	29.17	24.58	24.85	14	45	14	42.03	7	— 1	6	3.63	5.9
Morrisville	20.21	30.94	23.71	24.95	22	46	14	40.00	7	— 4	6	3.33	3 9
Norristown	22.13	28.18	21.89	25.07	22	44	14	40.67	7	— 2	6	3.33	6.4
Paradise	-------	-------	-------	18.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	23.10	30.00	26.90	26.67	14	46.5	14	43.33	7	— 1	6	4.50	5.9
Pittsburg, [Oakland Station]	15.96	24.68	19.89	20.18	15	52	15	36.67	6	— 9	6	3.33	----
Pittsburg, [Marine Hosp.] (*d*)	23.48	24.89	25.14	24.50	13	40	13	37.67	27	10	27	13.00	----
Pocopson	20.38	30.04	24.83	25.08	13	44	14	41.33	7	— 2	6,7	4.33	6.7
Pottsville	19.88	26.33	21.14	22.45	22	41	14	37.33	7	— 6	6	— 4.00	6.5
Randolph	10.75	20.68	13.25	14.89	13	*a* 38	14	35.00	6	—22	6	—11.33	8.3
West Haverford (*e*)	21.32	30.50	-------	25.91	22	48	14	44.50	7	— 4	7	— 2.00	5.6
MARYLAND—													
Bladensburg (*e*)	22.08	33.92	25.45	27.15	22	50	22	36 33	11	3	7	7.50	5.1
Frederick	22.52	30.62	26.03	26.39	22	46	14	41.10	7	4	7	5.43	6.0
Sykesville	19.46	32.00	23.43	24.96	22	52	14	43.33	7	— 2	7	2.33	5.4
DISTRICT OF COLUMBIA—													
Washington	24.66	32.29	23.92	26.96	14	53	22	38.50	7	4	7	6 50	----
VIRGINIA—													
Alexandria	22.18	31.70	26.18	26.69	14	53	14	46.00	7	6	10	14.00	5.1
Lewisburg	25.17	36.14	28.93	30.08	22	53	13	40.67	27	12 *f*	27	17.00	6.7
Smithfield	-------	-------	-------	30.73	14	65	22	42.25	10	10	10	16.50	----
Winchester	21.82	33.79	24.68	26.76	22	52	14	42.67	7	6	7	8.33	4.7
NORTH CAROLINA—													
Chapel Hill	28.79	45.54	34.86	36.40	14	65	14	53.00	27	18 *f*	28	25.00	5.9
Thornbury	28.26	43.63	33.23	35.04	----	66	14	54.67	----	16	27	21.20	4.0
SOUTH CAROLINA—													
All Saints	38.71	51.57	43.10	44.46	8	71	8	62.67	1	26	27	30.33	3.2
Camden	31.46	52.30	39.71	41.16	7	69	7	54.33	1	16	27	28.00	4.7
Charleston	41.17	53.14	46.67	45.99	----	68	8	-------	----	28	27	-------	----
GEORGIA—													
Savannah	40.10	54.70	46.90	47.23	8	74	8	66.97	27	27	27	32.73	4.1
Sparta	34.38	51.46	40.61	42.15	8	68	8	60.67	27	18	27	26.00	5.0
The Rock (*g*)	-------	-------	-------	40.57	----	-------	----	63.00	----	-------	----	24.00	----
Whitemarsh Island	40.07	53.68	46.04	46.60	8	75	8	66.33	27	28	27	32.33	3.6
FLORIDA—													
Cedar Keys	48.39	55.25	52.75	52.13	8	64	8	62.00	27	32	28	40.00	3.3
Jacksonville	45.71	60.03	49.57	51.77	8	73	8	69.00	1	30	1,27	40.67	2.5
Key West	62.14	68.75	-------	65.44	8	*h* 78	19	75 00	27	54	1	59.00	4.5
Knox Hill	41.43	56.82	46.85	48.37	7	72	23	61.33	27	25	26	32.33	4.1
Warrington (*i*)	44.29	56.11	52.68	51.03	8	*j* 72	23	64.67	26	*k* 27	26	35.67	3.1

a Same temperature on the 14th.
b Observations taken at 7 a. m. and 5 p. m.
c Same temperature on the 7th.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m. 21.96, max. 38, min. 9.
e Incomplete.
f Same temperature on the 28th.
g Observations taken morning, 3 p. m., and evening.
h Same temperature on the 13th, 14th, and 19th.
i Observations taken at sunrise, noon, and sunset.
j Same temperature on the 23d.
k Same temperature on the 27th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
ALABAMA—	°	°	°	°		°		°		°		°	
Auburn	35.64	51.64	43.32	43.53	8	70	8	60.67	26	20 *a*	26	25.67	3.2
Greene Springs	35.25	52.83	42.22	43.43	7	*b* 68	7	61.67	26	20	26	27.00	3.2
Tuscaloosa	34.69	50.75	40.20	41.88	5	*c* 66	7	60.33	26	19	27	25.93	3.2
MISSISSIPPI—													
Columbus	------	------	------	42.64	?	77	----	------	?	15	----	------	----
Garlandsville (*d*)	40.43	56.14	44.46	47.01	26?	76?	7	65.00	2	26	25	31.33	4.2
Oxford	31.77	46.02	39.18	38.99	5	*e* 66	5	57.83	28	10	27	18.67	3.2
LOUISIANA—													
New Orleans	44.20	54.68	48.89	49.26	5	*f* 70	7	63.33	27	*g* 29.5	26	34.67	4.2
TEXAS—													
Austin	37.89	59 07	46.85	47.94	6	83	7	64.67	26	20 *a*	26	28.67	4.8
New Wied	42.82	60.46	48.50	50.59	5	87	5	68.00	26	22	26	29.67	5.6
TENNESSEE—													
Glenwood	28.14	40.50	34.42	34.35	7	62	7	58.50	26	8	26	15.77	5.4
Knoxville	30.51	42.83	36.05	36.46	7	62	7	54.67	27	12	26	18.33	5.6
KENTUCKY—													
Ballardsville	23.00	31.64	27.75	27.46	12	54	12	47.00	26	2	26	10.67	6.6
Danville	30.00	41.21	35.32	35.51	7	69	7	58.67	26	11 *a*	26	18.67	5.0
Millersburg	24.00	34.18	28.89	29.02	12	58	12	46.67	26*a*	5	26	12.67	6.3
Springdale	22.59	35.53	31.35	29.82	12	57	12	48.17	26	3	26	14.00	6.3
OHIO—													
Cincinnati (*h*)	25.68	33.04	30.68	29.80	12	52	12	46.00	26	7	26	14.00	5.7
Cincinnati, [Hurtt] (*i*)	22.68	32.28	28.68	27.88	12	52	12	45.67	26	4	26	12.33	6.4
Gallipolis	22.89	37.89	26.68	29.15	13	57	13	48.33	26	7	26	14.67	----
Germantown	17.82	27.95	21.87	22.55	12	46.2	12	41.67	26	— 0.6	26	5.90	7.0
Granville	18.39	26.68	23.39	22.82	22	47	13	42.33	26	3	26	7.26	7.3
Hillsborough	18.38	28.18	24.18	23.58	12	*j* 49	12	41.00	26	2	26	8.83	6.4
Jackson, [Crookham]	20.18	31 89	24.61	25.56	22	53	13	44.33	26	5	26	13.67	7.1
Madison	16.89	24.60	16.78	19.42	13	*k* 38	13	36.33	24	— 8	6	0.00	7.7
Marietta	19.00	29.90	24.43	24.44	22	46	13	42.67	26	6	26	12.33	7.7
Mount Vernon	15.53	27.57	20.78	21.29	22	44	13	40.67	24	0	6	7.33	6.5
Newark (*l*)	18.36	30.48	25.00	24.61	22	48	13	41.33	24	4	3	12.25	7.1
New Lisbon	14.68	22.54	17.82	18.35	---	39	14	33.67	----	5	3,26	8.67	7.6
Oberlin	15.26	27.85	18.00	20.37	13	44	13	42.00	24	—10	6	2.33	7.2
Perrysburg (*d*)	16.82	30.61	20.96	22.80	12	48	13	44.33	6	— 7	6	3.67	----
Richmond	------	------	------	------	----	------	----	------	------	------	----	------	7.5
Urbana	14.61	30.93	20.18	21.91	22	52	13	41.67	28	— 5	26	3.33	7.3
Zanesville	18.36	26.89	23.04	22.76	22	48	14	42.00	26	4	26	9.33	8.0
MICHIGAN—													
Ann Arbor, [Winchell]	11.31	20.09	14.38	15.26	13	38	13	36.47	6	—14	6	— 6.07	7.1
Ann Arbor, [Woodruff]	11.07	22.04	15.43	16.18	13	38	13	36.67	24	—24	6	— 5.67	6.1
Battle Creek	12.61	28.11	16.04	18.92	12	*k* 43	13	40.33	6	— 9	6	— 2.00	7.1
Cooper	17.86	23.03	19.28	20.06	13	*m* 40	13	38.67	6	0	6,7	7.03	8.0
Detroit	13.82	23.39	16.82	18.01	13	40	13	38.00	6	—14	6	— 7.00	7.6
Flint	8.40	22.70	13.80	14.97	14	38	14	36.33	7	—31	----	------	----
Grand Rapids	12.00	25.54	16.36	17.97	21	40	13	37.67	6	— 8	6	— 0.67	6.3
Monroe	13.25	22.21	18.57	18.01	13	*j* 38	13	34.33	6	—10	6	— 1.33	7.9
St. James	7.71	21.55	11.07	13.44	21	41	12	31.00	5	—16	5	— 9.83	5.6
INDIANA—							21						
Madison	25.89	33.11	29.37	29.46	12	51	12	46.00	26	7	26	13.67	7.3
Milton	18.52	29.00	23.07	23.53	12	45	12	40.50	26	— 1	26	7.33	5.8
New Harmony	23.89	37.00	28.64	29.84	12	58	12	50.33	26	6	26	13.33	5.0
ILLINOIS—													
Athens	15 84	30.84	20.55	22.41	21	51	12	43.67	26	— 6	25	2.33	5.0
Augusta	15.35	27.82	20.11	21.09	21	50	12	42.33	26	—10	25	— 1.67	5.1

a Same temperature on the 27th.
b Same temperature on the 8th and 23d.
c Same temperature on the 8th.
d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Same temperature on the 6th.
f Same temperature on the 7th and 8th.
g Same temperature on the 28th.
h Observations taken at 6 a. m., 1 p. m., and 9 p. m.
i Observations taken at 7 a. m., noon, and 9 p. m.
j Same temperature on the 22d.
k Same temperature on the 14th.
l Incomplete.
m Same temperature on the 21st.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Manchester (*a*)	18.43	28.37	23.29	23.36	21	46	12	44.00	26	— 3	25	3.67	5.6
Ottawa	13.17	26.89	16.03	18.70	21	44	12	39.33	5	— 7	25	2.67	2.7
Upper Alton	21.39	34.18	27.84	27.80	6	53	12	47.67	26	2	25	9.33	3.2
MISSOURI—													
Hannibal	------	------	------	------	----	------	----	------	----	------	----	------	4.5
St Louis	24.77	35.20	29.64	29.87	6	65	6	47.00	26	5	25	7.33	4.6
WISCONSIN—													
Beloit	8.00	22.00	11.93	13.98	12	37	12	35.00	5	—14	25	— 3.33	3.4
Ceresco	1.40	17.23	7.51	8.71	20	*b* 34	12	24.67	5	—14 *c*	23	— 8.67	5.9
											26		
Janesville	7.29	20.39	10.36	12 68	21	40	12	35.33	5	—19	3	— 3.00	4.9
Milwaukee	8.61	21.32	13.57	14.50	13	*b* 36	12	33.00	25	—10	25	— 2.33	4.5
							13						
Platteville	8.46	24.61	13.61	15.56	21	40	12	34.67	25	—14	25	— 6.00	4.5
IOWA—													
Dubuque	13.43	24.15	18.67	18.75	20	39	12	35.33	25	— 8	25	— 0.67	5.0
Fairfield	------	------	------	23.00	----	52	----	------	----	— 5	----	------	----
Fort Madison (*d*)	14.57	27.64	21.25	21.15	21	48	12	42.67	26	—11	25	— 0.67	5.0
Muscatine	11.61	32.86	15.07	19.85	12	40	12	36.33	25	—11	25	— 3.00	2.2
Pella	10.53	26.18	10.46	15.72	6	*e* 48	10	31.33	23	—10	25	— 3.67	----
Poultney	10.15	21.11	11.85	14.37	10	42	12	32.00	25	—12	25	— 7.33	5.5
Quasqueton	9.14	23.52	13.14	15.27	10	42	12	32.17	25	—11	25	— 4.27	5.3
MINNESOTA—													
Lac qui Parle	5.14	14.93	9.14	9.74	19	38	19	28.00	24	—19	23	—13.33	4.4
St. Joseph's	0.79	15.21	2.68	5.70	19	46	15	30.67	22	—25	22	—16.67	5.5
CALIFORNIA—													
Sacramento, [Logan]	------	------	------	52.50	----	70	----	------	----	32	----	------	----
Sacramento, [Hatch] (*f*)	------	------	------	52.82	----	------	15	58.00	----	------	20	45.25	----
MEXICO—													
Mirador (*g*)	------	------	------	61.74	----	----	----	72.85	----	------	----	50.56	----
EASTERN CONTINENT—													
Mosul, Mesopotamia.	------	------	------	52.60	----	65	----	------	----	39	----	------	----

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 21st.
c Same temperature on the 24th and 26th.
d Observations taken at 6 a. m., noon, and 7 p m.
e Same temperature on the 10th.
f Observations taken at sunrise, noon, sunset, and 10 p. m.
g Hours of observation not given.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	31.2	.....	33.0	32.10	....	47	31	46.5	....	13	24	17.0	....
St. Martin	17.1	32.4	22.8	24.10	31	52.1	5	41.5	10	0	10	10.7	4.5
Toronto (*b*)	.....	.....	.....	28.46	....	49.4	....	.....	....	— 2.9	....	.....	6.7
MAINE—													
Carmel	21.2	34.9	22.8	26.30	31	55	31	39.7	1	0	14	14.7	4.4
Fryeburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.2
Gardiner	25.4	36.8	28.6	30.27	31	52	31	43.67	1	8	1	20.0	5.7
Oldtown	18.4	31.8	25.8	25.33	31	52	31	38.3	1	8 *c*	22	16.3	2.5
Perry	22.7	34.9	26.4	28.00	31	46	31	37.3	1	14 *d*	14	15.7	5.2
Steuben	24.6	32.6	27.5	28 23	30	48	31	38.7	14	11	14	12.7	6.3
NEW HAMPSHIRE—													
Concord	24.2	37.2	29.0	30.13	31	53	31	42.3	1	0	1	16.0	4.1
Exeter	25.7	37.2	27.9	30.27	31	54	31	42.0	1	7	1	18.0	4.5
Great Falls	24.5	38.0	27.9	30.13	31	55	31	42.5	1	5	1	19.0	5.1
Londonderry	25.2	37.3	29.2	30.57	31	58	31	46.0	1	9	1	21.0	4.3
Manchester	24.6	40.5	31.9	32.33	31	59	31	47.0	1	4	1	20.0	5.6
Salmon Falls	28.0	38.7	29.5	32.07	31	60	31	43.7	24	17.5	14	23.3	4.8
VERMONT—													
Brandon	23.3	33.5	26.6	27.80	31	63	31	46.7	1	0	10	14.0	5.6
Burlington	22.9	35.0	27.3	28.40	31	51	31	43.7	1	— 4	10	12.7	2.9
Castleton	24.9	38.9	28.5	30.37	31	59	31	45.7	1	0	10	13.3	6.4
Montpelier (*e*)	18.2	35.2	28.7	27.37	....	.....	....	.....	....	.....	....	.....	....
St. Johnsbury	22.3	34.0	27.3	27.87	30	52	31	42.3	1	— 1	1	10.3	3.0
MASSACHUSETTS—													
Amherst	27.4	37.2	30.0	31.53	31	57.8	31	44.2	1	7.8	1	19.0	4.8
Boston (*b*)	28.3	41.4	32.4	34.03	30	54	31	50.3	1	13	1	24.7	4.0
Mendon	26.6	35.0	30.1	30.57	30	46	5	40.7	1	11	1	20.7	5.3
Nantucket	35.0	39.0	35.2	36.40	31	52	31	45.8	1	26	1	29.8	5.3
New Bedford	29.7	40.4	31.3	33.80	31	58	31	44.8	1	12	1	23.0	5.9
Newburyport	29.6	38.4	31.4	33.13	31	61.7	31	48.6	1	14	1	23.5	4.8
North Attleboro'	28.2	39.0	30.4	32.53	31	60	31	45.1	1	11.1	1	22.6	4.9
Princeton	25.0	32.5	27.0	28.17	31	54	31	44.2	1	10	1	17.4	5.3
Richmond	23.0	34.3	28.2	28.50	5	50	5	42.7	10	10	10	14.0	5.9
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
Springfield	27.7	40.1	31.2	33.00	31	63	31	47.0	1	8	1	20.7	4.2
Westfield	27.3	36.9	30.4	31.53	31	60	31	43.3	1	9	1	18.7	....
Williamstown	24.8	33.8	27.7	28.77	31	53.5	31	42.5	1	3.5	1	14.2	6.5
Wood's Hole	31.9	38.8	34.5	35.07	31	55	31	47.7	1	17	1	24.0	5.5
Worcester	28.0	38.3	31.5	32.60	31	64	31	53.3	1	11	1	21.7	4.0
RHODE ISLAND—													
Providence (*f*)	27.5	39.4	30.8	32.57	30	57	30	45.3	1	13	1	23.0	4.8
CONNECTICUT—													
New London	31.7	42.5	32.9	35.70	31	57	31	46.7	1	16	1	24.7	5.1
Pomfret	27.0	36.8	29.2	31.00	31	57	31	44.3	1	11	1	19.7	4.8
Saybrook (*g*)	30.3	38.9	31.7	33.63	30	54	30	43.3	24	19	25	27.0	5.4
NEW YORK—													
Angelica	23.0	36.4	26.0	28.47	31	54	5	43.0	1	— 8	1	9.0	5.5
Baldwinsville	25.2	33.7	28.4	29.10	31	48	5	43.0	10	10	10	13.3	6.7
Beverly	29.6	38.8	33.4	33.93	31	59	31	47.3	1	13	1	20.0	5.4
Canton	20.9	32.1	25.8	26.27	31	50	31	46.0	10	0	10	6.7	6.1
Fishkill	30.00	40.96	37.51	36.16	....	66	....	.....	....	14	....	.....	....
Gouverneur	23.5	31.8	27.1	27.47	31	50	5	42.0	1	0 *h*	1	6.0	7.4
Lodi	25.6	34.9	27.0	29.17	5, 31	57 *i*	31	47.3	1	10	10	13.0	7.2
Lowville (*j*)	21.8	34.3	26.5	27.53	31	56	31	43.7	1	5 *k*	16	8.7	6.3
New York city	31.9	40.0	34.8	35.57	30	56	30	47.9	1	17	1	23.8	5.5
Oswego	26.2	35.7	28.6	30.17	31	56	5	44.0	10	10	10	13.7	....
Penn Yan (*l*)	27.26	35.58	29.45	30.76	5	53	5	44.33	10	14	10	17.33	7.3

a Observations taken at 9 a. m. and 9 p m.
b Observations taken at 6 a. m., 2 p. m , and 10 p.m.
c Same temperature on the 26th.
d Same temperature on the 15th and 25th.
e Observations taken at sunrise, noon, and sunset.
f Observations taken at sunrise, 1 p. m., and 10 p. m.
g For the last 22 days of the month only.
h Same temperature on the 8th and 10th.
i Same temperature on the 31st.
j Observations taken at sunrise, noon, and 9 p. m.
k Same temperature on the 10th.
l Observations taken at sunrise, 2 p. m., and sunset.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Sag Harbor	30.3	42.7	33.7	35.57	31	60	31	48.3	1	10	1	22.3	5.2
Smithville	25.2	31.9	28.7	28.60	5	50 *a*	5, 31	45.0	1	10 *b*	24	16.0	6.6
Spencertown	24.9	33.4	27.6	28.63	31	57	31	43.7	1	5	1	13.7	4.7
Wampsville	26.2	37.1	28.0	30.43	14	56	14	45.0	1	5	10	11.7	7.3
NEW JERSEY—													
Bloomfield	30.5	41.6	34.3	35.47	5	58.5	5, 6	46.5	1	15.5	1	24.2	4.7
Burlington	33.5	43.6	38.4	38.50	31	62	31	51.3	1	18	1	23.7	5.3
Lambertville	30.88	44.25	34.26	36.46	31	68	31	50.0	1	12	1	21.67	4.4
Newark	------	------	------	36.73	----	61.75	6	52.4	----	14.25	1	27.0	----
PENNSYLVANIA—													
Bedford	29.1	41.3	33.6	34.67	16	59	6	46.3	1	8	1	18.5	6.1
Easton	30.23	43.68	33.0	35.64	31	68	31	53.0	1	10	1	24.33	5.5
Gettysburg	30.0	42.2	33.9	35.37	31	64	6, 31	48.0	1	10	1	21.3	5.3
Harrisburg	33.2	42.6	37.6	37.80	31	60	31	50.3	1	18	1	27.7	5.2
Lima	31.9	42.5	35.3	36.57	31	61	6	49.1	1	16	1	18.9	6.1
Morrisville	30.5	43.5	34.5	36.17	31	64	31	50.0	1	14	1	23.3	4.4
Moss Grove	24.6	35.3	28.7	29.53	31	52	14	44.3	1	0	2	17.33	6.1
Norristown	32.9	42.7	35.9	37.17	31	62	31	50.0	1	15	1	20.8	5.1
Paradise	------	------	------	24.00	----	------	----	------	----	------	----	------	----
Philadelphia	33.6	43.6	39.2	38.80	31	64	31	52.8	1	16	1	25.0	6.4
Pittsburg, [Oakland Station]	28.1	38.7	33.3	33.37	6	56	5	48.7	1	5	1	19.3	----
Pittsburg, [Marine Hosp.] (*c*)	35.6	40.9	37.6	38.03	17	61	17	50.5	1	15	1	23.0	----
Pocopson	32.1	42.7	35.7	36.83	6	61.5	6	51.2	1	15.5	1	22.7	6.1
Pottsville	28.6	39.6	29.8	32.67	31	65	31	43.0	1	9	1	17.9	5.9
Randolph	24.8	36.6	27.6	29.67	17	54 *a*	31	43.0	1	0	1	14.3	7.2
West Haverford	31.5	43.3	------	37.40	31	66	31	53.0	1	14	1	22.0	5.9
MARYLAND—													
Bladensburg (*d*)	34.0	48.6	38.1	40.23	6	69	?	?	1	14	?	?	3.9
Frederick	33.2	44.2	37.7	38.37	6	60	6	51.3	1	15	1	25.6	6.0
Sykesville	32.5	45.6	36.7	38.27	6	65	6	51.7	1	10	1	24.7	5.0
DISTRICT OF COLUMBIA—													
Washington	37.56	46.87	40.29	41.57	6	64	6	56.0	1	22	21 28	33.0	----
VIRGINIA—													
Alexandria	33.6	45.5	38.4	39.17	6	64	6	55.3	1	17	1	25.0	6.0
Ashland	33.6	47.1	36.9	39.20	17	66	17	54.0	1	8	1	22.0	4.5
Crichton's Store (*e*)	42.1	51.6	51.8	48.50	6	68	6	63.7	1	28	22	33.0	5.5
Lewisburg	34.8	49.3	40.7	41.60	17	66	12	55.0	1	16	28	25.3	6.5
Smithfield	------	------	------	43.63	6	66	5	59.35	1	16	1	25.75	----
Winchester	34.1	48.3	37.7	40.03	31	68	6	55.7	1	16	1	24.7	4.8
NORTH CAROLINA—													
Chapel Hill	39.2	55.7	45.6	46.83	12	75	6	63.6	1	19	1	30.0	4.6
Thornbury	38.8	53.5	43.4	45.23	6	71	6	63.0	2	21.3	1	29.5	5.2
SOUTH CAROLINA—													
All Saints	46.1	60.1	51.8	52.67	16	81	17	72.7	2	25	1	33.0	3.1
Camden	43.6	62.0	51.2	52.27	17	85	17	72.6	2	17	1	31.3	5.5
Charleston	48.7	61.7	54.3	54.90	----	77	17	------	----	28	1	------	----
GEORGIA—													
Savannah	48.9	65.1	55.1	56.37	15	84	15	72.7	1	28.2	1	36.9	3.7
Sparta	42.4	63.2	51.8	52.47	16	82	16	73.0	2	19	1	31.0	4.5
The Rock	------	------	------	51.07	----	------	----	72.0	----	------	----	26.0	----
Whitemarsh Island	48.0	62.6	53.2	54.60	15	80	15	69.3	2	30 *f*	1	36.3	3.6
FLORIDA—													
Cedar Keys	56.1	63.6	60.0	59.90	17	74 *g*	18	71.3	1	35	1	42.7	3.8
Jacksonville	55.2	69.3	57.0	60.50	16	86	15	76.3	1	33	1	39.3	3.1
Key West	66.7	72.3	------	69.50	17	82 *g*	17	78.0	2	48	2	52.0	4.2
Knox Hill	51.7	65.9	56.0	57.87	12	82 *h*	15	76.0	1	28	1	37.0	6.5
Warrington	51.9	64.0	60.1	58.67	17	78	17	73.3	1	29	1	40.7	3.9

a Same temperature on the 31st.
b Same temperature on the 8th and 9th.
c Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 31.8.
d Observations incomplete.
e Observations taken at 9 a. m., noon, and 5 p. m. Irregular.
f Same temperature on the 29th.
g Same temperature on the 18th.
h Same temperature on the 13th, 14th, and 15th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
ALABAMA—	°	°	°	°		°		°		°		°	
Auburn	46.2	63.6	54.6	54.80	14	82	16	73.7	1	23	1	34.7	3.3
Greene Springs	47.1	66.6	55.2	56.30	16	87	16	77.3	2	23	1	33.7	3.5
Tuscaloosa	44.7	62.2	51.8	52.90	16	83.5	16	76.0	1	24.3	1	32.7	4.2
MISSISSIPPI—													
Columbus	----	----	----	53.89	----	82	----	----	----	21.5	----	----	----
Garlandsville	47.8	69.1	55.4	57.43	16	87	16	78.0	2	25	1	38.3	4.3
Oxford	42.7	58.0	48.6	49.77	8	78 *a*	11	69.7	1	23	1	30.3	4.0
LOUISIANA—													
New Orleans	52.1	64.8	58.0	58.30	16	82	16	75.0	1	31	1	36.3	5.1
TEXAS—													
Austin	45.4	70.5	54.5	56.80	----	98	8	77.0	----	24	21	40.0	4.9
New Wied	51.6	72.6	55.2	59.80	8	99	8	80.3	1	30	21	39.7	6.3
TENNESSEE—													
Friendship	----	----	----	----	----	----	----	----	----	----	----	----	3.4
Glenwood	37.1	51.4	43.5	44.00	12	74.5	12	67.2	1	17	1	27.0	4.7
Knoxville	37.6	53.4	45.0	45.33	----	73.5	12	67.5	----	18	28	26.7	4.3
Lebanon	39.8	50.2	46.7	45.57	----	72	12	65.3	----	21.5	1	30.5	4.0
KENTUCKY—													
Ballardsville	34.0	42.8	38.4	38.40	11	58	11	52.7	1	14	28	24.7	4.9
Danville	38.8	51.2	42.7	44.23	11	70	11	63.3	1	17	1	28.0	4.0
Millersburg	33.7	45.0	38.0	38.90	13	60	13	54.0	1	11	1	22.3	5.0
Springdale	31.7	45.7	40.9	39.43	31	60	11	55.5	1	10	21	26.5	5.6
OHIO—													
Berea	25.6	34.9	30.1	30.20	31	51	31	44.3	1	— 8	1	10.7	5.6
Cincinnati (*b*)	35.9	46.2	39.0	40.37	31	63	13	50.7	1	18	28	28.0	3.5
Gallipolis	35.6	47.4	37.9	40.30	31	65	17	53.3	1	16	1	24.7	----
Germantown	29.5	40.1	32.6	34.07	31	56.3	14	39.0	1	7.7	20	33.6	6.1
Granville	30.9	40.7	35.2	35.60	13	59	5	48.0	1	9	20	21.7	6.0
Hillsborough	30.8	40.8	34.7	35.43	13	57 *c*	13	47.3	1	11	20	22.2	5.2
Jackson, [Crookam]	34.1	46.6	36.5	39.07	31	64	13	51.3	1	9	1	24.3	6.2
Marietta	29.9	43.6	36.0	36.50	17	58 *c*	15	48.3	1	4	1	20.0	4.8
Mount Vernon	28.5	40.7	32.5	33.90	14	53	5	46.7	1	3	1	19.7	5.3
Newark (*d*)	30.2	42.8	34.6	35.87	14	60.5	13	46.5	1	7	1	19.0	6.0
New Lisbon	27.6	36.8	31.6	32.00	----	55	14	42.3	----	1	1	12.3	5.3
Oberlin (*e*)	28.4	39.1	32.5	33.33	5	64	5	51.0	1	— 2	1	8.0	4.9
Perrysburg (*f*)	31.6	41.4	32.9	35.30	30	59	5	48.3	1	2	1	19.0	----
Richmond	----	----	----	----	----	----	----	----	----	----	----	----	5.6
Urbana	27.0	40.9	32.0	33.30	13	59	5, 13	46.3	1	— 1	1	14.7	5.9
Zanesville	30.3	42.7	34.4	35.80	31	58	15	49.3	1	12	20	22.7	6.4
MICHIGAN—													
Ann Arbor, [Winchell]	24.4	33.6	28.9	28.97	31	51	5	42.3	22	5	24	16.0	5.8
Ann Arbor, [Woodruff]	24.1	35.5	29.8	29.80	31	54	31	44.0	1	3	1	16.3	6.4
Battle Creek	26.1	39.9	28.2	31.40	5	58	3	47.0	1	— 5	1	12.3	5.2
Cooper	28.1	34.9	30.4	31.13	31	52	5, 31	42.7	22	14	24	16.7	5.5
Detroit	27.1	35.9	31.1	31.37	31	54	31	46.0	1	4	1	17.7	8.2
Flint	24.1	39.5	30.4	31.33	----	55	5	46.67	----	— 1	----	----	----
Grand Rapids	23.8	34.9	28.7	29.13	2	48 *g*	5	41.7	22	0	1, 20	19.0	5.0
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	5.4
St. James	20.4	33.9	24.2	26.17	29	49	30	35.8	21	4	9	16.0	5.7
Saugatuck	30.2	39.2	31.4	33.60	31	48	5, 30	42.7	1	7	1	21.7	6.4
INDIANA—													
Madison	34.2	42.9	38.1	38.40	11	54	11	51.0	1	18	1	28.0	6.2
Milton	28.8	38.9	33.1	33.60	7	54	5	47.2	1	8	20	19.7	4.9
New Harmony	33.5	45.8	37.3	38.87	11	63	11	59.0	1	11	1	23.3	5.2
ILLINOIS—													
Athens	28.6	43.6	33.5	35.23	5	68	5	56.0	1	2	20	15.7	5.2
Augusta	27.2	40.9	33.2	33.77	8	65	8	53.0	1	— 1	20	12.3	4.7
Manchester (*f*)	30.1	40.9	34.6	35.20	5	66	5	54.7	1	8	20	14.7	5.0

a Same temperature on the 12th.
b Observations taken at 6 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 31st.
d No observations on the 1st at 9 p. m.
e No observation on the 1st at noon.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Same temperature on the 5th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Ottawa	27.0	40.2	30.9	32.70	8	59	5,8	45.0	1	— 1	20	12.7	4.8
Upper Alton	30.9	44.9	36.9	37.57	5	68	5	58.0	1	12 *a*	20	17.0	3.5
MISSOURI—													
Hannibal	----	----	----	----	----	----	----	----	----	----	----	----	4.7
St. Louis	33.6	45.5	39.1	39.40	5	70.5	5	60.8	20	15	20	20.0	4.6
WISCONSIN—													
Beloit	21.8	35.8	26.9	28.17	8	54 *b*	8	41.7	21	— 1	20	8.3	3.2
Ceresco	20.5	34.4	21.6	25.50	23	48	5	37.3	1	— 2	21	6.0	3.3
Janesville	19.81	34.58	25.16	26.52	31	50	31	38.67	21	— 6	20	6.67	5.6
Milwaukee	23.3	33.7	26.9	27.97	23	47 *b*	5	40.3	21	0	21	9.0	4.7
Platteville	23.9	36.2	28.2	29.43	6	50 *c*	23	43.0	21	— 9	21	6.7	5.0
							31						
IOWA—													
Dubuque	26.8	37.0	30 2	31.33	8	60	8	45.0	20	5	20	11.3	4.6
Fairfield	----	----	----	35.00	----	64	----	----	----	4	----	----	----
Fort Madison (*d*)	26.6	40.5	34.5	33.87	8	62	8	51.6	20	5	20	11.3	4.7
Muscatine	24.4	38.0	28.5	30.30	8	63	8	46.0	20	0	20	5.7	3.9
Pella	22.8	38.5	27.0	29.43	8	60	8	46.3	20	1	20	8.7	----
Poultney	22.0	34.5	27.2	27.90	8	52	8	41.3	20	2	20	5.7	5.7
Quasqueton	22.2	36.2	26.8	28.40	8	55	8	42.5	18	— 6	20	2.3	4.9
MINNESOTA TERRITORY—													
Lac qui Parle	20.1	32.7	24.1	25.63	4	52	4	40.2	20	— 6	19	5.0	3.5
CALIFORNIA—													
Sacramento, [Logan]	----	----	----	54.82	----	76	----	----	----	41	----	----	----
Sacramento, [Hatch] (*e*)	----	----	----	56.62	----	----	24	64.1	----	----	16	45.5	----
San Francisco (*f*)	51.8	67.0	53.7	57.58	----	----	----	----	----	----	----	----	----
MEXICO—													
Mirador (*g*)	----	----	----	64.09	----	----	----	75.49	----	----	----	53.73	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	----	----	----	55.77	----	75	----	----	----	43	----	----	----
WESTERN AFRICA—													
Nengeneng	77.84	82.74	80.47	80.35	18	88 *h*	28	83.33	23	74	22	76.00	----

a Same temperature on the 20th.
b Same temperature on the 31st.
c Same temperature on the 23d.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Observations taken at sunrise, noon, sunset, and 10 p. m.
f Observations taken at sunrise, 9 a. m., noon, and 10 p. m. Mean at 9 a. m., 57.81.
g Hours of observation not given.
h Same temperature on the 28th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	45. 8	------	45. 16	45. 48	----	65	24	60. 33	----	22	2	24. 0	----
St. Martin	32. 2	47. 6	37. 6	39. 13	17	71. 6	24	57. 3	2	5. 7	2	15. 1	4. 7
Toronto	------	------	------	42. 43	----	69. 4	----	------	----	10. 7	----	------	5. 1
MAINE—													
Carmel (*b*)	33. 5	46. 8	34. 7	38. 33	24	70	24	58. 3	2	10	2	15. 5	5. 2
Fryeburg	------	------	------	------	----	------	----	------	----	------	----	------	5. 0
Gardiner	38. 3	48. 6	39. 9	42. 27	24	69. 5	24	56. 8	2	18	2	22. 0	5. 8
Oldtown	30. 7	44. 2	34. 6	36. 50	24	*c* 62	24 25	51. 3	2	10	2	13. 7	3. 3
Perry (*d*)	32. 0	45. 1	36. 1	37. 73	18	62	18	49. 7	2	19	2	21. 3	5. 5
Steuben	35. 2	40. 3	35. 7	37. 07	16	59	16	46. 3	2	17	2	19. 0	6. 1
NEW HAMPSHIRE—													
Concord	37. 3	49. 8	40. 2	42. 43	24	72	24	60. 0	2	18	2	24. 3	4. 8
Exeter	35. 3	49. 5	37. 6	40. 80	24	72	24	57. 7	2	18	2	24. 0	4. 8
Great Falls	36. 80	50. 63	38. 87	42. 10	24	75	24	60. 0	2	14. 5	2	19. 0	4. 6
Londonderry	37. 6	51. 2	42. 0	43. 60	19	78	24	61. 0	2	16	2	21. 3	5. 2
Manchester (*e*)	34. 8	49. 1	42. 2	42. 03	16	64	22	53. 3	2	15	2	24. 3	5. 8
VERMONT—													
Brandon	36. 9	50. 4	40. 8	42. 70	23	69	24	60. 3	2	12. 5	2	18. 0	5. 2
Burlington	39. 7	50. 6	40. 6	43. 63	24	76	24	65. 0	2	9	2	17. 0	3. 1
Craftsbury	33. 00	44. 43	35. 17	37. 53	24	67	24	58. 0	2	3	2	9. 0	5. 6
Montpelier (*f*)	29. 20	46. 50	40. 00	38. 57	----	------	----	------	----	------	----	------	----
St. Johnsbury	34. 70	47. 14	38. 70	40. 18	----	70	24	56. 33	----	12	2	17. 0	3. 4
MASSACHUSETTS—													
Amherst	38. 3	51. 3	41. 9	43. 83	25	76	25	62. 0	2	17	2	22. 3	5. 0
Boston (*g*)	38. 53	52. 53	42. 83	44. 63	18	72	18	60. 3	2	18	2	24. 0	4. 4
Mendon	40. 1	51. 4	41. 4	44. 30	19	71	24	57. 3	2	17	2	22. 0	5. 8
Nantucket	43. 3	49. 0	42. 0	44. 77	19	63	19	53. 2	2	28	2	31. 5	5. 0
New Bedford	40. 6	51. 3	41. 6	44. 50	----	76	19	60. 3	----	20. 5	2	27. 2	6. 5
Newburyport	38. 4	50. 7	41. 7	43. 60	24	77	24	61. 4	2	17. 6	2	23. 0	5. 2
North Attleboro'	40. 4	50. 8	41. 2	44. 13	19	72	18	58. 3	2	18. 5	2	23. 5	4. 9
Princeton	36. 2	46. 6	38. 7	40. 50	----	67. 2	24	55. 7	----	13. 5	2	17. 8	5. 8
Richmond	34. 9	48. 7	40. 2	41. 27	18	72	18	56. 7	2	10	2	16. 7	5. 8
Southwick	------	------	------	------	----	------	----	------	----	------	----	------	5. 2
Springfield	38. 5	54. 0	42. 8	45. 10	25	80	25	63. 3	2	16	2	22. 3	4. 5
Westfield	37. 23	50. 70	42. 67	43. 53	26	76	25	60. 67	2	16	2	22. 0	----
Williamstown	37. 2	48. 7	41. 7	42. 53	19	67	19	57. 2	2	13	2	18. 7	6. 2
Wood's Hole	41. 2	49. 5	43. 5	44. 73	18	63	19	56. 67	2	21	2	27. 3	5. 5
Worcester	38. 9	50. 2	41. 3	43. 47	24	67	18	58. 7	2	20	2	24. 0	----
RHODE ISLAND—													
Providence (*h*)	38. 7	52. 5	41. 0	44. 07	19	76	18	58. 0	2	18	2	25. 0	5. 3
CONNECTICUT—													
New London	43. 8	54. 0	43. 3	47. 03	19	80	19	62. 0	2	24	2	29. 3	4. 6
Pomfret	38. 2	50. 1	39. 9	42. 73	25	77	25	59. 3	2	16	2	22. 0	5. 0
Saybrook (*i*)	39. 1	48. 4	40. 9	42. 80	25	64	25	54. 0	2	19	2	27. 7	4. 6
NEW YORK—													
Angelica	38. 13	52. 79	39. 30	43. 41	18	82	25	66. 0	1	14	2	21. 33	3. 8
Baldwinsville	38. 4	47. 6	43. 2	43. 07	24	70	24	63. 3	2	15	2	20. 0	5. 4
Beverly	41. 4	52. 3	44. 4	46. 03	25	77	25	67. 3	2	21	2	29. 7	4. 7
Canton	37. 5	49. 7	40. 8	42. 67	24	72	24	63. 0	2	10	2	18. 0	5. 7
Fishkill	42. 13	55. 70	50. 96	49. 63	----	81	----	------	----	4	----	------	----
Gouverneur	38. 1	51. 1	41. 6	43. 60	18	70	17	62. 0	2	10	2	18. 7	5. 9
Lodi	42. 2	51. 1	41. 8	45. 03	18	78	24	66. 3	2	12	2	19. 7	5. 7
Lowville (*j*)	33. 1	47. 4	36. 5	39. 00	24	70	24	57. 3	2	9	2	16. 3	5. 1
New York city	43. 7	52. 4	46. 1	47. 40	25	79	25	68. 1	2	27	2	32. 7	4. 9
Penn Yan (*k*)	36. 4	53. 6	45. 2	45. 07	18	79	18	68. 3	2	15	2	21. 3	5. 7
Sag Harbor	41. 6	54. 9	43. 6	46. 70	25	85	25	64. 3	2	24	2	30. 7	4. 6

a Observations taken at 9 a. m. and 9 p. m.
b No observations on the 2d at 9 p. m.
c Same temperature on the 25th.
d Observations taken at sunrise, 2 p. m., and 9 p. m.
e Observations very irregular from the 17th to the 26th.
f Observations taken at sunrise, noon, and sunset.
g Observations taken at 6 a. m., 2 p. m., and 10 p. m.
h Observations taken at 6 a. m., 1 p. m., and 10 p. m.
i Observations taken at 7 a. m., 2 p. m., and 11 p. m.
j Observations taken at sunrise, noon, and 9 p. m.
k Observations taken at sunrise, 2 p. m., and sunset.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Smithville	39.0	49.2	40.1	42.77	24	70	24	64.0	2	14	2	19.7	4.9
Spencertown	39.8	49.2	39.6	42.87	24	72	25	60.3	1	*a* 20	2	24.0	4.9
Wampsville	40.23	53.20	40.53	44.65	24	78	24	65.0	2	*a* 16	2	22.0	5.7
NEW JERSEY—													
Bloomfield	41.4	54.2	44.1	46.57	25	82	25	68.0	2	23.5	2	31.8	4.2
Burlington	44.2	59.8	49.4	51.13	25	83	25	69.3	2	24	2	32.7	3.8
Lambertville	42.93	60.23	46.24	49.80	19	85	19	69.33	2	22	2	34.0	5.1
Newark	-------	-------	------	48.95	25	85	25	71.4	2	21	2	33.4	----
PENNSYLVANIA—													
Bedford	43.9	61.2	49.2	51.43	19	86	19	74.0	2	20	2	25.7	4.1
Easton	42.63	59.97	46.53	49.71	19	86	19	68.33	2	22	2	29.33	4.5
Gettysburg	45.5	61.9	49.3	52.23	19	89	19	77.0	2	24	2	31.0	3.7
Harrisburg	46.8	60.3	53.7	53.60	19	83	19	72.0	2	*a* 28	2	34.7	4.3
Lima	45.2	58.0	48.0	50.40	19	85	19	72.6	2	*b* 26	3	32.6	5.1
Morrisville	42.5	57.6	47.1	49.07	19	*c* 82	19	67.7	2	26	2	34.7	3.3
Mossgrove	41.62	55.20	45.58	47.47	18	84	18	72.0	3	12	2	17.33	3.7
Norristown	44.9	55.8	48.4	49.70	25	82	25	69.7	3	30	1	34.7	4.5
Paradise	-------	-------	-------	37.00	----	------	----	-------	----	-------	----	-------	----
Philadelphia	47.0	59.6	52.1	52.90	25	86	25	74.0	2	26	2	34.0	5.9
Pittsburg, [O. S.]	44.47	61.23	47.73	51.14	25	83	18	72.0	2	*a* 19	2	24.0	----
Pittsburg, [M. H.] (*d*)	48.1	58.5	54.1	52.42	18	83	25	69.5	1	31	2	32.5	----
Pocopson	44.4	60.2	49.0	51.20	19	86	19	72.7	2	26.5	2	33.3	5.4
Pottsville	39.5	56.8	44.1	46.80	19	85.5	19	69.2	1	*e* 25	2	29.7	5.5
Randolph	42.7	57.8	44.3	48.27	18	88	18	74.0	1	*e* 16	2	20.3	4.5
West Haverford (*f*)	44.4	59.0	-------	51.7	19	85	19	71.0	2	23	2	30.5	4.3
MARYLAND—													
Bladensburg (*g*)	50.3	66.2	50.0	55.50	19	94	19	79.9	4	28	2	38.0	3.6
Frederick	47.7	63.2	52.5	54.47	25	88.5	19	76.2	2	27.8	2	34.9	5.2
Sykesville	48.3	63.5	50.1	53.97	19	87	19	77.3	2	28	2	34.3	3.9
DISTRICT OF COLUMBIA—													
Washington (*h*)	48.4	63.9	54.9	55.73	----	97	25	77.6	----	30	2,3	38.3	4.5
VIRGINIA—													
Alexandria	47.8	62.7	54.1	54.87	19	91	19	77.7	4	27	3	36.0	4.1
Ashland	48.2	69.3	55.1	57.53	18	94	18	77.0	3	28	2	36.0	2.1
Crichton's Store	56.8	70.9	71.7	66.30	20	93	19	85.0	3	40	3	46.7	4.6
Lewisburg	46.5	69.1	52.7	56.10	18	92	18	70.3	2	29	2	38.3	4.5
Smithfield	-------	-------	-------	59.51	19	92	19	78.5	2	22	3	40.5	----
Winchester	50.6	67.0	53.6	57.07	19	90	19	79.3	2	28	2	34.7	4.7
NORTH CAROLINA—													
Chapel Hill	55.4	75.7	61.0	64.03	19	102	19	84.0	4	37	3	40.0	3.6
Thornbury	51.9	72.3	57.0	60.40	19	97	19 26	76.6	12	34	2	38.8	4.7
SOUTH CAROLINA—													
All Saints	58.93	69.63	62.17	63.58	20	86	20	81.0	12	39	12	49.67	2.9
Camden	57.6	74.9	65.1	65.87	19	97	19	86.7	3	42	3	48.0	5.6
Charleston	60.6	72.7	62.8	65.37	----	91	20	-------	----	46	1	-------	----
GEORGIA—													
Savannah	60.5	76.6	64.5	67.20	19	99.5	20	85.9	1	47	12	55.9	3.2
Sparta	55.8	78.5	64.5	66.27	18	98	18	82.7	8	39	3	49.0	4.1
The Rock (*i*)	-------	-------	-------	62.70	----	------	----	76.0	----	-------	----	48.0	----
Whitemarsh Island	61.1	73.1	62.8	65.67	20	93	20	81.0	1	48	7	54.0	2.9
FLORIDA—													
Cedar Keys	66.2	73.0	69.0	69.40	25	81	28	75.0	1	*j* 56	1	59.0	1.8
Jacksonville	67.13	77.26	66.53	70.31	18	*k* 89	19 20	80.67	7	53	7	58.33	2.6
Key West	71.0	78.6	-------	74.80	6	84	6	79.5	1	*l* 63	8	65.5	5.0

a Same temperature on the 3d.
b Same temperature on the 3d and 4th.
c Same temperature on the 25th.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 49.8.
e Same temperature on the 2d.
f No observations at 9 p. m. Observations after the 13th taken at Philadelphia.
g Incomplete.
h No observations on face of the sky for the first ten days of the month.
i Observations taken morning, 3 p. m., and evening.
j Same temperature on the 8th.
k Same temperature on the 19th and 20th.
l Same temperature on the 2d and 8th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Knox Hill (*a*)	62.90	81.40	66.90	70.40	20	*b* 91	20	79.7	1	45	1	55.33	4.2
Warrington (*c*)	64.3	74.1	70.8	69.73	22	*d* 80	29	76.7	2	50	1, 2	61.3	2.4
ALABAMA—													
Auburn	61.4	79.5	68.6	69.83	----	96	19	83.0	----	47	7	53.7	2.2
Greene Springs (*e*)	67.4	80.9	69.4	72.57	18	96	17	82.7	1	*f* 48	7	55.0	2.2
MISSISSIPPI—							18						
Columbus	------	------	------	69.07	?	90	----	------	?	45	----	------	----
Garlandsville (*g*)	63.5	84.4	71.8	73.23	19	98	19	84.0	1	*h* 45	1	59.0	4.3
Oxford	63.3	75.8	65.7	68.27	17	86	18	80.7	1	46	6	50.5	3.2
LOUISIANA—													
New Orleans	63.3	78.8	69.7	70.60	22	*i* 85	22	77.8	1	44.5	1	57.2	3.0
TEXAS—													
Austin	62.1	84.0	67.3	71.13	19	*j* 92	27	77.7	6	*f* 40	6	53.3	5.1
							28						
							29						
New Wied	66.6	84.6	68.8	73.33	19	94	19	81.3	7	32	6	55.3	4.5
TENNESSEE—													
Friendship (*k*)	63 1	81.1	66.2	70.13	18	91	19	80.7	27	*i* 52	15	62.7	3.3
Glenwood	57.8	71.1	60.3	63.07	18	90	19	80.3	7	36.3	2	43.2	5.7
Knoxville	54.2	70.9	59.3	61.47	18	92	18	78.8	7	36	7	43.0	4.3
KENTUCKY—													
Danville	56.4	70.9	59.1	62.13	19	*l* 89	18	79 3	2	33	2	43.3	3.0
Millersburg	50.7	66.8	59.5	59.00	18	*m* 84	18	79.7	2	26	2	35.3	3.7
OHIO—													
Cincinnati (*n*)	51.13	68 97	59.30	59.80	18	92	18	79.7	2	27	2	38.0	2.6
Gallipolis	53.30	70.15	54.23	59.23	19	91.5	19	78.0	2	29	2	34.33	----
Germantown	49.3	65.9	53.4	56.20	18	90.9	18	77.1	2	21.4	2	29.7	4.9
Granville	49.5	64.4	53.5	55.80	18	86	18	77.0	2	22	2	32.3	3.5
Hillsborough	49.6	64.0	54.3	55.97	18	87	18	77.5	2	22	2	31.3	3.3
Jackson, [Crookam]	49.7	69.7	52.5	57 30	18	94	19	76.7	3	27	2	33.3	5.5
Jackson, [Gilmor]	49.9	69.4	54.1	57.80	25	93	19	78.3	2	30	2	35.7	----
Jackson, [Wood] (*o*)	52.2	72.2	58.2	60.87	25	93	19	78.3	11	*p* 32	11	43.0	3.8
Marietta	44.9	65.5	51.5	53.97	18	*m* 87	18	72.3	3	20	2	30.0	3.1
Mount Vernon	48.7	67.2	50.1	55.33	18	90	24	75.0	2	20	2	27.7	2.9
Newark	47.9	62.8	51.5	54.07	18	88	18	76.7	2	22	2	28.3	3.7
New Lisbon	44.53	57.57	47.03	49.71	----	81	18	71.0	----	18	2	27.33	2.9
Oberlin (*q*)	48.7	60.4	48.5	52.53	18	86	18	75.3	2	19	2	19.0	3.2
Perrysburg (*r*)	53.7	64.8	53.3	57.27	18	89	18	82.0	1	26	1	31.3	----
Richmond	------	------	------	------	----	------	----	------	----	------	----	------	3.2
Savannah (*s*)	55.5	66.8	55.0	59.10	18	93	18	85.7	11	30	6	36.0	4.3
Unionville	47.9	56.7	46.5	50.37	18	85	18	77.7	1	*t* 26	2	27.7	4.5
Urbana	47.83	65.77	52.00	55.20	25	90	25	79.0	2	29	2	28.0	3.8
Zanesville	47.7	65.4	53.9	55.67	25	90	25	76.7	2	24	2	35.0	5.3
MICHIGAN—													
Ann Arbor, [Winchell]	42.7	57.5	47.0	49.07	18	84	18	72.6	2	13	2	23.2	4.3
Ann Arbor, [Woodruff]	42.3	59.7	49.6	50.53	18	85	18	74.0	2	17	1	24.6	4.0
Battle Creek	44.7	62.0	47.5	51.40	18	86	18	72.7	2	16	1, 2	25.0	3.4
Cooper	49.0	60.0	48.7	52.57	24	84	18	72.0	1	22	1	28.7	3.3
Detroit	44.3	57.1	47.6	49.67	18	84	18	73.0	2	18	2	25 0	7.7
Flint	43.0	60.0	46.6	49.87	18	87	----	------	2	14	----	------	----
Grand Rapids	41.3	56.9	46.8	48.33	18	*u* 78	18	74.0	2	16	1	24.7	3.8
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	4.7
St. James	37.86	48.81	36.80	41.16	29	73	29	61.67	1	15.5	1	21.16	4.7
Saugatuck	46.2	57.3	47.2	50.23	17	81	17	72.3	1	21	1	27.3	4.1

a Observations omitted from the 10th to the 18th.
b Same temperature on the 21st.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 27th, 29th, and 30th.
e Incomplete.
f Same temperature on the 7th.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 8th.
i Same temperature on the 28th.
j Same temperature on the 29th.
k No observations for the first 13 days.
l Same temperature on the 25th.
m Same temperature on the 19th.
n Observations taken at 6 a. m., 1 p. m., and 9 p. m.
o No observations before the 6th.
p Same temperature on the 12th.
q Only one observation on the 2d, which was at 7 a. m.
r Observations taken at 7 a. m., 1 p. m., and 9 p. m.
s No observations before the 5th.
t Same temperature on the 2d.
u Same temperature on the 24th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Madison	50.4	65.5	55.3	57.07	----	89	18	75.7	----	29	2	35.8	4.8
Milton	47.9	63.4	52.0	54.43	25	85.5	18	78.5	2	22	2	30.5	2.5
New Harmony	52.73	68.73	57.60	59.69	18	*a* 89	18	80.33	2	31	2	36.00	4.7
ILLINOIS—													
Athens	51.5	72.1	57.3	60.30	17	*b* 92	17	81.7	1	28	1, 2	36.0	4.4
Augusta	49.2	68.1	57.2	58.17	17	*c* 90	17	79.7	2	28	1	36.0	3.7
Manchester (*d*)	50.6	70.8	56.6	59.33	25	94	18	80.7	2	30	2	36 7	3.8
Ottawa	47.8	67.0	50.6	55.13	18	91	17	78.7	1	23	1	31.3	4.5
Upper Alton	51.7	69.0	59.8	60.17	25	89	25	81.3	7	28	2	38.7	3.1
MISSOURI—													
Hannibal	------	------	------	------	----	------	----	------	----	------	----	------	4.8
St. Louis	55.72	70.13	60.80	62.22	25	93	25	82.20	2	32	2	40.33	4.3
WISCONSIN—													
Beloit	42.5	61.8	47.0	50.43	17	86	17	74.0	2	21	1	26.3	2.0
Ceresco	45.4	57.5	43.7	48.87	24	85	17	72.0	2	18	1	21.3	5.2
Janesville	40.5	62.8	45.9	49.73	17	87	17	73.0	2	14	1	24.3	3.9
Milwaukee	44.3	54.2	41.6	46.70	24	84	18	68.3	1	20	1	24.3	2.7
Platteville	46.5	65.0	54.5	55.33	24	88	17	76.7	2	23	1	29.3	3.8
IOWA—													
Dubuque	49.1	63.8	53.4	55.43	17	92	17	77.3	2	28	1	32.3	3.7
Fairfield	------	------	------	61.00	----	93	----	------	----	24	----	------	----
Fort Madison (*e*)	46.5	66 8	58.8	57.37	18	90	25	80.3	10	24	2	35.0	4.0
Muscatine	45.8	65.9	51.2	54.30	17	87	17 25	77.3	10	24	10	32.7	3.3
Pella	46.5	67.0	52.0	55.17	17	92	24	84.0	10	26	1	32.0	----
Poultney	44.5	63.2	48.1	51.93	17	92	17	78.3	1	24	1	28.0	4.3
Quasqueton	46.1	63.9	52.4	54.13	17	92.3	17	77.7	1	24	1	28.7	3.9
MINNESOTA TERRITORY—													
Lac qui Parle	45.8	61.3	48.6	51.90	17	90	17	74.0	9	23	9	28.0	3.2
MEXICO—													
Mirador (*f*)	------	------	------	67.01	----	------	----	73.8	----	------	----	59.0	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	------	------	------	63.12	----	77	----	------	----	48	----	------	----

a Same temperature on the 25th.
b Same temperature on the 19th.
c Same temperature on the 18th.

d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Observations taken at 6 a. m., noon, and 7 p. m.
f Hours of observation not given.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
British America—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	58.0	.....	55.9	56.95	31	73	31	72.5	7	37	8	39.5	....
St. Martin	46.9	67.2	52.0	55.37	31	89	31	74.9	10	32	7	42.9	2.0
Toronto	.....	.....	.....	53.07	....	77.5	....	.....	....	33	....	.....	4.6
Maine—													
Carmel (*b*)	47.3	64.4	47.2	52.97	31	86	31	70.0	20	35	20	38.3	5.3
Fryeburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.3
Gardiner	51.0	61.3	50.9	54.40	31	79	31	68.0	10	41	1, 21	43.0	6.1
Oldtown	42.8	57.3	44.6	48.23	31	74	31	61.3	12	33	1	39.7	....
Perry (*c*)	39.8	52.7	43.7	45.40	31	68	25	56.3	10	33	1	37.0	7.0
Steuben	43.5	52.7	45.8	47.33	31	73	31	62.0	1	33 *d*	1	35.3	6.7
New Hampshire—													
Concord	50.2	64.5	52.4	55.70	31	80	15	68.3	1	40 *e*	9	43.7	3.2
Exeter	47.1	60.6	48.5	52.07	31	80	31	68.7	11	36	8	41.3	4.5
Great Falls	49.23	64.24	49.73	54.40	31	81	31	69.3	9	38.5	9	42.8	4.7
Manchester	48.96	66.67	54.52	56.72	31	81	31	70.33	3	38	16	44.67	5.3
Vermont—													
Brandon	49.0	64.0	53.9	55.63	24	82	31	71.7	7	37	9	44.3	3.5
Burlington	51.3	65.8	54 8	57.30	31	85	31	74.3	7	40	7	46.0	2.1
Craftsbury	44.81	60.26	49.39	51.49	31	80	31	69.0	7	32	7	39.0	4.2
Montpelier (*f*)	39.50	61.70	52.70	51.30	...	.....	....	.....	....	.....	....	.....	....
St. Johnsbury	51.04	62.48	51.93	55.15	31	83	31	71.33	7	40 *g*	21	46.33	1.9
Massachusetts—													
Amherst	50.2	66.0	53.7	56.63	16	81	16	70.3	9	38.2	9	40.8	4.1
Boston (*h*)	47.87	64.29	52.61	54.92	16	82	16	73.5	3	36	3	44.0	3.5
Mendon	51.1	62.0	51.2	54.77	31	76	31	68.1	2	36	9	40.0	3.8
Nantucket	51.2	57.0	48.7	52.30	30	67.5	30	61.7	9	39.5	10	42.8	4.6
New Bedford	50.9	60.8	49.6	53.77	25	73	25	63.7	9	37	9	39.0	7.1
Newburyport	50.3	62.0	51.9	54.73	31	82	16	71.7	3	40.1	2	41.9	5.5
North Attleboro'	50.7	62.8	49.3	54.27	16	77.7	16	67.8	9	36.3	9	39.0	4.4
Princeton	47.9	60.2	50.5	52.87	24	77	16	66.2	9	35	9	36.8	5.1
Richmond	46.5	65.5	55.5	55.83	24	82	15	71.0	4	28	4	34.3	4.9
Southwick (*i*)	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
Springfield	50.8	66.9	55.5	57.73	16	82	16	71.3	9	38	9	40.7	3.1
Westfield	45.50	65.65	53.48	54.88	16	82	31	67.3	9	37	10	47.0	....
Williamstown (*j*)	48.89	61.08	52.70	54.22	24	80	31	71.33	10	36.5	10	44.70	4.0
Worcester	51.0	63.4	51.2	55.20	24	79	16	70.3	23	35	9	39.2	3.6
Rhode Island—													
Providence (*k*)	49.2	63.5	50.3	54.33	16 31	78	16	68.3	9	35	9	33.0	4.8
Connecticut—													
New London	54.6	65.4	52.3	57.43	14	79 *l*	25	68.00	9	36	9	41.3	4.4
Pomfret	49.7	62.7	50.3	54.23	16	78	16	68.7	9	35	9	38.3	4.7
Saybrook (*m*)	51.1	61.3	50.6	54.33	25	74	25	68.0	9	38	9	40.7	4.1
New York—													
Angelica	49.68	63.94	49.39	54.34	30	86	31	72.00	8	32	8	36.67	2.5
Baldwinsville	48.8	60.3	53.5	54.20	31	76	31	70.7	8	38	8	38.7	3.3
Beverly	52.7	63.6	57.1	57.80	14	74 *n*	16	72.0	9	38	9	38.7	4.5
Canton	51.4	68.5	55.0	58.30	31	88	31	77.3	7	36	7	41.3	3.9
Fishkill	53.29	70.22	65.45	63.32	....	83	....	.....	....	40	....	.....	....
Gouverneur	53.6	65.3	56.7	58.53	31	80	31	72.7	2	40 *e*	9	44.7	3.4
Lodi	51.9	62.7	52.6	55.73	30	79 *o*	31	72.0	8	34	8	36.3	4.4
Lowville (*p*)	44.06	64.94	51.26	53.42	30	84 *o*	31	66.0	10	30	9	38.25	3.7
Madrid (*q*)	59.55	70.85	59.05	63.15	29	78.8	31	69.8	26	51	27	59.5	2.9
New York city	55.6	65.4	57.0	59.33	16	81	16	74.0	9	38.2	9	39.4	4.1

a Observations taken at 9 a. m. and 9 p. m.
b No observations before the 15th.
c Observations taken at sunrise, 2 p. m. and 9 p. m.
d Same temperature on the 3d.
e Same temperature on the 10th.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 8th, 10th, and 21st.
h Observations taken at 6 a. m., 2 p. m., and 10 p. m.
i Observations irregular, only 3 at 9 p. m.
j Hours of observation variable.
k Observations taken at 6 a. m., 1 p. m., and 10 p. m.
l Same temperature on the 25th and 30th.
m Observations taken at 7 a. m., 2 p. m., and 11 p. m. None on the 25th at 11 p. m.
n Same temperature on the 16th and 24th.
o Same temperature on the 31st.
p Observations taken at sunrise, noon, and 9 p. m.
q Incomplete.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Oswego	49. 0	61. 6	51. 6	54. 07	30	83	31	68. 0	7	37	8	40. 3	----
Penn Yan(*a*)	44. 5	63. 2	54. 4	51. 03	30	81	31	67. 10	7	33	8	36. 67	5. 2
Sag Harbor	52. 7	67. 3	52. 2	57. 40	15	85	15	69. 7	9	37	9	39. 7	4. 1
Smithville	48. 5	63. 7	50. 8	54. 33	30	84 *b*	31	74. 7	10	32	9	41. 7	3. 1
Spencertown	59. 6	63. 1	47. 6	53. 77	16	84	31	69. 0	11	32	9	37. 0	3. 6
Wampsville	50. 22	67. 58	51. 26	56. 35	30	86 *b*	31	75. 3	9	37	8	41. 0	3. 7
NEW JERSEY—													
Bloomfield	53. 0	69. 1	55. 6	59. 23	16	85. 5	16	73. 3	9	39	9	40. 0	3. 6
Burlington	55. 0	70. 1	59. 9	61. 67	16	85	16	77. 7	9	40 *c*	9	43. 0	2. 8
Lambertville	54. 68	71. 42	56. 36	60. 82	16	92	16	77. 67	10	31	9	41. 00	6. 0
Newark (*d*)	------	------	------	59. 09	----	83	16	74. 5	----	32. 75	9	43. 0	----
PENNSYLVANIA—													
Bedford	54 1	71. 6	60. 3	62. 0	24	85	24	73. 3	10	35	8	40. 0	3. 9
Easton	53. 71	72. 45	59. 52	61. 89	24	88	24	73. 67	9	39	8	44. 0	3. 9
Gettysburg	57. 9	73. 8	59. 8	63. 83	15	88 *e*	24	76. 3	8	40 *f*	8	43. 3	4. 0
Harrisburg	57. 5	72. 9	64. 4	64. 93	24	87	24	78. 0	9	44	8	48. 7	4. 0
Lima	56. 0	68. 0	57. 5	60. 50	15	83. 2	16	75. 3	9	41	9	44. 6	4. 9
Meadville	52. 6	67. 5	55. 2	58. 43	23	86	30	75. 6	7	34	8	37. 0	3. 6
Morrisville	53. 9	68. 6	56. 6	59. 70	14	83 *g*	16	73. 3	9	38	9	40. 7	2. 9
Moss Grove	54. 23	66. 03	53. 23	57. 83	23	87	30	72. 0	8	32	8	35. 7	3. 8
Norristown	52. 1	66. 9	56. 9	58. 63	....	83. 5	16	72. 0	....	40	9	43. 3	4. 9
Paradise	------	------	------	67. 00	----	------	----	------	----	------	----	------	----
Philadelphia	57. 8	71. 1	62. 4	63. 77	15	87	16	77. 5	9	42	9	45. 3	6. 0
Pittsburg, [O. S.]	54. 52	66. 39	56. 65	59. 19	23	81	23	71. 3	8	36	7	44. 0	----
Pittsburg, [M. H.] (*h*)	54. 7	68. 0	63. 3	61. 45	23	80	24	71. 5	10	38	8	48. 2	----
Pocopson	55. 6	71. 5	58. 9	62. 00	14	86 *i*	16	78. 0	9	42 *j*	9	45. 2	5. 2
Pottsville	50. 06	69. 80	53. 22	57. 69	14	85 *e*	24	73. 0	9	36	8, 9	41. 0	4. 4
Randolph	53. 1	68. 2	53. 3	58. 20	30	86	30	73. 7	7	32 *k*	8	33. 7	4. 3
West Haverford (*l*)	53. 6	69. 9	------	61. 75	14	84 *g*	16	75. 5	9	42	9	42. 5	3. 5
MARYLAND—													
Bladensburg (*m*)	57. 8	75. 9	57. 2	63. 63	24	89	24	81. 5	10	44	9	49. 2	3. 7
Frederick	59. 0	72. 8	61. 7	64. 50	16	87. 2	16	78. 2	8	45 *n*	9	47. 9	3. 8
Sykesville	58. 8	73. 5	59. 5	63. 93	14	85 *o*	16	77. 7	8	43 *f*	9	47. 0	3. 4
DISTRICT OF COLUMBIA—													
Washington	57 2	72. 3	63. 2	64. 23	14	85 *e*	24	76. 7	9	43	9	48. 2	4. 2
VIRGINIA—													
Alexandria	58. 8	71. 7	61. 8	64. 10	16	85	16	77. 7	8	44	9	48. 0	3. 6
Ashland	57. 1	75. 2	61. 6	64. 63	22	90	24	77. 3	8	41	8	44. 7	3. 9
Crichton's Store (*p*)	64. 1	77. 8	76. 0	72. 63	14	90	1	83. 7	4	52	4	58. 7	4. 7
Lewisburg	57. 0	76. 8	59. 2	64. 33	23	92	24	77. 0	9	40	8	44. 3	6. 2
Smithfield	------	------	------	63. 58	1	86	24	76. 75	8	41	8	50. 5	----
Winchester	60. 7	74. 2	61. 6	65. 50	24	90	24	76. 7	10	45	8	48. 7	4. 5
NORTH CAROLINA—													
Chapel Hill	60. 3	77. 3	65. 6	67. 73	24	91	24	78. 6	9	45	9	54. 0	5. 3
SOUTH CAROLINA—													
All Saints	66. 9	75. 6	69. 3	70. 60	25	83	23 24	78. 0	9	53 *c*	9, 10	57. 7	4. 1
Camden	66. 0	79. 7	69. 1	71. 60	22	93	22	83. 3	11	52	9	59. 7	5. 6
Charleston	68. 9	79. 3	80. 0	76. 07	....	90	23	------	....	55	10	------	....
GEORGIA—													
Savannah	68. 7	82. 6	70. 9	74. 07	22	95. 1	23	85. 8	9	58	9, 10	63. 7	3. 7
Sparta	61. 3	85. 2	68. 5	71. 67	23	100	23	86. 3	9	47 *q*	9	56. 0	3. 7
The Rock(*r*)	------	------	------	69. 79	....	------	....	82. 00	....	------	....	56. 00	....
Whitemarsh Island	70. 2	79. 1	71. 0	73. 43	22	90	23	83. 0	5	60 *s*	10	62. 7	3. 4

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 31st.
c Same temperature on the 10th.
d Observations taken at 7 a. m., and 5 p. m.
e Same temperature on the 24th.
f Same temperature on the 9th.
g Same temperature on the 15th.
h Observations taken at sunrise, 9 a. m., 3 p.m., and 9 p. m. Mean at 9 a. m., 59.8.
i Same temperature on the 16th.
j Same temperature on the 11th.
k Same temperature on the 8th.
l Observations until 9th taken at Philadelphia.
m Observations incomplete. None on 9th and 24th at 9 p. m.
n Same temperature on the 10th.
o Same temperature on the 16th and 24th
p Observations taken at 7 a. m , noon, and 6 p. m. Incomplete.
q Same temperature on the 10th and 11th.
r Observations taken morning, 3 p m., and evening.
s Same temperature on the 9th and 10th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date	Mean temp	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys (*a*)	72.3	78.1	74.4	74.93	27	84	27	82.5	12	60	11	68.3	3.2
Jacksonville	72.48	83.54	73.35	76.46	23	101	23	91.0	12	61	10	65.7	3.1
Key West	73.3	82.2	.....	77.75	23	*b* 88	29	83.5	12	*c* 71	16	70.5	4.1
Knox Hill	70.0	83.9	71.6	75.17	24	98	23	83.3	10	57	9	59.7	5.1
Warrington (*d*)	72.1	78.2	77.1	75.80	28	*e* 84	29	81.0	10	60	10	67.7	2.9
ALABAMA—													
Auburn (*f*)	68.9	84.3	72.3	75.17	....	99	26	92.5	....	52	9	61.3	3.2
Greene Springs	73.1	91.1	76.5	80.23	....	103	26	93.0	....	53	9	63.7	3.2
MISSISSIPPI—													
Columbus	.....	.....	.....	75.42	?	94.5	....	.....	?	48	....	.....	....
Garlandsville	75.2	92.0	78.9	82.03	29	107	23	94.3	9	56	9	62.7	4.5
Oxford	74.6	80.7	70.0	75.10	22	92	22	86.3	8	51	9	58.0	4.1
LOUISIANA—													
New Orleans	70.9	83.7	75.8	76.80	28	*g* 93.5	28	84.0	10	63	10	67.5	2.9
TEXAS—													
Austin	68.6	87.0	76.1	77.23	2	*h* 92	24	83.0	3	*i* 60	10	68.0	6.3
New Wied	75.4	93.4	75.6	81.47	19	103	25	88.3	10	63	8	71.7	5.0
TENNESSEE—													
Friendship	63.6	77.6	65.5	68.90	22	96	22	83.0	9	42	8	50.0	3.6
Glenwood	58.9	75.1	64.2	66.07	22	92.5	22	82.8	9	42.5	8	50.3	5.2
Knoxville	61.6	76.2	64.6	67.47	23	90	23	81.3	9	44.5	8	50.7	3.9
KENTUCKY—													
Millersburg	61.9	73.3	66.8	67.33	22	86	22 23	80.7	8	36	8	41.3	4.3
Springdale	53.05	75.66	66.60	65.10	22	95.5	23	81.5	8	34	8	46.0	4.6
OHIO—													
Cincinnati (*j*)	57.1	75.0	64.3	65.47	22	91	23	79.0	8	37	8	44.7	3.5
Cleveland (*k*)	55.1	63.9	55.8	58.27	30	86	30	76.3	7	*l* 36	8	37.7	....
Gallipolis	59.5	76.03	66.0	67.18	1	88	1	78.0	8	*m* 44	8	49.7	....
Germantown	57.5	72.5	57.5	62.50	22	90.3	23	74.3	8	37.6	8	42.8	....
Granville	54.6	71.3	58.4	61.43	23	86	22	75.7	8	37	8	40.7	4.8
Hillsborough	56 3	70.9	59.6	62.27	22	88	23	73.7	8	34.5	8	40.7	3.4
Jackson, [Gilmore]	58.8	77.4	62.5	66.23	22	93	23	81.3	10	*n* 36	8	45.0	4.8
Jackson, [Crookham]	58.4	76.7	60.9	65.33	2	*o* 88	22	80.0	8	40	8	43.7	6.1
Marietta	55.5	75.0	58.3	62.93	24	85	24	73.7	10	*n* 38	8	46.0	3.9
Newark	.....	.....	.....	.....	...	.....	...	.....	....	.....	....	.....	4.8
New Lisbon	55.16	67.77	56.71	59.88	...	80	23	71.67	....	38	7	51.0	3.2
Oberlin	55.0	68.3	54.6	59.30	30	90	23	76.3	7	36	8	38.0	3.3
Perrysburg (*p*)	60.8	70.2	58.7	63.23	14	84	23	76.7	7	35	7	41.7	....
Richmond	.....	.....	.....	.....	...	.....	...	.....	....	.....	....	.....	3.7
Savannah	56.3	69.9	55.0	60.40	29	94	29	77.0	8	34	8	37.0	3.9
Unionville	55.8	62.5	54.4	57.57	30	82	30	73.3	7	34	8	37.3	4.3
Urbana	58.4	74.5	59.3	64.07	22	91	29	79.7	8	33	8	40.0	4.9
MICHIGAN—													
Ann Arbor, [Winchell]	55.0	70.3	53.8	59.70	30	83.2	23	72.4	7	33	7	35.7	3.6
Ann Arbor, [Woodruff]	51.4	69.2	57.2	59.27	23	85	23	75.3	7	33	7	36.7	3.6
Battle Creek	55.1	71.9	55.7	60.90	22	94	22	77.3	7	33	7	38.3	2.8
Cooper	59.1	70.3	56.9	62.10	22	92	22	80.0	8	33	7	38.7	2.2
Detroit	53.7	66.6	54.3	58.20	23	*q* 82	30	73.7	7	32	7	36.3	4.5
Flint	53.3	71.3	54.6	59.73	23	84	....	.....	7	30	....	.....	....
Grand Rapids	51.3	68.5	55.9	58.57	22	92	22	77.0	8	35	7	38.0	3.0
St James	50.4	60.9	47.1	52.80	19	75	15	59.67	2	35	2	39.67	4.1
Saugatuck	58.4	66.8	56.7	60.63	30	85	30	76.7	7	41	7	43.7	3.6

a No observations after the 27th. None on the 27th at 9 p. m.
b Same temperature on the 29th.
c Same temperature on the 13th, 14th, and 17th.
d Observations taken at sunrise, noon, and sunset.
e Same temperature on the 31st.
f No observations on the 26th at 9 p. m.
g Same temperature on the 29th.
h Same temperature on the 4th, 13th, 20th, and 26th.
i Same temperature on the 8th and 10th.
j Observations taken at 6 a. m., 1 p. m., and 9 p. m.
k Several of the morning observations taken at sunrise.
l Same temperature on the 8th.
m Same temperature on the 10th.
n Same temperature on the 11th
o Same temperature on the 24th and 25th.
p Observations taken at 7 a. m., 1 p. m., and 9 p. m.
q Same temperature on the 30th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Madison	58.2	72.5	62.6	64.43	22	89	23	79.0	8	39.5	8	44.7	4.8
Milton	56.8	71.9	58.7	62.47	22	93.5	22	79.2	8	38	8	42.2	3.5
New Harmony	60.97	75.32	63.55	66.61	22	91	22	85.3	9	42	8	49.3	4.9
ILLINOIS—													
Athens	59.0	74.2	61.5	64.90	22	96	22	85.0	8	*a* 38	8	46.0	4.7
Augusta	57.0	70.7	60.8	62.83	22	93	22	84.0	8	38	8	48.0	4.8
Manchester (*b*)	59.2	74.2	60.0	64.47	22	94	22	84.3	8	36	8	46.7	5.8
Ottawa	59.7	73.3	56.5	63.17	22	96	22	84.7	7	36	8	44.3	4.8
Upper Alton	59.1	72.4	63.3	64.93	21	88	22	80.0	8	38	8	47.3	4.5
MISSOURI—													
Hannibal	----	----	----	----	----	----	----	----	----	----	----	----	5.3
St Louis	62.37	73.55	64.37	66.76	22	92	22	84.02	8	45	8	51.02	5 4
WISCONSIN—													
Beloit	51.8	73.2	55.1	60.03	22	93	22	81.0	8	34	8	39.0	2.8
Ceresco	58.8	68.8	52.1	59.90	22	90	22	73.0	7	*c* 32	7	38.0	5.3
Janesville	54.9	73.5	54.8	61.07	22	95	22	82.7	8	34	8	38.7	4.1
Madison	55.2	67.9	61.3	61.47	22	87	22	79.7	8	36	8	47.7	3.8
Milwaukee	50.8	61.1	49.1	53.67	15	82	15	71.0	8	35	7	38.0	4.0
Platteville	57.6	75.8	63.7	65.70	22	98	22	83.7	9	34	8	48.0	4.0
IOWA—													
Dubuque	57.7	72.7	61.3	63.90	22	99	22	81.0	8	39	8	48.0	4.3
Fairfield	----	----	----	68.00	----	96	----	----	----	31	----	----	----
Fort Madison (*d*)	56.7	72.5	65.0	64.73	22	96	22	88.7	8	36	8	47.0	4.5
Muscatine	53.7	70.1	57.5	60.43	21	86	21	75.7	8	27	9	42.7	3.1
Pella	53.6	72.4	57.4	61.13	21	91	21	74.3	8	28	8	42.7	----
Poultney	56.6	73.1	54.0	61.23	21	*e* 90	22	78.0	7	34	7	44.7	4.6
Quasqueton	54.6	72.2	56.5	61.10	21	88	21	75.8	7	34	8	46.0	4.6
MINNESOTA—													
Lac qui Parle	56.5	70.3	55.8	60.87	21	83	21	70.7	8	40	8, 23	48.7	3.5
MEXICO—													
Mirador (*f*)	----	----	----	71.19	----	----	----	75.87	----	----	----	67.23	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	----	----	----	76.10	----	98	----	----	---	55	----	----	----
WESTERN AFRICA—													
Nèngenènge	77.68	83.58	81.06	80.77	5	88	6	84.00	15	73	29	77.00	----

a Same temperature on the 9th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 8th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Same temperature on the 22d.
f Hours of observation not given.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	63.03	.....	62.23	62.63	....	88	30	85.00	....	51	3	51.50	....
Red River Settlement	65.13	76.63	65.53	69.10	15	92	13	78.00	10	48	5	59.00	3.5
St. Martin	57.54	70.04	59.36	62.31	30	94	30	84.76	17	43	12	47.30	5.1
Toronto	.....	.....	.....	59.93	....	91.5	....	.....	....	36.2	....	.....	6.5
MAINE—													
Carmel	57.15	72.28	54.77	61.40	30	92	29	78.00	19	40	9	50.67	5.8
Fryeburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.3
Gardiner	63.70	71.68	60.37	65.25	29	91	29	79.67	12	51	20	56.33	6.7
Oldtown (*b*)	51.10	63.14	51.74	55.33	16	74	2	62.33	6	41	9	49.67	2.5
Perry	51.03	64.73	54.37	56.71	29	82	29	70.67	13	*c* 44	17	49.00	5.3
South Thomaston	70.84	72.23	71.24	71.44	29	101	30	93.00	10	65	1[illegible]	66.13	3.7
Steuben	57.83	63.83	58.83	60.16	29	87	29	77.00	19	47	8	51.67	5.8
NEW HAMPSHIRE—													
Concord	60.23	71.00	60.97	64.07	30	93	30	83.67	12	49	12	54.00	4.7
Exeter	56.37	70.10	57.93	61.47	29	88	30	77.00	18	45	12	53.00	4.8
Great Falls	59.07	72.07	59.70	63.61	29	91	29	82.00	13	46	5	53.67	5.4
Londonderry	58.43	72.83	60.20	63.82	30	94	30	87.00	18	47	7	51.67	5.5
Manchester	61.33	74.00	64.06	66.46	30	96	30	86.33	12	49	12	56.67	6.4
VERMONT—													
Brandon	61.20	66.37	60.60	62.72	30	90	30	83.16	5	49	8	51.00	5.4
Burlington	60.97	71.70	61.00	64.56	30	92	30	84.60	8	49	5, 8, 12	54.67	3.6
Craftsbury	53.40	61.87	54.53	56.60	29	*d* 82	30	76.00	8	41	8	44.00	6.0
Montpelier (*e*)	50.30	68.20	57.90	58.80	30	94	30	77.33	....	.....	....	.....	....
St. Johnsbury	58.83	68.73	58.40	61.99	30	91	30	82.33	8	*f* 45	13	52.00	4.0
MASSACHUSETTS—													
Amherst	60.65	71.55	62.31	64.84	30	92	30	84.67	12	48	12	53.67	3.9
Boston (*g*)	59.37	74.67	63.73	65.92	30	*h* 92	29	82.33	13	44	13	53.33	6.5
Mendon	62.50	70.87	62.10	65.16	30	92	30	84.33	8	52	8	56.00	5.5
Nantucket	63.38	68.32	59.53	63.74	29	*d* 84	30	76.00	13	53	8	59.00	2.8
New Bedford	63.10	69.10	61.28	64.49	30	87	29	80.67	13	50	13	55.16	6.2
Newburyport	63.11	70.31	62.15	65.19	29	92	30	82.86	7	51	7	56.00	7.1
North Attleboro'	62.61	71.41	60.55	64.86	30	92	30	81.90	13	49	13	56.26	4.9
Princeton	57.90	66.90	58.30	61.03	29	85	30	78.20	13	45	5	49.33	5.9
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.0
Springfield	62.26	73.54	64.13	66.64	30	92	30	86.33	13	49	12	55.33	5.1
Westfield	56.97	70.70	61.47	63.05	30	93	30	83.33	6	45	13	52.00	....
Williamstown	55.44	69.02	61.99	62.15	30	87	30	81.50	9	44	9	53.33	6.3
Worcester	61.67	71.03	62.60	65.10	30	91	30	85.33	12	49	12	55.00	4.8
RHODE ISLAND—													
Providence (*i*)	61.7	72.0	62.1	65.27	30	95	30	81.67	13	48	13	57.33	5.2
CONNECTICUT—													
New London	64.27	73.40	62.37	66.68	30	93	30	84.00	5	*j* 54	13	59.33	5.3
Pomfret	60.79	69.34	61.43	63.85	30	88	30	81.33	12	48	12	53.67	5.5
Saybrook	60.97	68.17	62.17	63.77	26	83	29	75.33	13	51	12	56.33	5.0
NEW YORK—													
Angelica	57.27	68.33	56.83	60.81	30	93	30	79.00	13	40	4	45.67	6.3
Baldwinsville	56.50	66.50	60.73	61.24	30	89	30	81.00	12	44	12	47.33	6.6
Beverly	63.00	70.04	64.80	65.95	30	89	30	83.00	5	*k* 53	5	56.33	5.5
Canton	60.07	68.67	61.17	63.30	30	91	30	81.67	11	49	12	50.67	6.4
Fishkill	60.10	74.00	69.93	68.01	....	95	....	.....	....	52	....	.....	....
Gouverneur	59.90	69.53	59.30	62.91	30	88	30	80.00	12	42	12	47.33	7.1
Lodi	60.50	68.73	59.50	62.91	30	89	30	83.33	4	*l* 46	12	48.67	7.1
Lowville	52.47	69.60	57.10	59.72	30	89	30	77.33	6	*m* 38	12	46.00	5.3
Madrid	60.81	70.48	57.22	62.84	30	89	29	79.67	9	46	11	52.76	5.5
New York city	66.23	72.92	66.05	68.40	30	90	29	84.54	12	55	19	57.63	5.3
Oswego	55.60	64.07	58.47	59.38	30	92	30	80.67	7	36	7	47.00	....

a Observations taken at 9 a. m. and 9 p. m.
b For the first 19 days of the month only.
c Same temperature on the 15th, 19th, and 20th.
d Same temperature on the 30th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 13th.
g Observations taken at sunrise, 2 p. m., and 10 p. m.
h Same temperature on the 29th.
i Observations taken at 6 a. m., 1 p. m., and 10 p. m.
j Same temperature on the 13th and 14th.
k Same temperature on the 12th and 13th.
l Same temperature on the 11th and 12th.
m Same temperature on the 12th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Penn Yan (*a*)	54.13	70.07	60.33	61.51	30	90	30	77.67	12	40	12	49.33	7.5
Sag Harbor	63.20	75.57	62.67	67.15	30	94	30	85.00	13	54	13	60.33	5.1
Smithville	54.60	64.70	55.87	58.39	30	84	27	72.33	12	*b* 43	12	47.00	5.8
Spencertown	60.50	69.33	62.23	64.02	30	95	30	82.00	4	*c* 49	4, 12	51.33	5.0
Wampsville	61.00	73.52	59.72	64.75	29	94	29	84.00	4	45	12	52.33	7.0
NEW JERSEY—													
Bloomfield	62.57	74.83	64.00	67.13	30	97	30	83.33	13	51	13	57.83	4.9
Burlington	66.33	76 30	68.87	70.50	29	93	29	86.93	13	*d* 55	19	60.00	7.2
Lambertville	65.37	77.33	63.75	68.82	29	99¾	29	86.50	12	55	12	57.75	4.1
Newark (*e*)	-------	-------	-------	-------	----	------	----	85.38	----	-------	13	59.50	----
PENNSYLVANIA—													
Bedford	60.17	74.45	63.31	65.98	30	93	29	83.00	13	45	13	52.33	5.5
Easton	63.60	77.90	65.80	69.10	30	102	30	86.67	13	53	19	58.00	5.8
Gettysburg	63.20	74 40	65.03	67.54	29	*f* 94	29	86.00	4	52	4, 12	58.00	5.5
Harrisburg	66.73	77.11	70.79	71.54	30	97	29 30	89.33	4	57	4	62.00	5.0
Lima	66.18	75.16	64.86	68.73	30	92	30	86.20	12	51	4, 19	58.20	5.8
Meadville	58.87	70.31	60.63	63.27	29	99	29	81.00	4	43	3	48.66	6.4
Morrisville	63.03	75.07	64.03	67.38	30	92	30	81.33	12	54	12	60.00	4.3
Moss Grove	59.61	69.68	56.91	62.07	29	92	29	80.67	4	40	12	48.33	6.4
Norristown	62.79	73.74	66.13	67.55	29	92	30	83.60	5	54	19	57.03	5.4
Paradise	-------	-------	-------	72.00	----	------	----	-------	----	-------	----	-------	----
Philadelphia	67.70	76.60	71.30	71.87	29	94	30	88.67	12	58	19	60.00	6.6
Pittsburg, [O. S.]	61.50	68.67	60.63	63.60	29	91	30	82.67	12	43	12	47.67	----
Pittsburg, [M. H.] (*g*)	60.80	70.07	65.53	65.47	30	90	29	84.00	4	46	4	53.34	----
Pocopson	65.77	76.84	66.45	69.69	30	96	30	87.00	13	55	4	60.67	6.6
Pottsville	61.28	73.73	63.22	66.08	30	96	30	85.90	5	41	4	53.83	6.5
Randolph	59.63	70.63	58.07	62.78	30	93	29	84.33	11	*h* 43	12	48.00	6.2
West Haverford	62.67	76.97	-------	69.82	30	94	30	87.00	5	52	19	57.09	5.6
DELAWARE—													
Newark (*i*)	64.21	75.84	66.50	68.85	29	92	22	65.67	4	52	5	60.67	4.6
MARYLAND—													
Bladensburg (*i*)	66.36	79.72	64.82	70.30	30	98	24	79.00	12	55	18	52.67	6.1
Chestertown (*j*)	72.15	81.75	71.95	75.28	29	93	29	85.00	12	56	12	60.00	----
Frederick	68.32	76.88	67.17	70.79	30	95	29	89.00	18	56	4	61.07	5.6
Sykesville	65.50	75.23	65.60	68.78	29	91	29	87.67	4	*k* 55	18	56.67	5.2
DISTRICT OF COLUMBIA—													
Washington	66.43	77.42	69.78	71.21	30	95	29	86.67	4	55	4	59.00	5.3
VIRGINIA—													
Alexandria	67.45	77.33	68.33	71.04	29	94	29	87.33	4	55	4	58.33	5.5
Ashland	63.97	76.37	65.27	68.54	29	93	29	82.33	3	49	3	51.33	3.9
Crichton's Store (*l*)	71.55	81.88	80.24	77.89	30	99	30	91.67	4	56	4	63.34	4.6
Lewisburg	63.23	75.50	62.73	67.15	28	91	28	77.67	4	44	4	51.33	5.8
Smithfield	-------	-------	-------	73.74	30	93.5	29	85.75	3	50.5	13	60.50	----
Winchester	67.17	77.87	66.33	70.46	29	94	29	86.00	3	52	4	59.33	5.4
NORTH CAROLINA—													
Chapel Hill	68.13	83.30	70.90	74.11	30	99	30	86.67	4	53	4	59.67	5.2
SOUTH CAROLINA—													
All Saints	72.97	75.33	74.90	74.40	16	*m*83	23	80.00	4	61	4	64.00	3.9
Camden	72.03	82.96	71.87	75.62	18	92	30	83.67	3	60	4	64.67	5.0
Charleston	73.43	81.73	74.20	76.45	----	90	20	-------	----	60	4	-------	----
GEORGIA—													
Savannah	73.30	84.40	74.60	77.43	18	93	24	82.46	4	63	4	70.06	4.1
Sparta	65.83	85.47	71.40	74.23	6	*n* 92	30	81.67	4	50	3	60.67	4.5
The Rock (*o*)	-------	-------	-------	71.87	----	------	----	78.00	----	-------	----	61.00	----
Whitemarsh Island	74.20	81.87	74.50	76.86	18	*p* 88	24	81.67	4	66	4	69.00	3.7

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 18th.
c Same temperature on the 5th and 12th.
d Same temperature on the 14th.
e Observations taken at 7 a. m. and 6 p. m.
f Same temperature on the 30th.
g Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 64.97. Maximum 81, minimum 50.
h Same temperature on the 12th.
i Incomplete.
j For the last 22 days of the month only.
k Same temperature on the 14th and 18th.
l Observations taken at 7 a. m., noon, and 6 p. m.
m Same temperature on the 29th and 30th.
n Same temperature on the 16th, 17th, 19th, 28th, and 30th.
o Observations taken morning, 3 p. m., and evening.
p Same temperature on the 22d.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys (*a*)	78.50	84.63	79.13	80.75	22	*b* 86	23	83.33	15	71	15	77.00	3.4
Jacksonville	76.85	82.75	75.50	78.37	18	89	7	82.67	4	*c* 68	3,4	72.67	4.2
							18						
							21						
Key West	79.07	86.77	.....	82.92	8	93	8	86.50	3	*d* 77	4	78.00	5.3
Knox Hill	73.00	81.72	74.27	76.33	23	89	23	81.33	5	62	3	67.67	6.0
Warrington (*e*)	75.93	81.00	80.17	79.03	6	*f* 84	24	82.67	3	66	8	73.33	3.4
ALABAMA—													
Auburn	70.11	83.90	74.60	76.20	28	*g* 93	28	84.33	1	*h* 59	3	64.00	3.9
Greene Springs	75.24	89.43	75.82	80.16	15	98	27	86.35	3	60	3	66.33	2.4
MISSISSIPPI—													
Columbus	.....	.....	.....	75.41	?	89	.....	.....	?	56	.....	.....	.....
Oxford	70.73	79.43	70.97	73.71	17	87	17	81.00	2	58	7	63.00	3.9
							29						
LOUISIANA—													
New Orleans	73.57	84.10	77.84	78.50	22	*i* 89	27	80.83	3	65	3	72.50	4.1
							28						
TEXAS—													
Austin	72.17	85.57	76.67	78.14	13	*c* 92	29	83.33	7	*j* 63	7	69.00	4.8
New Wied	77.47	91.33	74.70	81.17	4	*k* 97	29	87.33	7	60	7	65.67	5.7
TENNESSEE—													
Friendship	66.33	83.00	68.14	72.49	18	*l* 93	21	80.00	4	52	4	56.00	3.4
Glenwood	64.25	76.86	68.02	69.71	16	89	29	79.97	4	49	4	55.57	4.8
Knoxville	66.22	77.47	68.25	70.65	29	89.5	28	80.33	4	54	3	58.67	4.6
KENTUCKY—													
Danville	71.19	79.85	69.31	73.45	29	92	29	83.00	5	58	5	60.00	3.2
Millersburg	65.73	74.50	68.70	69.64	29	88	29	82.67	2	*m* 48	3	54.67	4.5
Springdale	58.35	80.12	69.20	69.22	17	*l* 94	17	81.67	3	40	2	53.50	4.7
OHIO—													
Cincinnati (*n*)	61.83	76.33	67.97	68.71	29	90	29	82.00	3	44	2	51.67	5.0
Cleveland	63.57	68.38	61.70	64.55	29	92	30	84.53	3	46	2,4	52.00	6.4
Gallipolis	66.37	76.15	70.10	70.87	28	*o* 90	28	82.67	13	52	2,13	60.67	.....
							29						
Germantown	64.17	74.30	63.05	67.17	28	91	29	84.49	28	46	2	49 10	6.3
Granville	62.61	74.44	64.00	67 02	28	*p* 91	29	81.67	13	45	3	51.33	5.3
Hillsborough	61.43	72.20	62.72	65.45	28	88	29	79.83	3	45	3	52.33	5.1
Jackson, [Crookham]	66.83	77 20	64.17	69.40	29	96	28	84.00	3	48	3	53.00	6.5
Jackson, [Gilmor]	68.00	78.97	64.72	70.56	29	97	28	84.00	13	44	14	58.33	5.5
Oberlin	63.33	71.70	60.90	65.31	29	93	29	84.67	3	43	4	52.33	5.2
Perrysburg (*q*)	66.87	73.60	64.47	68.31	28	*o* 92	29	88.00	3	46	3	51.00	.....
Richmond	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.6
Savannah	62.50	72.00	60.47	64.99	30	97	29	86.00	13	43	3	47.00	6.3
Unionville	63.13	68.90	59.57	63.87	28	92	30	82.33	3	*r* 46	3	51.33	6.3
Urbana	62.86	75.37	62.60	66.94	28	*p* 94	29	83.67	2	*m* 44	2	48.33	5.9
Zanesville	60.60	74.67	63.37	66.21	29	98	29	82.67	4	*s* 45	3	48.00	5.8
MICHIGAN—													
Ann Arbor, [Woodruff]	58.07	70.06	61.07	63.07	28	91	28	81.33	4	40	3	44.67	5.6
Ann Arbor, [Winchell]	59.99	68.46	67.83	65.43	28	90	29	81.03	3	39	3	44.07	5.5
Battle Creek	59.70	78.83	59.90	66.14	29	95	29	86.00	2	41	3	48.33	4.3
Cooper	61.72	69.93	58.90	63.52	28	90	29	82.67	4	46	4	51.33	4.6
Detroit	64.37	69.67	60.17	64.74	28	92	28	83.33	3	44	3	46.00	7.8
							29						
Flint	59.50	72.40	58.00	63.30	29	93	29	83.67	3	42	.....	.....	.....
Grand Rapids	56.07	70.07	59.40	61.85	28	89	29	81.33	3	40	2	42.00	4.8
Monroe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
St. James	57.27	67.56	52.28	59.04	30	90	30	82.33	2	36	2	40.33	4.8
Saugatuck	63.26	70.33	60.43	64.67	28	92	29	83.33	3	42	2	47.00	5.1

a For the last 16 days of the month only.
b Same temperature on the 23d, 25th, and 30th.
c Same temperature on the 14th.
d Same temperature on the 4th and 5th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 12th, 17th, 18th, 19th, 21st, 23d, 24th, 25th, and 27th.
g Same temperature on the 30th.
h Same temperature on the 4th.
i Same temperature on the 23d and 28th.
j Same temperature on the 8th.
k Same temperature on the 25th.
l Same temperature on the 28th.
m Same temperature on the 3d.
n Observations taken at 6 a. m., 1 p. m., and 9 p m.
o Same temperature on the 29th and 30th.
p Same temperature on the 29th.
q Observations taken at 7 a. m., 1 p. m , and 9 p. m.
r Same temperature on the 11th.
s Same temperature on the 13th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Madison	61.91	72.45	65.25	66.54	29	88	29	79.33	3	46	2	50.67	5.7
Milton	62.85	74.05	63.57	66.82	29	90.5	29	82.67	2	44	2	46.17	4.3
New Harmony	70.13	78.73	68.60	72.49	27	*a* 93	29	85.67	2	54	2	56.33	4.3
ILLINOIS—													
Athens	65.30	78.53	66.00	69.94	28	94	28	84.67	3	43	2	52.33	3.4
Augusta	63.60	76.57	67.83	69.33	16	*b* 90	28	82.67	2	49	1, 3	54.33	3.4
Manchester (*c*)	66.18	78.02	66.00	70.07	28	93	28	85.83	2	47	2	51.50	4.6
Ottawa	66.67	75.13	66.63	69.48	16	94	29	88.33	1	44	2	50.67	5.3
Upper Alton	67.20	76.79	67.10	70.36	17	92	17	82.67	3	50	2	55.33	2.9
MISSOURI—							27						
St Louis	67.68	78.50	68.78	71.65	17	*d* 95	28	85.83	2	52	2	55.50	4.2
WISCONSIN—													
Beloit	61.93	72.20	61.43	65.19	28	92	28	80.33	3	41	3	48.33	3.4
Janesville	60.67	74.03	60.87	65.19	28	88	28	81.33	2	40	2	44.00	4.8
					29		29						
Milwaukee, [Winkler]	57.30	66.90	54.93	59.71	28	90	29	81.00	1	37	2	42.67	4.6
Platteville	60.00	80.00	62.00	67.33	....	96	....	.....	....	44	....	.....	4.3
Superior	59.74	64.11	59.63	61.16	29	87	29	75.33	5	40	11	47.33	4.1
IOWA—													
Dubuque	63.41	75.66	65.07	68.05	28	*e* 91	28	83.33	4	45	3	53.00	4.5
							29						
Fairfield	.....	.....	.....	69	....	93	....	.....	....	45	....	.....	....
Fort Madison(*f*)	66.83	78.57	71.23	72.21	16	95	28	88.00	2	48	1	55.67	3.4
Muscatine	63.34	75.63	64.03	67.67	16	91	16	84.33	4	35	2	50.33	3.1
Pella	60 50	79.17	62.23	67.30	27	96	27	79.67	1	*g* 48	1	51.33	....
Poultney	63.17	77.57	60.53	67.09	29	94	28	82.67	3	40	2	46.33	5.9
Quasqueton	61.55	78.24	63.24	67.68	16	92	16	88 36	2	44	2	50.26	4.5
MEXICO—													
Mirador (*h*)	.....	.....	.....	70.36	....	.....	....	73.24	....	.....	....	66.87	....
MINNESOTA—													
Lac qui Parle	62.17	74.84	63.07	66.69	26	*d* 92	26	83.00	1	41	1	46.00	....
EASTERN CONTINENT—							28						
Mosul, Mesopotamia	.....	.....	.....	89.72	....	106	....	.....	....	74	....	.....	....
WESTERN AFRICA—													
Nèngenènge	76.30	81.20	79.60	79.03	*i* 8	85	10	82.00	2	72	26	76.33	....

a Same temperature on the 28th and 29th.
b Same temperature on the 17th and 28th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Same temperature on the 28th.
e Same temperature on the 29th.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Same temperature on the 2d and 3d.
h Hours of observations not given.
i Same temperature on the 10th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Red River Settlement	66.68	73.00	67.58	69.09	24	92 *a*	24	78.33	2	56 *b*	7	62.00	4.2
St Martin	67.51	81.29	67.57	72.12	1	92	1	82.00	8	52	7	59.80	4.0
Toronto	.....	.....	.....	67.95	....	92.8	19	79.45	....	49.2	....	.....	5.9
MAINE—													
Carmel	65.33	83.92	61.73	70.33	1	96	2	80.00	21	46	8	59.00	5.5
Fryeburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.2
Gardiner	69.90	78.77	69.29	72.65	19	93	19	80.33	8	57	8	61.33	6.7
Oldtown (*c*)	63.00	77.00	65.20	68.40	18	84	18	75.67	22	51	22	60.00	1.3
Perry	56.68	68.84	61.10	62.21	19	82	19	71.33	2	50 *d*	9	59.00	5.0
Steuben	64.35	71.74	62.48	66.19	19	84	19	76.00	9	53	7	64.67	6.4
NEW HAMPSHIRE—													
Concord	68.80	78.90	68.93	72.21	1	93	1	84.33	9	58	22	63.67	4.3
Exeter	64.35	75.58	65.68	68.54	17	90 *e*	17	79.67	22	56	22	60.33	5.0
Manchester	69.25	82.79	71.77	74.60	26	96	1	87.00	22	58	21	64.33	5.7
VERMONT—													
Brandon	67.01	77.10	68.00	70.70	1	89 *e*	1	82.34	8	53	8	59.83	5.2
Burlington	69.03	79.87	68.49	72.46	17	92	1	82.33	6	57	8	64.67	2.6
Craftsbury	62.74	73.39	64.54	66.89	16	82 *f*	17	74.00	9	52	8, 21	58.00	5.5
Montpelier (*g*)	59.10	76.00	65.60	66.90	17	86	....	.....	....	.....	....	.....	....
					19								
St. Johnsbury	69.00	76.66	67.13	70.93	19	88	2	73.67	8	55	8	62.00	2.9
MASSACHUSETTS—													
Amherst	67.39	78.08	68.20	71.22	19	92	1	81.67	21	57	22	58.33	5.8
Boston (*h*)	67.87	79.89	71.13	72.96	2	90 *e*	19	86.67	10	56	22	63.67	3.0
Mendon	70.16	77.68	69.71	72.52	19	92	1	87.00	10	55	21	63.00	6.3
Nantucket	69.40	75.18	66.47	70.35	18	86	18	78.33	10	58	21	61.33	5.6
New Bedford	69.08	75.07	67.74	70.63	1	89	19	80.17	8	59	21	62.67	5.9
Newburyport	68.12	78.55	67.21	70.96	19	95	17	82.90	9	59	21	62.20	6.8
North Attleboro'	69.19	79.97	66.74	71.97	19	93	19	84.33	9	56	21	60.00	5.4
Princeton	65.76	74.50	69.02	69.76	2	91	1	79.00	21	55	21	57.33	6.4
Richmond	64.29	80.94	70.45	71.89	17	94	17	84.00	21	52	21	58.67	5.9
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.3
Springfield	70.00	79.45	72.68	74.04	19	93	1	84.33	9	56 *i*	21	61.67	5.1
Westfield	64.96	77.25	68.28	70.16	19	93	19	82.00	9	52	21	59.67	....
Williamstown (*j*)	65.86	76.49	67.81	70.05	18	86	25	74.00	9	54	21	60.00	6.7
Worcester	69.68	77.21	69.97	72.29	1	91.5	1	85.00	21	56	21	60.00	4.3
RHODE ISLAND—													
Providence (*k*)	69.4	80.4	69.0	72.93	19	95	19	84.67	8	60	21	63.33	5.6
CONNECTICUT—													
New London	69.71	78.48	69.19	72.46	19	89	19	81.00	21	60	21	63.33	6.2
Pomfret	67.73	75.87	67.41	70.34	19	88	19	82.00	8	57 *i*	6	69.67	6.2
Saybrook	69.35	79.16	69.68	72.73	27	88 *l*	18	78.67	8	62 *m*	21	62.33	5.7
NEW YORK—							19						
Angelica	66.19	78.97	65.58	70.25	18	92	19	81.00	8	48	8	56.00	....
Baldwinsville	65.45	73 97	68.52	69.31	1	87	19	79.33	9	54	7, 21	59.00	5.5
Beverly	69.90	77.13	71.20	72.74	19	88	1	80.67	8	60	21	61.67	5.9
Canton (*c*)	68 04	79.04	70.26	72.45	1	91	1	80.33	8	57	7	62.00	5.1
Fishkill	71.64	81.96	79.96	77.85	....	94	....	.....	....	59	....	.....	....
Flushing	.....	.....	.....	76.45	....	96	....	.....	....	60	....	.....	....
Gouverneur	70.52	79.97	67.26	72.58	1	90 *n*	1	83.33	21	50	21	60.00	6.8
Lodi	69.03	76.61	69.19	71.61	19	90	19	83.33	7	57	7	62.33	6.1
Lowville	60.58	78.35	65.37	68.10	1	90 *o*	1	75.75	8	44	7	54.25	5.6
New York city	73.17	79.32	72.94	75.14	19	93	19	87.40	21	59	21	60.40	6.5
Oswego	65.84	75.10	68.55	69.83	19	91	19	81.33	7	56	7	58.33	....
Penn Yan (*p*)	61.74	76.90	68.90	69.18	19	90 *q*	19	81.33	8	48	21	59.00	6.4

a Same temperature on the 25th.
b Same temperature on the 13th.
c Incomplete.
d Same temperature on the 9th, 16th, and 30th.
e Same temperature on the 19th.
f Same temperature on the 17th and 18th.
g Observations taken at sunrise, noon, and sunset.
h Observations taken at sunrise, 2 p. m., and 10 p. m.
i Same temperature on the 21st.
j Observations taken at 6½ a. m., 2 p. m., and 9 p. m.
k Observations taken at 6 a. m., 1 p. m., and 10 p. m.
l Same temperature on the 30th.
m Same temperature on the 9th and 21st.
n Same temperature on the 15th and 17th.
o Same temperature on the 17th.
p Observations taken at sunrise, 2 p. m., and sunset.
q Same temperature on the 16th and 18th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Sag Harbor	70.58	82.00	69.94	74.17	19	96	19	85.00	9	58	9	66.33	6.1
Smithville	65.58	77.68	66.29	69.85	1	94	17	79.33	7	52	7	59.67	4.8
Spencertown	67.90	76.42	69.19	71.17	1	92	1	84.67	21	56	21	59.33	4.7
Wampsville	67.81	81.29	67.74	72.28	1	92	19	81.00	9	54	8	61.00	6.2
NEW JERSEY—													
Bloomfield	71.60	82.47	71.56	75.21	19	96	19	86.59	9	59	21	63.66	5.9
Burlington	72.81	82.65	74.71	76.72	19	94	19	87.33	22	58	22	63.67	7.1
Lambertville	73.43	88.74	71.95	78.04	30	97.5	19	87.67	9	50.5	21	61.08	4.6
Newark (*a*)	------	------	------	74.75	----	94.25	19	85.62	----	54.75	21	60.75	----
PENNSYLVANIA—													
Bedford	69.77	84.12	72.02	75.30	17	92	19	82.33	9	58	7	65.67	5.8
Easton	70.77	85.87	74.52	77.05	19	96	19	85.33	22	56	21	62.00	5.0
Gettysburg	70.89	82.45	82.26	78.53	19	94	19	84.33	22	58	22	61.33	5.2
Harrisburg	74.74	84.07	78.35	79.05	17	95 *b*	18	89.00	22	59	22	64.00	4.5
							19						
Lima	74.09	82.35	72.54	76.33	19	93	19	84.00	22	58	22	62.23	5.5
Morrisville	70.00	81.48	71.00	74.16	19	94	19	83.67	22	57	7	64.67	4.1
Moss Grove	68.50	79 31	65.71	71.17	17	90	18	81.33	7	54	21	60.67	5.7
Norristown	72.80	81.53	72.86	75.73	19	91	19	83.67	9	60	21	62.00	6.0
Paradise	------	------	------	80.00	----	------	----	------	----	------	----	------	----
Philadelphia	76.60	83.70	78 90	79.73	19	95	19	88.00	12	60	22	64.17	6.0
Pittsburg, [Oakland Station]	69.97	79.39	70.74	73.37	19	91	17	80.00	7	60	7	66.00	----
							19						
Pittsburg, [Marine Hosp.] (*c*)	69.26	78.58	75.65	74.11	19	90	19	82.00	8	55	8	65.75	----
Pocopson	74.45	85.52	74.47	78.15	19	98	19	86.00	22	61	22	64.33	5.8
Pottsville	73.23	84.15	69.15	75.51	17	98	17	88.00	8	52	21	60.90	5.9
West Haverford	70.06	85.09	------	77.57	30	95	20	85.50	22	56	22	60.00	5.1
MARYLAND—													
Bladensburg (*d*)	68.33	86.23	72.70	75.75	19	102	19	86.17	8	62	8	67.00	4.0
Chestertown	75.91	83.82	73.90	77.88	20	93	18	87.33	8	61	22	64.67	5.6
Frederick	75.50	84.86	75.02	78.46	18	*e*93.5	18	87.33	22	59	22	63.00	4.7
Sykesville	73.45	81.94	72.74	76.04	20	91	20	85.67	22	59	21	64.67	4.4
DISTRICT OF COLUMBIA—													
Washington	74.47	85.47	76.98	78.97	19	95	19	86.33	7	65 *f*	7	67.67	4.4
VIRGINIA—													
Alexandria	73.98	83.92	75.55	77.82	19	95	19	86.33	7	62	7	64.33	4.6
Ashland	71.42	84.32	72.81	76.18	17	93	19	83.67	8	58	8	65.33	4.1
Crichton's Store (*g*)	78.67	90.15	84.85	84.56	20	99	18	90.33	7	68	7	71.33	4.4
Lewisburg	70.35	82.71	70.81	74.62	27	91	19	79.00	8	60	8	65.33	6.8
Smithfield	------	------	------	79.55	20	96	19	84.25	7	65	8	69.25	----
NORTH CAROLINA—													
Chapel Hill	74.77	89.84	76.00	80.20	20	99	19	86.67	7	67	7	71.33	5.3
SOUTH CAROLINA—													
All Saints	78.68	82.84	79.19	80.24	27	89	27	83.33	8	73	8	76.00	3.4
Camden	77.84	88.10	78.71	81.55	28	94	20	85.33	6	71	5	75.00	5.6
							29						
Charleston	77.38	87.58	80.35	81.77	----	92	30	------	----	73	5	------	----
GEORGIA—													
Savannah	77.30	89.50	79.40	82.07	28	94	13	84.33	12	73	5	76.00	3.8
Sparta	71.45	88.58	75.71	78.58	1	96 *h*	22	83.00	8	68	3	70.67	6.0
The Rock (*i*)	------	------	------	76.20	----	------	----	80.00	----	------	----	72.00	----
Whitemarsh Island	80.16	86.32	79.32	81.93	11	90 *j*	22	84.33	4	74	5	77.33	3.3
FLORIDA—													
Cedar Keys	76.71	83.90	79.00	80.54	16	91	13	83.33	5	76	4	76.33	4.8
							14						
							16						
Jacksonville	80.19	85.10	78.68	81.32	13	91	12	84.67	5	74	5	75.67	3.7

a Observations taken at 7 a. m and 6 p. m.
b Same temperature on the 19th.
c Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p.m. Mean at 9 a m., 72. 94.
d Incomplete.
e Same temperature on the 20th.
f Same temperature on the 9th.
g Observations taken at 7 a. m., noon, and 9 p. m.
h Same temperature on the 14th.
i Observations taken morning, 3 p. m., and evening.
j Same temperature on the 28th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Key West	78.71	84.06	-------	81.38	3	*a* 88	13	84.50	21	72	21	73.50	5.8
Knox Hill	76.07	83.54	75.37	78.33	8	*b* 88	16	81.33	6	*c* 71	2	73.00	6.5
Warrington (*d*)	77.45	82.74	82.00	80.73	10	88	17	83.67	7	72	24	77.00	4.5
ALABAMA—											27		
Greene Springs (*e*)	78.90	91.89	80.46	83.75	22	98	11	86.00	4	74	6	78.33	3.4
MISSISSIPPI—													
Columbus	-------	-------	-------	80.82	?	92	----	--------	?	73	----	---------	----
Oxford	74.84	86.06	76.81	79.24	12	*f* 91	17	84.00	2	66	6	71.00	3.1
LOUISIANA—													
New Orleans	75.97	82.97	78.31	79.08	12	90	12	83.67	1	*g* 74	27	76.00	4.3
TEXAS—													
Austin	72.74	88.77	78.83	80.11	23	94	31	83.00	4	*h* 68	16	74.00	4.8
New Wied	78.45	94.52	77.94	83.64	5	*i* 99	7	87.67	1	*j* 72	16	77.33	5.9
TENNESSEE—													
Friendship	71.48	89.16	73.87	78.17	17	94	17	82.67	2	63	5	71.00	3.5
Glenwood	71.96	83.44	75 06	76.82	17	*k* 90	17	82.33	7	*g* 64	6	68.03	3.7
KENTUCKY—													
Danville	76.52	85.03	75.03	78.86	18	94	17	85.00	6	68	6	69 33	3.0
							18						
Springdale	67.18	87.76	76.94	77.29	17	97	17	83.33	5	55	6	68.00	4.4
OHIO—													
Arcola	70.68	76.61	69.22	72.17	19	90	19	82.00	7	56	21	62.00	5.5
Cincinnati (*l*)	71.52	86.52	76.74	78.26	19	95	19	85.67	8	64	6	69.00	3.7
Cleveland	70.90	78.03	70.29	73.07	17	91	19	84.67	5	59	21	64.67	5.7
Gallipolis	74.68	83.71	76.65	78.35	20	94	18	84.33	8	64	8	70.33	----
Germantown	71.94	82.22	71.44	75.20	19	93.4	19	84.58	4	61	6	67.32	5.3
Granville	70.43	80.71	70.36	73.83	17	*m* 91	18	87.67	7	56	9	66.67	5.7
Hillsborough	69.58	80.98	71.13	73.90	18	*m* 90	18	81.00	8	59	6	65.00	3.1
Jackson, [Crookham]	75.13	83 97	71.03	76.71	14	*n* 94	20	82.00	5	60	8	64.33	6.1
Jackson, [Gilmor]	75.16	86.81	73.58	78.52	18	*o* 96	18	86.00	7	62	6, 9	70.00	4.9
Oberlin	71.90	82.20	68.80	74.30	17	94	19	82.67	8	.58	21	63.67	3.9
Perrysburg (*p*)	76.10	81.19	73.03	76.77	16	*q* 94	17	87.33	20	60	21	65.33	----
Richmond	-------	-------	-------	-------	----	-------	----	--------	----	--------	---	---------	5.1
Savannah	72.26	83.42	69.39	75.02	14	95	16	85.67	8	57	21	64.33	5.4
Urbana	71.33	83.13	70.87	75.11	18	*m* 95	19	84.67	5	*c* 62	6	66.33	5.5
Zanesville	69.19	84.35	71.42	74.99	17	*m* 95	19	82.67	7	*g* 58	9	65.33	5.7
MICHIGAN—													
Ann Arbor, [Woodruff]	64.66	78.78	69.13	70.86	16	91	16	82.00	7	57	7	64.00	5.3
Ann Arbor, [Winchell]	68.25	77.03	66.44	70.57	16	90.5	16	81.40	2	57	20	61.60	5.1
Battle Creek	70.84	81.45	68.55	73.61	16	96	16	87.33	21	56	21	63.67	3.9
Cooper	70.87	76.06	67.97	71.63	16	90	19	80.00	4	56	20	61.33	4.0
Detroit	70.65	79 32	69.26	73.08	16	91	16	84.33	7	*r* 60	20	62.67	5.0
Flint	68.80	81.10	67.30	72.40	----	92	----	--------	----	55	----	---------	----
Grand Rapids	66.16	78.13	68.10	70.80	16	93	16	84.67	20	51	20	58.67	4.4
Monroe	-------	-------	-------	-------	----	-------	--	--------	----	--------	----	---------	6.2
St. James	67.88	72.80	62.37	67.68	16	89	16	78.67	6	50	3	56.00	4.6
Saugatuck	71.00	81.13	69.64	73.92	16	*k* 93	16	87.00	4	59	2, 4	65.00	4.6
INDIANA—													
Milton	71.77	82.76	72.71	75.75	18	94	18	85.33	7	63	21	68.50	3.8
New Harmony	77.06	85.42	76.42	79.63	19	95	19	87.67	2	*s* 69	6	71.67	5.0
ILLINOIS—													
Athens	75.41	86.09	75.41	78.97	19	101	18	89.33	21	65	21	70.00	4.6
Augusta	69.90	83.58	73.38	75 62	19	95	16	83.67	4	62	21	67.67	3.9

a Same temperature on the 13th.
b Same temperature on the 10th, 12th, and 19th.
c Same temperature on the 7th.
d Observations taken at sunrise, noon, and sunset.
e Observations omitted from the 14th to the 27th of the month.
f Same temperature on the 13th, 14th, and 31st.
g Same temperature on the 8th.
h Same temperature on the 10th.
i Same temperature on the 6th, 7th, 11th, and 21st.
Same temperature on the 2d.
k Same temperature on the 18th.
l Observations taken at 6 a. m., 1 p. m., and 9 p. m.
m Same temperature on the 19th.
n Same temperature on the 15th and 17th.
o Same temperature on the 23d.
p Observations taken at 7 a. m , 1 p. m., and 9 p. m.
q Same temperature on the 17th.
r Same temperature on the 20th and 21st.
s Same temperature on the 4th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Manchester (*a*)	71.75	85.40	72.35	76.50	18	96	16	83.67	1	62	21	68.67	4.6
Ottawa (*b*)	71.38	82.41	70.38	74.72	18	*c* 95	18	86.33	20	58	20	62.67	4.5
Upper Alton	72.22	84.36	70.55	75.71	19	93	18	83.00	2	60	1	70.00	3.0
MISSOURI—													
St. Louis	74.76	87.00	77.10	79.65	16	*c* 96	16	86.67	2	69	1	74.00	4.3
WISCONSIN—													
Beloit	66.58	81.93	68.31	72.27	18	98	18	87.00	2	54	20	60.90	2.9
Janesville	67.35	82.35	67.97	72.56	16	92	18	83.33	20	56	20	59.33	4.7
									21				
Milwaukee, [Winkler]	65.19	75.68	62.19	67.69	18	94	18	84.00	4	53	20	55.33	4.6
Platteville	69.80	84.97	72.93	75.90	18	*c* 96	18	88.67	2	56	1	63.67	4.4
Superior	65.19	72.52	64.68	67.46	23	*d* 88	27	80.00	6	50	6	53.00	3.0
IOWA—													
Dubuque	66.73	81.27	71.69	73.23	17	95	17	86.33	20	*e* 58	20	60.00	4.5
Fairfield	------	------	------	75	----	99	----	------	----	59	----	------	----
Fort Madison (*f*)	75.10	87.03	75.65	79.26	19	102	18	91.33	20	62	20	64.00	4.0
Muscatine	68.42	81.87	68.87	73.05	15	*g* 95	17	84.67	2	55	20	62.33	3.3
Pella	67.06	84.74	69.22	73.67	17	*h* 98	17	89.00	1	59	20	63.33	----
Poultney	68.58	83.69	65.61	72.63	12	100	16	85.67	4	53	1	58.33	5.1
Quasqueton	67.18	83.91	68.91	73.33	17	96	16	85.00	1	56	20	62.00	4.7
MINNESOTA—													
Lac qui Parle	65.56	76.50	68.54	70.20	17	91	16	81.33	1	58	1	61.33	3.2
MEXICO—													
Mirador (*i*)	------	------	------	69.39	----	------	----	72.50	----	------	---	67 23	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	------	------	------	94.32	----	110	----	------	----	75	----	------	----
WESTERN AFRICA—													
Nèngenènge	73.35	78.77	77.06	76.39	8	84	8	78.67	4	70	17	73.33	----

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Observations not always taken at the usual hours.
c Same temperature on the 19th.
d Same temperature on the 24th.
e Same temperature on the 21st.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Same temperature on the 17th, 18th, and 19th.
h Same temperature on the 18th.
i Hours of observations not given.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date	Mean temp.	
	○	○	○	○		○		○		○		○	
BRITISH AMERICA—													
Montreal (*a*)	66.00	74.25	67.00	69.08	----	80	----	-------	----	57	----	-------	----
Red River Settlement	58.90	69.26	61.65	63.27	5	86	5	76.33	28	*b* 44	15	51.33	4.7
St. Martin	57.84	76.38	60.80	65.01	2	93	3	79.00	28	36	30	48.00	3.1
Toronto	-------	-------	-------	64.06	----	83.5	----	-------	----	40	----	-------	4.4
MAINE—													
Carmel (*c*)	56.20	75.33	55.00	62.18	2	89	3	73.00	31	40	31	49.00	2.4
Fryeburg	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	3.1
Gardiner	61.45	73.31	62.14	65.63	4	86	4	75.00	8	50	31	56.33	4.2
Oldtown	57.50	71.92	58.19	62.54	6	*d* 78	24	70.33	31	45	31	53.67	1.6
Perry	52.84	64.39	57.80	58.34	1	*e* 74	24	66.67	28	38	28	47.67	4.1
Steuben	60.77	69.03	59.48	63.09	1	79	24	70.00	31	45	31	52.67	4.9
NEW HAMPSHIRE—													
Concord	62.63	71.66	64.43	66.24	4	85	4	75.00	31	46	31	54.67	2.5
Exeter	56.77	71.68	60.22	62.89	4	82	4, 23	70.33	29	41	28	51.33	3.3
Londonderry	63.48	75.68	64.68	67.95	22	85	16	74.67	28	44	31	51.67	3.1
							22						
Manchester (*c*)	58.54	76.80	66.04	67.13	16	87	17	76.33	31	34	31	52.33	4.4
Stratford	50.53	70.87	60.06	60.49	----	86	16	72.33	----	33	30	47.33	----
VERMONT—													
Brandon	60.71	72.52	62.81	65.35	2	84	3	75.00	31	44	27	52.00	3.4
Burlington	61.58	74.94	63.84	66.79	1	90	1	77.00	31	46	27	53.33	2.3
Craftsbury	55.52	65.85	59.16	60.18	2	82	2, 3	72.00	28	40	30	49.00	3.9
											31		
Montpelier (*f*)	51.70	70.50	61.90	61.37	----	-------	----	-------	----	-------	----	-------	----
MASSACHUSETTS—													
Amherst	61.16	72.91	63.19	65.75	4	84	17	74.07	31	45	31	53.57	4.2
Meudon	62.03	75.00	63.84	66.96	24	84	16	75.67	30	46	30	55.33	4.1
							17						
Nantucket	67.70	73.21	65.01	68.64	24	80.5	16	75.50	31	56	31	60.67	3.1
New Bedford	63.52	72.13	63.36	66.34	17	82.8	17	75.80	31	49	31	55.17	5.7
Newburyport	61.36	74.40	63.52	66.43	4	86	23	76.70	31	49	28	56.40	6.0
North Attleboro'	61.29	72.44	59.22	64.32	4	83	4	71.57	31	44	31	51.40	3.5
Princeton	59.84	70.27	60.53	63.55	4	79	16	72.50	31	45	31	54.17	4.8
Richmond	58.29	77.00	65.84	67.04	3	88	3	77.00	30	38	30	48.33	4.9
Southwick	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4.1
Springfield	62.90	76.58	67.19	68.89	4	85	1	77.33	31	49	27	57.00	3.4
Williamstown (*g*)	58.99	72.47	62.09	64.52	4	82	16	76.23	31	40	31	51.83	4.4
Worcester	61.19	73.68	63.65	66.17	4	83	16	75.00	31	50	28	54.00	2.7
Westfield	57.18	74.29	63.50	64.99	9	84	16	73.67	31	45	31	54.00	----
RHODE ISLAND—													
Providence (*h*)	63.1	76.9	63.7	67.90	17	91	17	77.33	28	48	28	55.33	3.6
CONNECTICUT—													
New London	64.84	76.29	65.84	68.99	15	85	16	77.33	29	*i* 52	31	58.00	4.4
Pomfret	61.93	71.48	61.74	65.05	16	79	17	73.67	31	49	31	53.33	4.4
Saybrook (*j*)	64.47	74.53	65.64	68.21	22	83	24	75.00	29	54	27	61.00	3.6
NEW YORK—													
Angelica (*c*)	60.68	73.80	60.76	65.08	16	84	16	73.33	20	43	30	55.33	3.0
Baldwinsville	60.74	71.39	64.92	65.68	1	*k* 80	3	73.67	31	46	30	54.33	4.0
Beverly	65.16	73.41	66.32	68.30	1	*l* 80	1, 16	75.67	31	51	31	58.00	4.4
Canton	61.74	76.19	63.77	67.23	2	93	2	80.67	30	46	30	52.00	4.3
Fishkill	65.70	79.23	76.00	73.64	----	88	----	-------	----	54	----	-------	----
Flushing	-------	-------	-------	70.44	4	86	----	-------	19	51	----	-------	----
Gouverneur	62.42	77.35	64.39	68.05	3	90	3	81.33	19	*m* 46	19	58.00	3.8
Lodi	62.58	73.22	63.06	66.29	3	81	3	74.33	30	45	30	52.67	5.0
Madrid	66.85	72.77	62.92	67.51	2	85	3	78.00	27	44	27	50.83	4.6
New York city	69.54	75.54	68.82	71.30	9	84	16	78.60	31	57	28	61.56	4.7

a For eight days only.
b Same temperature on the 29th.
c Incomplete.
d Same temperature on the 22d and 24th.
e Same temperature on the 24th.
f Observations taken at sunrise, noon, and sunset.
g Observations taken at 6½ a. m., 2 p. m., and 9 p. m.
h Observations taken at 6 a. m., 1 p. m., and 10 p. m. Incomplete.
i Same temperature on the 31st.
j For the last fourteen days of the month only.
k Same temperature on the 2d and 3d.
l Same temperature on the 4th.
m Same temperature on the 28th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Oswego	62.39	74.64	65.45	67.49	21	84	16	75.67	31	48	30	58.67	....
Penn Yan (*a*)	56.35	73.77	66.33	65.48	3	84	3	73.67	31	44	30	56.00	5.7
Sag Harbor	65.64	80.29	65.40	70.44	24	89	9	77.67	28	*b* 53	31	60.00	4.1
Smithville	60.13	75.45	62.84	66.14	2	*c* 86	2	76.33	31	42	27	54.67	3.8
											30		
Spencertown	62.32	72.01	63.06	65.80	4	*d* 82	5	74.33	31	42	31	48.67	3.6
Wampsville	62.10	78.00	62.90	67.67	2	86	2	76.67	31	44	30	55.33	4.5
NEW JERSEY—													
Bloomfield	65.16	77.53	65.76	69.48	1	86	9	78.33	31	51	31	57.00	3.7
Burlington	67.32	77.80	69.68	71.60	4	85	16	80.67	19	*e* 55	18	62.67	6.8
											19		
Lambertville	69.94	82.10	65.71	72.58	26	90	9	79.17	19	43.5	19	60.33	5.5
Newark (*f*)	.....	.....	.....	69.44	....	84.5	17	77.38	....	49	19	61.00	....
PENNSYLVANIA—													
Bedford	66.26	80.23	69.11	71.87	4	89	3	78.00	21	52	18	61.67	4.8
Easton	64.74	80.48	65.39	70.20	4	90	4	81.67	20	50	8	61.00	4.9
Gettysburg	65.48	77.35	68.84	70.56	1	88	26	77.67	20	53	19	60.33	5.3
Harrisburg	70.35	79.27	75.54	75.05	1	*g* 88	26	81.33	19	58	31	66.67	5.2
Lima	67.40	77.10	67.02	70.51	16	84	16	77.20	19	54	19	60.70	5.5
Meadville (*h*)	61.17	75.29	66.20	67.55	7	*i* 82	8	74.33	19	47	18	57.67	4.4
Morrisville	65.00	77.74	66.35	69.70	16	86	16	76.67	31	54	19	62.00	3.7
											28		
											31		
Moss Grove	64.87	77.62	62.66	68.38	2	88	3	76.67	18	50	10	62.67	4.8
Norristown	66.48	76.05	68.28	70.27	4	*j* 83	16	77.60	20	53	20	61.67	4.9
Paradise	.....	.....	.....	76.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	72.20	78.80	74.10	75.03	17	84	16	80.80	31	61	19	67.67	5.8
											31		
Pittsburg, [M. H.] (*k*)	65.84	76.58	72.81	71.28	16	84	4	77.75	19	53	18	60.50	....
Pittsburg, [O. S.]	65.84	76.74	67.81	70.13	2	84	4	76.67	19	51	18	58.67	....
Pocopson	69.40	80.80	69.27	73.16	4	90	16	79.83	19	57	18	63.67	5.7
Pottsville	66.06	78.79	64.80	69.88	4	91	13	77.17	31	53	19	60.17	5.3
West Haverford	65.03	78.96	.....	71.99	24	88	16	80.00	19	52	18	64.50	5.3
											31		
MARYLAND—													
Bladensburg (*h*)	68.45	83.42	68.24	73.37	13	92.5	16	81.33	19	*l* 55	19	60.67	5.0
Chestertown	69.90	78.77	69.26	72.64	26	83	16	79.67	19	58	19	62.67	4.7
Frederick	68.39	79.72	69.88	72.66	1	89	16	79.27	20	55	19	62.17	5.9
Sykesville	68.16	77.93	68.74	71.61	26	88	16	80.00	20	55	28	62.67	4.5
DISTRICT OF COLUMBIA—													
Washington	70.56	81.22	72.98	74.92	26	92	26	82.00	19	58	19	65.67	5.5
VIRGINIA—											28		
Alexandria	70.10	80.16	71.13	73.80	13	87	16	80.00	19	*m* 58	19	63.00	5.6
Ashland	68.35	80.93	70.19	73.16	4	90	4	80.33	19	54	18	59.33	4.1
Crichton's Store (*n*)	73.28	84.37	80.78	79.48	13	*o* 94	9	86.33	19	*l* 61	28	69.33	5.6
Lewisburg	69.13	80.20	69.48	72.94	12	86	23	78.00	20	52	19	60.67	4.5
											20		
Smithfield	.....	.....	.....	76.92	17	92	16	83.00	18	60	18	65.00	....
NORTH CAROLINA—							26						
Chapel Hill	71 77	84.10	74.16	76.68	17	98	13	83.67	20	61	18	62.67	5.6
SOUTH CAROLINA—													
All Saints	77.61	83.53	79.06	80.07	9	92	11	85.33	20	68	19	67.67	4.7
											20		
Camden	75.81	86.81	76.90	79.84	16	94	14	85.33	19	64	18	66.67	6.2
							16						
Charleston	77.35	88.38	80.54	82.09	...	95	16	.....	....	68	20	.....	....

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 31st.
c Same temperature on the 3d.
d Same temperature on the 16th.
e Same temperature on the 20th, 29th, and 31st.
f Observations taken at 7 a. m., and 6 p. m.
g Same temperature on the 8th.
h Incomplete.
i Same temperature on the 8th.
j Same temperature on the 23d.
k Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.; mean at 9 a. m., 69.90.
l Same temperature on the 20th.
m Same temperature on the 20th and 21st.
n Observations taken at 7 a. m., noon, and 6 p. m.
o Same temperature on the 17th

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—	°	°	°	°		°		°		°		°	
Savannah	77.10	88.70	79.50	81.77	11	97	11	87.17	20	68	20	70.43	5.1
Sparta	71.35	87.53	74.77	77.88	14	95	16	83.33	19	*a* 64	20	67.33	5.0
The Rock (*b*)	------	------	------	75.30	----	------	----	81.00	----	------	----	66.0	----
Whitemarsh Island	79.55	85.84	79.39	81.59	11	92	11	86.00	20	68	20	70.6	4.3
FLORIDA—													
Cedar Keys	79.97	84.84	81.39	82.07	12	91	9	85.00	20	74	20	74.23	4.1
Jacksonville	79.77	86.67	80.00	82.15	10	*c* 92	10	85.67	1	*d* 74	20	74.67	3.3
Key West	79.29	85.58	------	82.43	26	*e* 88	8, 26	84.50	18	75	29	76.50	5.4
Knox Hill (*f*)	77.60	84.60	76.27	79.49	15	94	15	86.00	4	*g* 72	19	72.33	6.6
Warrington (*h*)	77.84	83.13	82.61	81.19	16	*i* 88	27	85.00	22	71	5	76.33	3.7
ALABAMA—													
Auburn	75.03	84.16	76.58	78.59	16	95	13	85.67	19	*a* 66	21	66.67	5.4
							16						
Greene Springs	78.25	88.17	80.08	82.17	15	98	15	88.67	18	70	6	73.67	5.0
MISSISSIPPI—													
Columbus	------	------	------	80.09	?	93	1, 2	------	?	67	----	------	----
Oxford (*j*)	76.55	86.73	77.36	80.21	13	94	14	83.67	7	71	7	73.00	3.9
Port Gibson (*k*)	77.67	86.67	78.75	81.03	24	92	29	83.67	26	70	26	72.67	4.5
LOUISIANA—													
New Orleans	76.39	85.43	79.72	80.53	13	91	13	84.17	26	71	4	76.00	4.9
TEXAS—													
Austin	73.81	88.19	80.39	80.80	5	*l* 96	5	87.33	18	70	25	73.33	5.6
New Wied	79.03	94.33	78.00	83.79	7	102*m*	7	88.67	24	72	24	75.67	5.4
TENNESSEE—													
Glenwood (*f*)	72.58	81.67	74.82	76.36	4	*n* 88	13	82.00	29	65	27	71.80	6.4
KENTUCKY—													
Springdale	64.68	85.32	76.11	75.37	12	94	12	81.00	19	45	18	61.33	3.4
OHIO—													
Cleveland	65.39	76.05	66.74	69.39	8	*o* 84	2	73.67	19	50	18	58.67	4.6
Gallipolis	72.39	81.71	7..84	75.31	4	90	4	82.00	18	60	18	63.67	----
Germantown	67.14	78.82	68.24	71.40	4	89	4	79.18	18	*p* 52	18	57.13	5.1
Granville	65.38	78.18	66.66	70.07	8	88	8	78.00	19	45	28	64.00	4.5
Hillsborough	65.71	77.34	67.77	70.27	4	88	4	79.00	18	50	17	63.00	3.8
Jackson, [Crookham]	68.84	81.94	66.48	72.42	8	90	16	78.33	18	50	18	57.00	5.4
Jackson, [Gilmor]	70.73	84.10	73.73	76.19	3	95	3, 31	83.33	18	50	18	58.33	4.9
Oberlin	67.00	78.90	65.40	70.43	25	91	12	80.33	18	49	18	56.67	2.9
Perrysburg (*q*)	69.51	79.90	70.20	73.20	4	92	4	83.00	17	*r* 56	18	60.67	----
Richmond	------	------	------	------	----	------	----	------	----	------	----	------	2.8
Savannah	67.45	81.19	68.19	72.28	3	92	4	81.00	19	47	18	57.00	4.2
Urbana	68.81	82.56	68.61	73.33	22	95	22	82.00	17	*r* 51	18	57.67	5.0
Zanesville	64.87	81.10	69.42	71.80	2	92	2	79.00	19	52	19	60.67	5.0
MICHIGAN—													
Ann Arbor, [Woodruff]	61.71	76.26	65.48	67.82	3	87	3	78.00	19	48	18	54.67	4.4
Ann Arbor, [Winchell]	63.57	75.21	62.63	67.14	3	84	3	78.30	18	46	18	52.67	3.7
Battle Creek	65.48	79.22	66.71	70.47	3	92	3	82.67	27	52	18	59.00	3.2
Cooper	65.42	74.10	65.22	68.25	2	86	3	81.67	16	50	17	54.67	3.2
Detroit	66.70	76.00	66.60	69.77	3	88	3	80.60	18	52	18	57.00	2.1
Flint	63.80	78.90	61.90	68.20	3	90	1	------	18	45	----	------	----
Grand Rapids	61.52	75.52	65.87	67.64	2	90	2	77.00	18	46	17	53.67	3.7
											18		
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	5.7
St. James	63.00	70.82	62.53	65.45	3	84	3	76.00	16	*s* 52	27	51.67	4.9
Saugatuck	67.67	79.96	67.13	71.59	3	91	3	83.33	18	53	18	60.33	3.8

a Same temperature on the 21st.
b Observations taken morning, 3 p. m., and evening. Incomplete.
c Same temperature on the 11th.
d Same temperature on the 20th.
e Same temperature on the 25th.
f Incomplete.
g Same temperature on the 5th, 6th, 19th, and 20th.
h Observations taken at sunrise, noon, and sunset.
i Same temperature on the 28th and 29th.
j For the first 14 days of the month only.
k For the last 11 days of the month only.
l Same temperature on the 6th, 14th, and 15th.
m Same temperature on the 17th.
n Same temperature on the 12th and 13th.
o Same temperature on the 29th.
p Same temperature on the 19th.
q Observations taken at 7 a. m., 1 p. m., and 9 p. m.
r Same temperature on the 18th.
s Same temperature on the 17th and 19th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. Date.	Temp.	WARMEST DAY. Date.	M'n temp.	LOWEST DEG. Date.	Temp.	COLDEST DAY. Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Milton	67.13	80.80	68.63	72.19	3	91	3	83.00	18	50	18	56.83	3.1
New Harmony	71.52	82.68	73.18	75.79	4	91	4	83.00	17	59	18	64.33	4.9
ILLINOIS—													
Athens	71.71	82.93	72.06	75.57	3	98	3	87.33	17	56	17	62 00	4.3
Augusta	65.26	78.06	69.03	70.78	3	92	3	85.33	17	50	17	58.33	3.7
Manchester (*a*)	66.13	75.35	68.68	70.05	3	*b* 92	3	82.67	17	51	17	59.00	4.3
Ottawa (*c*)	66.03	79.35	66.83	70.74	3	93	3	84.00	17	*d* 55	26	62 67	3.9
Upper Alton	67.29	78.59	68.26	71.38	3	91	3	82.00	19	52	17	61.33	2.9
MISSOURI—													
St. Lou's	70.02	80.72	72.34	74.36	3	93	3	85.00	17	*e* 57	17	64.00	4.8
WISCONSIN—													
Beloit	61.90	78.03	66.45	68.79	3	89	3	81.33	18	*f* 44	18	56.67	2.4
Janesville	63.32	78.16	65.06	68.85	3	92	3	80.67	18	50	26	57.33	4.9
									28				
Milwaukee, [Winkler]	63.13	73.35	59.74	65.41	3	90	3	79.33	27	47	26	53.00	3.4
Platteville	65.90	81.13	70.16	72.40	3	93	3	83.67	18	48	17	60.00	4.4
Superior	60.32	69.06	60.13	63.17	6	87	6	75.67	25	*g* 50	15	53.00	4.4
IOWA—													
Dubuque	63.72	77.15	67.10	69.32	3	93	3	86.33	18	43	17	56.00	4.1
Fairfield	----	----	----	62.00	----	98	----	----	----	49	----	----	----
Fort Madison (*h*)	68.71	80 58	71.19	73.49	3	98	3	90.33	27	51	27	60.33	3.7
Muscatine	66.97	78.90	65.48	70.45	3	96	3	83.00	22	52	17	58.33	4.4
Pella	61.58	80.13	65.35	69.02	3	98	3	83.33	17	46	17	54.33	----
Poultney (*i*)	61.80	82.70	61.18	68.56	3	*j* 96	15	77.67	17	43	17	52.00	4.1
MINNESOTA—													
Lac qui Parle	53.84	70.00	61.48	63.44	14	*k* 81	19	71.67	16	*l* 46	16	50.33	4.6
MEXICO—													
Mirador (*m*)	----	----	----	69.30	----	----	----	73.24	----	----	----	66.49	----
EASTERN CONTINENT—													
Mosul, Mesopotamia	----	----	----	93.87	----	109	----	----	----	78	----	----	----
WESTERN AFRICA—													
Nèngenènge	72.97	77.10	76.52	75.53	22	82	22	77.67	5	71	5	73.67	----

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 4th.
c Hours of observation not perfectly uniform.
d Same temperature on the 18th, 23d, and 26th.
e Same temperature on the 18th.
f Same temperature on the 22d.
g Same temperature on the 26th.
h Observations taken at 6 a. m., noon, and 7 p. m.
i Incomplete.
j Same temperature on the 15th.
k Same temperature on the 19th.
l Same temperature on the 17th.
m Hours of observation not given.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
British America—	°	°	°	°		°		°		°		°	
Horton	51.34	61.84	53.00	55.39	12	79	12	70.37	23	37.5	19	45.03	3.2
Montreal	56.52	66.58	60.72	61.27	12	83	9	74.50	19	43	29	49.00	5.0
Red River Settlement	53.77	68.10	56.67	59.51	4	82 *a*	5	73.67	25	40 *b*	30	48.06	4 5
St. Martin	51.43	68.78	55.33	58.51	9	80	12	77.80	29	32	19	42.00	4.1
Toronto	------	------	------	59.49	----	82.6	----	------	----	33	----	------	4.5
Maine—													
Carmel	49.79	67.70	50.14	55.88	12	89	9	76.67	20	32 *c*	19	42.67	4.4
Fryeburg	------	------	------	------	----	------	----	------	----	------	----	------	3.6
Gardiner	56.17	67.22	56.63	60.01	12	89	12	75.00	20	40	20	48.17	4.9
Perry	47.93	60.57	51.87	53.46	9	76	9	66.00	19	34	19	40.67	4.1
Steuben	53.90	62.17	52.70	56.26	9	84	12	68.33	30	37	23	44.33	4.6
New Hampshire—													
Concord	53.47	69.50	58.97	60.65	9	85	9	74.33	20	34	20	44.33	2.8
Exeter	49.87	68.33	55.00	57.73	11	87	12	74.33	20	32	19	44.33	3.4
Londonderry	53.73	69.87	58.83	60.81	12	90	12	80.33	20	32	19	46.67	3.0
Manchester	51.89	69.64	58.82	60.12	12	88	12	76.67	20	28	19	45.33	4.5
Stratford	47.40	65.07	57.13	56.53	----	80	12	71.67	----	30	19	41.67	----
Vermont—													
Brandon	53.84	66.41	55.60	58.62	12	84	12	75.67	20	36	19	42.17	4.4
Burlington	54.90	68.70	58.26	60.62	12	85	12	77.67	20	34	19	43.33	2.6
Craftsbury	49.63	63.47	55.60	56.23	12	79	12	72.00	20	32	19	37.00	4.8
Montpelier (*d*)	48.30	64.70	57.90	56.97	----	------	----	------	----	------	----	------	----
Massachusetts—													
Amherst	53.47	69.17	57.93	60 19	12	85	12	74.90	20	33	20	45.90	4.1
Boston (*e*)	55.33	71.93	65.07	64.11	90	90	9	78.67	20	38	29	50.00	1.8
Mendon	56.17	69.17	59.10	61.48	12	89	12	78.67	20	39	20	43.33	3.8
Nantucket	62.52	69.04	60.82	64.13	9	79	9	75.83	29	50.5	19	54.10	3.0
New Bedford	56.70	68.93	57.93	61.19	9	86	9	76.33	20	39	19 20	48.67	5.2
Newburyport (*f*)	55.47	69.06	58.77	61.10	12	92	12	79.17	20	40	19	47.97	5.9
North Attleboro'	52.92	67.84	52.21	57.66	12	87	12	74.83	20	36	19	45.33	3.4
Princeton	54.38	65.65	56.08	58.70	12	81	12	73.80	19	39	19	42.80	4.8
Richmond	54.63	72.07	61.00	62 57	12	89	12	78.33	20	28	20	41.00	3.4
Southwick	------	------	------	------	----	------	----	------	----	------	----	------	3.7
Springfield	56.30	72.33	62.00	63.54	12	91	12	79.00	20	39	19	48.67	3.5
Westfield	52.93	69.60	59.30	60.61	12	88	9	73.33	20	32	20	45.33	----
Williamstown	53.35	66.65	57.27	59.09	8	79	9	71.33	20	33	19	44.40	5.2
Worcester	55.97	67.07	56.77	59.94	12	86	12	76.67	20	34	19	42.00	3.9
Rhode Island—													
Providence (*g*)	56.3	72.4	57.1	61.93	12	90	9, 12	77.00	20	38	19	47.7	3.9
Connecticut—													
New London	57.97	73.00	61 73	64.23	8	84	9	74.67	29	44	29	33.33	3.0
Pomfret	55.73	67.33	57.00	60.02	12	85	9	74.67	19	41	19	47.67	3.9
Saybrook	59.70	70.00	59.27	62.99	9	80 *h*	9	74.33	20	42	20	52.33	3.8
New York—													
Angelica (*i*)	57.56	68.14	57.45	61.05	12	84	12	75.67	19	40 *j*	19	46.33	3.3
Baldwinsville	55.13	65.50	59.73	60.12	12	82	12	76.67	20	37	19	44.00	3.8
Beverly	59.75	70.04	61.37	63.72	8	81	17	71.33	20	44	19	49.33	4.7
Canton	52.72	68 72	57.50	59.65	12	85 *k*	12	78.33	20	33	19	41.00	5.0
Flushing	------	------	------	63.73	12	88	----	------	20	44	----	------	----
Gouverneur	55.90	69.53	61.23	62.22	12	88	12	77.33	20	28	19	40.33	4.7
Lodi	58.13	68.30	58.10	61.51	12	84	12	78.00	20	35	19	42.33	4.4
New York city	62.82	71.60	64.12	66.18	12	87	12	80.67	20	46	19	51.96	4.4
Oswego	57.77	69.50	61.20	62.82	12	88	12	79.67	20	37	19	47.67	----
Penn Yan (*l*)	54.33	69.13	61.63	61.70	11	84	12	78.00	20	32	19	44.33	5.0

a Same temperature on the 6th.
b Same temperature on the 29th and 30th.
c Same temperature on the 24th.
d Observations taken at sunrise, noon, and sunset.
e Observations taken at sunrise, 2 p. m., and 10 p. m.
f Observations taken at 7 a. m., 1½ p. m., and 9 p. m.
g Observations taken at sunrise, 1 p. m., and 10 p. m.
h Same temperature on the 13th.
i For the first 23 days of the month only.
j Same temperature on the 20th.
k Same temperature on the 16th.
l Observations taken at sunrise, 2 p. m., and sunset.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
NEW YORK—Continued.													
Sag Harbor	60.85	75.85	58.85	65.18	9	90	9	78.67	25	45 *a*	20	54.67	3.7
Smithville	53.60	70.73	57.13	60.49	1	85 *b*	12	78.00	20	34	28	43.67	4.0
Spencertown	53.97	68.40	58.00	60.12	12	84	12	77.33	20	30	19	43.33	3.4
Wampsville	56.67	71.40	57.57	61.88	12	85	12	78.33	20	38	19	46.33	4.5
NEW JERSEY—													
Bloomfield	58.22	74.48	61 60	64.77	12	94	9	80.67	20	40	19	52.50	3.2
Burlington	61.50	74.20	65.60	67.10	12	90	2	82.00	20	46	19	53.33	7.9
Lambertville	58.45	76.19	61.47	65.37	12	93	12	79.67	20	37	28	52.50	5.8
Newark (*c*)	.....	.....	.....	64.50	....	88.75	13	78.87	....	40	19	51.12	....
PENNSYLVANIA—													
Easton	56.63	78.60	63.47	66.23	12	94	12	79.33	20	40	28	55.00	4.5
Gettysburg	67.00	72.73	64.10	67.94	2	88	2	78.00	29	44	19	51.67	5.4
Harrisburg	64.07	74.17	69.93	69 39	12	89	12	82.67	29	48	20	56.67	5.0
Lima	59.52	72.72	62.62	64.95	18	85	1	74.50	24	41.5	24	50.50	4.6
Meadville	60.67	70.10	63.37	64.71	12	85	1	76.33	28	42	28	51.33	5.5
Morrisville	58.83	73.63	61.60	64.69	12	91	2	77.33	20	46	19	52.67	3.2
Moss Grove	59.63	72.96	60.04	64.21	10	88	10	78.67	28	34	28	47.00	5.7
Norristown	58.38	71.23	62.35	63.99	12	86 *d*	12	77.33	29	44	19	52.33	3.8
Paradise	.....	.....	.....	72.00	...	.....	....	.....	....	.....	....	.....	....
Philadelphia	65.75	75.67	69.20	70.21	12	90	12	83.67	20	50	20	58.83	4.7
Pittsburg, [Oakland Station]	62.77	72.10	65.17	66.68	12	86	2	76.67	28	44	28	51.67	....
Pittsburg, [Marine Hosp.] (*e*)	64.47	73.10	69.41	68.49	12	86	12	78.00	28	45	28	52.25	....
Pocopson	62.33	76.02	64.35	67.57	18	90	12	79.67	29	48	19	55.17	5.5
											28		
Pottsville	59.45	72.40	60.03	63.96	12	93	9	77.67	29	40	19	49.83	5.1
Randolph	59.83	72.90	61.73	64 82	11	89	11	78.67 *b*	20	42 *f*	27	46.67	....
West Haverford	60.97	74.97	.....	67.97	12	91	13	82.50	21	48	21	56.50	4.9
DELAWARE—													
Newark (*g*)	60.68	73.79	64.90	66.46	12	86 *d*	12	79.67	29	44	28	53.00	3.6
MARYLAND—													
Bladensburg (*g*)	61.64	76.40	65.22	67.75	18	93	2	80.00	29	43	30	57.00	5.0
Frederick	62.04	74.76	66.47	67.76	12	89	12	79.83	29	45	28	53.67	5.8
Sykesville	63.07	75.40	65.10	67.86	9	89 *h*	12	81.00	29	45	30	55.33	4.6
DISTRICT OF COLUMBIA—													
Washington	64.20	77.33	68.70	70.08	12	93	12	83.33	29	47	19	56.67	5.9
VIRGINIA—													
Alexandria	63.97	76.00	67.31	69 09	11	90	11	82.00	28	46	28	55.00	5.2
Ashland	66.13	77.27	68.00	70.47	17	87	17	78.67	28	46	27	55.33	4.8
Crichton's Store (*i*)	67.25	77.75	74.62	73.21	12	95	11	85.67	20	55	20	61.67	4.6
							18						
Lewisburg	62.03	76.97	63.73	67.58	13	90	13	76.33	28	42	28	50.67	4.6
Smithfield (*j*)	.....	.....	.....	71.71	13	93 *k*	13	83.50	28	48	28	57.50	....
NORTH CAROLINA—													
Chapel Hill	66.83	82.13	71.73	73.56	13	94	13	83.33	29	52	28	62.00	2.7
SOUTH CAROLINA—													
All Saints	74.10	82.55	77.62	78.09	18	90	18	84.33	28	64	28	73.00	3.8
Camden	71.80	84.76	74.80	77.12	11	93 *b*	12	84.33	25	59	28	65.67	4.7
Charleston	74.83	84.70	78 50	79.34	....	92	18	.....	....	68	28	.....	....
GEORGIA—													
Savannah	73.60	85.10	77.30	78.67	17	96	17	85.00	25	67	28	71.00	3.9
Sparta	68.50	85.33	74.00	75.91	13	94 *l*	15	80.67	26	59	25	69.67	4.1
											28		
The Rock	.....	.....	.....	74.14	....	.....	....	78.00	....	.....	....	70.00	....
Whitemarsh Island	75.53	82.37	76.90	78.27	18	90 *m*	17	83.33	28	69	28	71.00	3.7

a Same temperature on the 29th.
b Same temperature on the 12th.
c Observations taken at 7 a. m. and 6 p. m.
d Same temperature on the 18th.
e Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 67.00.
f Same temperature on the 28th.
g Record incomplete.
h Same temperature on the 12th and 18th.
i Observations taken at 7½ a. m., noon, and 6 p. m.
j Observations taken morning, 3 p. m., and evening.
k Same temperature on the 14th.
l Same temperature on the 14th, 17th, and 22d.
m Same temperature on the 19th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1855.

NAME AND STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys	77.70	84.53	79.63	80.62	1	89	23	84.00	25	72	25	76.33	3.1
Jacksonville	78.33	84.93	78.43	80.56	19	91	15	85.33	24	73	7, 25	75.66	3.4
Key West	78.83	84.77	-------	81.80	4	89	14	84.00	3	77 *a*	3	79.50	5.0
Knox Hill	75.30	86.40	77.27	79.66	14	93	22	83.67	25	70	27	74.33	5.4
Warrington (*b*)	77.30	83.13	82.03	80.82	20	87	23 6, 20	83.67	26	72 *c*	27	75.33	3.3
ALABAMA—													
Auburn	75.43	85.43	76.73	79.20	12	92 *d*	13	86.33	27	63	27	70.00	3.8
MISSISSIPPI—													
Columbus	-------	-------	-------	78.06	?	92.5	----	--------	?	57	----	---------	----
Oxford (*e*)	74.64	81.55	72.50	76.23	12	90 *f*	12	85.33	27	56	27	60.33	4.1
LOUISIANA—													
New Orleans	75.43	82.70	75.33	77.82	14	89	14	82.33	27	68	27	73.83	4.5
TEXAS—													
Austin	71.40	85.80	77.20	78.13	3	92	2	82.33	30	54	30	70.00	5.6
New Wied	76.67	90.47	75.80	80.98	3	97 *g*	2, 4	85.67	30	68	27	73.67	6.0
TENNESSEE—													
Glenwood	69.86	79.92	71.60	73.79	12	88	12	79.23	28	51	27	57.70	5.5
KENTUCKY—													
Bowling Green	69.27	84.57	69.03	74.29	20	94	20	79.67	28	44	27	55.67	4.9
Danville	71.65	82.48	72.74	75.62	4	90	12	80.67	18	60 *h*	18	64.67	3.5
Springdale	65.12	81.63	73.70	73.48	10	90	1	79.00	28	42	27	58.30	5.3
OHIO—													
Cincinnati (*i*)	68.20	78.70	70.97	72.62	11	89	3, 12	79.33	28	50	20 28	60.67	4.6
Cleveland	61.59	73.25	64.74	66.53	1	86	1	79.00	27	42	27	52.00	5.8
Gallipolis	69.00	80.01	71.27	73.43	17	99	17	81.33	28	49	27	57.33	----
Germantown	65.50	74.63	65.23	68.45	9	86	11	76.55	28	44	27	54.05	6.4
Granville	65.71	76.21	66.00	69.31	9	85 *j*	10	76.67	28	45	28	54.67	5.6
Hillsborough	63.97	73.40	65.83	67.73	11	83	1	75.00	28	43	27	52.33	5.2
Hiram	59.97	68.27	58.57	62.27	11	81	11	75.00	27	40	19	46.67	----
Jackson, [Gilmor]	69.93	79.50	72.23	73.89	11	93	11	85.33	29	47	28	49.33	4.7
Oberlin	64.5	75.5	63.9	67.97	8	89	8, 11	77.67	28	42	27	52.67	4.4
Perrysburg	67.43	74.73	66.97	69.71	11	90	1	82.00	27	50	27	53.33	----
Richmond	-------	-------	-------	-------	----	------	----	--------	----	-------	----	---------	5.1
Savannah	68.83	76.50	66.00	70.44	12	90	2	81.00	28	40	28	53.00	5.7
Unionville	63.43	70.63	62.73	65.60	9	84	1, 7	78.00	28	44	19	52.00	5.4
Urbana	63.60	77.41	66.24	69.08	9	90 *k*	9	78.67	28	46	19 27	53.67	6.1
Zanesville	65.23	76.48	67.25	69.65	10	90 *j*	9	79.00	28	48	27	55.67	5.7
MICHIGAN—													
Ann Arbor, [Woodruff]	59 20	70.83	62.30	64.11	1	87	1	77.67	28	40	27	49.67	6.2
Ann Arbor, [Winchell]	60.51	73.10	59.82	64.48	1	86	1	77.03	28	39	27	46.60	----
Battle Creek	62.33	73.77	63.39	66.50	1	.89 *l*	1	81.00	18	47 *m*	27	52.67	5.5
Cooper	62.33	69.73	62.79	64.95	10	85	10	77.00	18	48 *n*	19	52.00	4.4
Detroit	61.80	71.13	62.80	65.24	1	87	1	78.00	28	41	27	50.00	5.1
Flint	59.00	73.70	59.30	64.00	11	87	----	--------	27	39	----	---------	----
Grand Rapids	58.93	71.47	61.67	64.02	8	83 *o*	10	76.33	27	43	27	49.33	5.3
Monroe, [Whelpley]	-------	-------	-------	-------	----	------	----	--------	----	-------	----	---------	6.8
St. James	59.87	65.47	57.38	60.91	10	85	11	76.67	27	46	27	50.00	5.5
Saugatuck	64.83	75.93	64.93	68.56	11	87	11	80.67	27	47	27	53.67	5.5
INDIANA—													
Milton	64.42	75.43	66.58	68.81	8	86 *p*	18	78.83	28	43	28	53.67	5.1
New Harmony	70.10	80.20	72.17	74.16	19	89	19	81.00	28	51	27	57.67	5.7

a Same temperature on the 7th, 9th, and 28th.
b Observations taken at sunrise, noon, and sunset.
c Same temperature on the 27th.
d Same temperature on the 13th and 14th.
e For the last 22 days of the month only.
f Same temperature on the 20th.
g Same temperature on the 4th.
h Same temperature on the 19th.
i Observations taken at 6 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 12th.
k Same temperature on the 11th.
l Same temperature on the 8th and 10th.
m Same temperature on the 28th.
n Same temperature on the 19th and 20th.
o Same temperature on the 10th and 11th.
p Same temperature on the 9th and 21st.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	68.10	79.30	69.53	72.31	2	91 *a*	1	81.67	30	50	27	58.00	5.6
Augusta	64.33	76.43	67.36	69.37	8	91	1	80.00	30	39	27	53.33	5.1
Manchester (*b*)	64.60	76.47	66.93	69.33	8	92	8	79.67	27	44	27	54.67	5.5
Ottawa	63.93	75.48	64.40	67.94	....	88	9	78.33	....	45	27	53.67	5.1
Upper Alton	66.14	77.45	67.57	70.39	8	86 *c*	9,16	77.33	20	44	27	54.00	4.0
MISSOURI—													
St. Louis	68.47	79.77	70.93	73.06	9	90.5	9	80.81	30	49.5	27	57.83	4.6
WISCONSIN—													
Beloit	58.40	72.06	59.80	63.42	8	90	8	76.33	27	40	27	48.67	3.2
Janesville	61.53	72.73	61.43	65.23	8,10	92	10	79.33	28	48	28	52.00	4.4
Milwaukee, [Winkler]	58.60	68.07	57.67	61.45	8	89	8	76.33	27	42	27	46.67	5.4
Platteville	62.37	74.87	64.73	67.32	8	92	9,10	79.67	27	42 *d*	27	50.67	6.3
Superior	55.43	61.37	56.37	57.72	10	78	8	69.33	26	42	18	44.33	....
IOWA—													
Dubuque	61.40	69.10	63.33	64.61	10	91	8,10	79.67	27	46	18	52.33	5.7
Fairfield	.....	.....	.....	70.00	....	98	....	.....	....	38	....	.....	....
Fort Madison (*e*)	63.93	78.77	68.47	70.39	8	92 *f*	9	81.00	30	34	30	50.33	6.7
Muscatine	64.60	73.77	64.60	67.66	8	92	8	83.00	27	35	30	48.00	5.7
Pella	60.33	75.60	62.33	66.09	8	91	8	77.67	27	36	30	49.00	....
Poultney	58.96	73.12	58.79	63.62	10	97	10	79.00	27	33	26	48.67	5.9
							11				27		
MINNESOTA TERRITORY—													
Lac qui Parle	55.42	68.59	57.15	60.39	7	88	7	79.00	19	40	18	44.00	5.1
MEXICO—													
Mirador (*g*)	.....	.....	.....	67.30	....	.....	....	71.60	....	.....	....	65.37	....
EASTERN CONTINENT—													
Mosul, Mesopotamia	.....	.....	.....	80.17	....	103	....	.....	....	61	....	.....	....
WESTERN AFRICA—													
Nèngenènge	74.30	78.77	77.77	76.95	15*h*	83	15	79.33	7*a*	72	7	74.33	....

a Same temperature on the 8th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 21st.
d Same temperature on the 30th.
e Observations taken at 6 a. m, noon, and 7 p. m.
f Same temperature on the 9th.
g Hours of observation not given.
h Same temperature on the 22d.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Horton	48.84	57.53	51.44	52 60	6	71.1	4	64.40	31	33.2	31	38.30	4.7
Montreal	45.93	52.31	47.41	48.55	5	70	5	63.45	26	32	24	34.67	6.7
Red River Settlement	38.14	49.72	38.93	42.26	1	70	10	62.33	23	19	20	26 00	6.0
St. Martin	41.43	53.26	44.62	46.44	5	69	6	62.43	31	28	24	31.93	5.9
Toronto (*a*)	40.90	50.60	44.40	45.50	5	68	5	59.80	12	22.6	24	31.00	6.8
MAINE—													
Carmel (*b*)	45.36	54.56	43.65	47.86	6	67	6	61.63	19	31	26	37.00	7 0
Fryeburg													5.7
Gardiner	47.74	55.37	49.45	50.85	6	67	3,4	61.67	31	23	29	39.33	7.5
											31		
Perry	43.61	51.10	44.87	46.53	6	*c* 62	6	56.67	29	29	29	33.67	6.6
Portland	45.89	54.71	47.79	48.13	5	69	5	61.00	26	32	28	39.00	7.1
Steuben	45.94	52.87	46.39	48.40	1	62	4	59.33	31	29	26	36.00	7.4
NEW HAMPSHIRE—													
Concord	45.42	56.07	48.43	49.97	5	72	5	64.33	18	32	29	38.33	5.3
Exeter	45.19	54.94	46.42	48.85	5	70	5,6	61.33	18	30	29	34.33	5.9
Londonderry	46.06	57.35	48.35	50.59	5	*d* 75	4	66.00	27	32	28	38.33	5.1
Manchester (*e*)	49.36	62.81	54.72	55.63	5	72	3	65.00	8	34	8	40.33	6.7
Stratford (*f*)	41.58	51.03	44.55	45.72	----	67	3	63.00	----	28	26	37.00	----
VERMONT—													
Brandon	43.98	52.47	45.97	47.47	2	*g* 70	2	63.33	31	28	24	35.00	7.2
											25		
Burlington	45.97	54.61	47.77	49.45	2	75	2	66.67	31	30	24	35.00	4.2
Castleton (*h*)	39.48	52.88	42.72	45.03	20	74	20	59.33	31	28	24	36.00	5.9
Craftsbury	40.71	49.90	43.29	44.63	3	71	3	63.00	31	27	25	31.00	7.0
Montpelier (*i*)	40.70	52.10	48.00	46.93	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—													
Amherst	45.21	55.20	48.41	49.61	5	73	6	65.33	31	30	25	38.67	5.9
Boston (*j*)	46.52	62.34	50.58	53.15	5	76	5,6	66.67	29	32	28	41.33	6.4
Mendon	50.42	57.71	51.71	53.28	14	69	3	65.00	29	34	26	39.33	4.9
Nantucket	55.84	61.03	55.07	57.31	3	69	3	64.73	28	*k* 43	29	45.67	4.6
New Bedford	51.26	59.17	51.88	54.10	5	70	6	65.70	26	36	29	42.70	6.2
Newburyport (*l*)	47.16	56.22	49.01	50.80	5	75	5	65.40	26	33	28	38.60	7.9
North Attleboro'	44.42	57.60	45.50	49.17	3	72	3	62.10	18	30	17	36.66	5.0
Princeton	44.74	53.36	46.35	48.15	3	70	2	62.00	29	29	28	36.17	6.0
Richmond	44.32	56.42	49.23	49.99	10	76	2	66.00	29	29	29	34.00	7.2
Southwick (*m*)	----	----	----	----	----	----	----	----	----	----	----	----	6.1
Springfield	45.81	58.58	49.26	51.22	5	77	3	67.33	31	30	25	39.33	5.4
Westfield	43.68	55.26	47.52	48.82	5	74	2,5	64.67	18	30	25	39.00	----
											27		
Williamstown	43.73	52.58	45.36	47.22	2	70	2	64.56	31	28	25	35.20	7.2
Worcester	46.03	56.16	48.42	50.20	5	72	6	65.00	29	32	29	37.67	4.6
RHODE ISLAND—													
Providence (*n*)	47.60	59.80	49.90	52.43	5,6	74	6	67.33	29	33	29	40.33	5.2
CONNECTICUT—													
New London	50.19	60.77	52.65	54.54	3	74	3	67.00	26	36	26	44.67	4.7
Pomfret	45.94	55.70	48.29	49.98	5	71	6	64.33	29	32	26	38.33	5.5
Saybrook	48.10	57.65	53.45	53 07	3	*o* 68	6	67.00	26	35	25	42.00	4.8
NEW YORK—													
Angelica	41.14	52.50	42.68	45.44	5	75	5	61.00	31	22	26	28.67	7.0
Baldwinsville	44.10	51.71	46.77	47.53	5	68	5	61.00	25	32	25	34.33	6.4
Beverly	47.35	56.55	49.58	51.16	5	72	1,5	65.67	31	34	25	38.67	5.8
Canton	44.58	53.87	46.06	48.17	5	75	1	64.67	15	*k* 31	25	33.00	6.1
Flushing	----	----	----	52.85	----	71	----	----	----	32	----	----	----
Gouverneur	42.90	54.13	47.68	48 24	5	70	3,6	62.00	14	28	25	31.33	6.3
Lodi	42.00	52.52	43.79	46.10	5	70	5	63.67	25	*p* 30	25	30.00	6.7

a Observations taken at 6 a. m., 2 p. m., and 10 p. m.
b Record incomplete.
c Same temperature on the 8th.
d Same temperature on the 6th.
e For the first 11 days of the month only.
f Observations taken morning, noon, and night.
g Same temperature on the 5th.
h For the last 25 days of the month only.
i Observations taken at sunrise, noon, and sunset.
j Observations taken at 6 a. m., 1 p. m., and 10 p. m.
k Same temperature on the 29th.
l Observations taken at 7 a. m., 1¼ p. m., and 9 p. m.
m Incomplete.
n Observations taken at sunrise, 1 p. m., and 10 p. m.
o Same temperature on the 5th and 6th.
p Same temperature on the 31st.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
New York city	50.29	57.59	52.04	53.31	5	70	1	67.40	26	34	25	39.83	5.0
Oswego	45.87	54.77	48.55	49.73	19	71	5	61.33	15	33	24	37.67	----
Penn Yan (*a*)	42.23	53.97	47.03	47.74	5	75	5	64.67	31	31	25	33.67	7.1
Sag Harbor	50.96	63.68	53.00	55.88	5	78	1	71.66	26	38	25	44.00	5.3
Smithville	42.77	52.71	44.58	46.69	2	*b* 68	5	62.33	17	28	24	31.67	6.7
Spencertown	43.65	53.06	46.90	47.87	5	73	1	64.33	31	27	25	36.33	5.4
Wampsville	44.42	54.06	45.16	47.88	5	75	5	64.33	24	*c* 32	25	33.67	7.2
NEW JERSEY—													
Bloomfield	47.93	57.58	49.45	51.65	3	71	1	67.83	27	30	29	43.00	5.0
Burlington	50.32	61.10	51.84	54.42	1	76	1	72.00	26	32	25	39.00	6.8
Lambertville	44.36	60.28	43.77	49.57	1	80	1	70.33	29	29	26 25	36.83	5.1
Newark (*d*)	------	------	------	51.43	----	72.5	1	67.25	----	33	26	40.38	----
PENNSYLVANIA—													
Bedford (*e*)	42.55	54.00	45.84	47.46	1	82	1	72.67	29	27	25	32.66	5.7
Easton	42.39	61.42	46.61	50.14	5	80	1	65.67	26	33	24	38.00	4.4
Gettysburg	44.06	58.48	47.39	49.98	1	72	1	62.67	26	30	25	36.00	5.0
Harrisburg	49.10	58.39	51.69	53.06	5	73	6	63.00	26	34	25	40.67	5.1
Lima	46.14	58.06	48.48	50.89	11	71	1	66.10	26	27	26	38.50	5.1
Meadville	42.48	54.29	44.74	47.17	10	74	5	60.00	17	29	25	33.00	6.0
Morrisville	47.00	55.84	49.03	50.62	5	74	1	67.33	26	32	25	39.67	3.5
Moss Grove	41.66	52.29	42.39	45.45	10	72	1	60.33	17	24	25	30.67	6.0
Norristown	46.08	60.61	49.98	52.22	5	71	1	65.33	26	31	25	39.00	4.6
Paradise	------	------	------	55.00	----	------	----	------	------	------	------	------	----
Philadelphia	50.84	61.08	53.69	55.20	5	77	1	72.16	26	35	25	41.67	5.4
Pittsburg, [O. S.]	44.06	55.52	47.13	48.90	21	70	1	61.00	29	30	25	35.33	----
Pittsburg, [M. H.] (*f*)	45.42	54.77	50.86	49.54	1	*g* 68	1	62.75	29	34	25	36.75	6.3
Pocopson	47.85	59.36	49.83	52.35	5	75	1	67.67	26	33	25	40.33	5.5
Pottsville	44.89	54.72	43.48	47.70	1	68.5	1	63.70	26	26	26	34.33	5.7
West Haverford	47.25	59.58	------	53.41	11	75	1	69.00	26	31	26	39.00	5.2
DELAWARE—													
Newark (*e*)	46.96	58.78	49.20	51.65	1	73	1	67.33	26	31	25	39.67	4.3
MARYLAND—													
Chestertown	48.23	58.93	48.94	52.03	1	72	1	65.33	26	30	25	36.33	4.0
Frederick	45.93	59.00	49.37	51.43	11	76	1	64.97	26	31	25	39.10	4.8
Sykesville	46.71	62.26	48.48	52.48	1	76	1	66.00	8	*h* 34	24	38.00	3.8
DISTRICT OF COLUMBIA—													
Washington	48.26	61.39	52.18	53.94	1	77	1	68.33	26	32	25	40.33	4.1
VIRGINIA—													
Alexandria	46.13	59.42	50.13	51.89	1	*i* 72	1	65.67	26	28	25	38.00	4.3
Ashland	43.74	60.94	50.64	51.77	30	76	1	62.00	25	28	25	36.00	3.4
Crichton's Store (*j*)	52.28	64.78	64.13	60.40	5	79	1	73.00	26	36	24	44.00	4.2
Lewisburg	44.70	61.04	45.65	50.46	17	74	1	60.67	26	26	26	33.00	3.7
Smithfield	------	------	------	57.18	1	78	1	70.75	25	32	25	42.00	----
Winchester	47.19	60.61	45.68	51.16	30	76	5	64.33	26	30	26	39.33	3.9
NORTH CAROLINA—													
Chapel Hill	50.42	68.74	56.35	58.50	1	83	1	71.67	26	31	25	43.00	6.4
SOUTH CAROLINA—													
All Saints	56.87	71.10	62.73	63.57	1	*k* 80	1	77.67	26	37	25	45.67	2.8
Camden	50.68	71.90	55.61	59.40	1	83	1	74.67	26	31	25	43.00	3.9
Charleston	58.58	72.19	63.96	64.91	----	86	1	------	----	39	26 25	------	----
GEORGIA—													
Savannah	56.50	73.40	62.50	64.13	1	86	1	77.36	25	37	25	46.20	3.0
Sparta	48.06	71.00	56.55	58.54	11	81	1	70.67	26	29	25	38.00	2.6
The Rock (*l*)	------	------	------	58.85	----	------	----	72.00	----	------	----	37.00	----
Whitemarsh Island	57.52	70.90	62.10	63.51	1	79	1	75.33	25	39	25	46.67	2.7

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 21st.
c Same temperature on the 25th and 29th.
d Observations taken at 7 a. m. and 6 p. m.
e Record incomplete.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 47.10.
g Same temperature on the 10th.
h Same temperature on the 14th.
i Same temperature on the 6th and 11th.
j Observations taken at 8 a. m., noon, and 5 p. m.
k Same temperature on the 6th.
l Observations taken morning, 3 p. m., and evening.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Cedar Keys	64.58	73.22	69.52	69.11	1	82	1	80.67	25	42	25	49.33	3.6
Jacksonville	62.16	72.11	64.12	66.13	1	86	1	80.00	25	44	25	49.00	2.8
Key West	75.06	80.35	------	77.70	7	89	1	84.50	25	67	27	71.00	5.4
Knox Hill	58.40	74.70	64.00	65.70	20	83	1, 19	72.67	25	34	25	44.00	3.6
Warrington (*a*)	61.58	71.71	70.16	67.82	11	82	5	76.67	25	39	25	48.00	3.2
ALABAMA—													
Auburn	55.10	71.19	60.42	62.24	20	81	10	69.33	25	34	24	41.33	2.9
Greene Springs (*b*)	51.44	73.06	60.29	61.60	19	84	11	70.67	25	c 32	25	41.00	3.5
MISSISSIPPI—													
Columbus	------	------	------	59.56	?	78	----	-------	?	31	----	--------	----
Jackson	49.61	68.58	58.74	58.98	2	*d* 76	17	67.67	25	28	25	37.67	1.5
Oxford	51.68	66.16	54.68	57.51	4	77	20	68.33	25	28	6	45.33	2.8
LOUISIANA—													
New Orleans	60.02	69.47	64.35	64.61	11	77	5	72.83	25	39	25	45.00	3.2
TEXAS—													
Austin	54.61	75.87	60.58	63.69	1	*e* 84	4	76.00	25	34	24	44.67	5.1
New Wied	59.87	76.77	64.87	67.17	3	*f* 89	4	84.33	25	37	24	49.33	6.1
ARKANSAS—													
Camden (*g*)	56.83	69.17	60.00	62.00	----	81	4	70.33	----	38	6, 7	50.67	5.9
TENNESSEE—													
Glenwood	48.56	63.56	51.92	54.68	20	*h* 75	28	62.83	25	32	24	34.87	3.6
KENTUCKY—													
Bowling Green	44.45	70.06	50.52	55.01	19	89	30	64.33	25	27	25	32.33	3.2
Millersburg	44.77	60.52	46.48	50.59	20	78	4	63.00	25	29	24	35.33	3.6
Springdale	40.74	64.00	57.10	53.95	10	78	30	67.83	25	25	24	35.83	3.2
OHIO—													
Cheviot	44.39	61.48	55.26	53.71	----	78	20	66.33	----	28	25	34.00	----
Cincinnati (*i*)	48.10	63.35	53.10	54.85	10	76	10	63.33	25	32	25	48.33	7.2
Cincinnati, [Harper]	47.13	62.52	50.23	53.29	10	*j* 75	10	66.00	24	30	24	36.67	3.4
Cleveland	45.00	54.30	47.40	48.90	10	71	10	62.00	17	32	25	34.67	6.5
Gallipolis	46.97	62.22	49.19	52.79	10	*k* 74	1	62.33	25	31	25	35.33	----
Germantown	41.29	58.34	45.36	48.33	20	75	1	59.45	25	27	25	32.29	4.7
Granville	43.36	59.29	47.93	50.19	10	*j* 71	1	62.67	13	29	24	37.00	4.1
Hillsborough	43.26	57.53	47.94	49.58	20	71	10	60.00	25	27	24	33.00	3.3
Hiram	42.77	52.71	43.06	46.18	20	70	1	62.00	25	28	25	29.67	3.3
Jackson, [Gilmor]	41.32	65.53	49.70	52.12	20	*l* 80	1	67.00	14	*m* 28	7	43.00	3.5
Oberlin	43.70	55.97	45.29	48.32	1	72	1	64.00	25	30	25	33.67	4.0
Perrysburg	45.90	59.06	51.00	51.99	19	77	10	68.33	25	29	12 13	42.00	----
Richmond	------	------	------	------	----	------	----	-------	----	------	----	--------	4.6
Savannah	41.29	57.13	45.32	47.91	10	76	10	63.00	25	27	25	33.00	4.4
Unionville	46.94	54.03	47.40	49.46	19	70	5	61.33	30	30	24	36.00	6.4
Urbana	42.03	59.42	44.87	48.77	20	75	1	59.67	25	29	24	32.67	4.0
Zanesville	43.58	59.68	49.06	50.77	10	85	5	65.33	7	*n* 32	25	33.33	5.9
MICHIGAN—													
Ann Arbor, [Woodruff]	39.74	53.03	44.55	45.77	10	71	4, 10	58.33	25	27	24 25	32.00	4.5
Ann Arbor, [Winchell]	40.24	53.01	42.81	45.35	10	71	10	59.73	25	26	25	30.60	4.9
Battle Creek	42.35	54.61	45.61	47.52	9	*o* 70	10	63.67	25	26	24	32.00	4.6
Cooper	45.55	52.45	46.00	48.00	10	76	10	68.00	24	*p* 30	24	32.00	4.5
Detroit	41.97	53.94	45.87	47.26	10	71	10	62.33	25	28	24	33.00	4.5
Flint	37.60	51.90	42.20	43.90	10	73	----	-------	24	25	----	---- --	----
Grand Rapids	38.03	52.48	44.00	44.84	18	78	18	61.33	25	19	24	28.00	4.1
Monroe, [Whelpley]	------	------	------	------	----	------	----	-------	----	------	----	--------	5.3
St. James	41.32	51.31	41.71	44.78	1	*q* 68	1	63.00	23	31	28	33.00	6.3
Saugatuck	46.00	57.06	47.81	50.29	10	78	10	68.67	24	28	24	33.00	4.9

a Observations taken at sunrise, noon, and sunset.
b Observations taken at sunrise, 2 p. m., and 9 p. m.
c Same temperature on the 26th.
d Same temperature on the 4th and 15th.
e Same temperature on the 2d, 4th, and 19th.
f Same temperature on the 4th.
g For the first 12 days of the month only.
h Same temperature on the 30th and 31st.
i Observations taken at 6 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 20th.
k Same temperature on the 19th and 30th.
l Same temperature on the 30th.
m Same temperature on the 29th.
n Same temperature on the 12th, 13th, 17th, 25th and 26th.
o Same temperature on the 19th.
p Same temperature on the 25th.
q Same temperature on the 3d and 9th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Milton	41.38	58.74	46.97	49.03	19	73	17	65.00	25	29	24	35.33	3.3
New Harmony	45.82	62.06	50.58	52.82	10	*a* 75	4, 20	63.33	25	28	25	35.67	3.6
ILLINOIS—													
Athens	44.87	62.19	49.58	52.21	10	81	10	68.33	25	25	24	35.00	3.8
Augusta	41.61	68.58	49.03	53 07	10	80	10	67.00	25	21	24	33.00	2.9
Manchester	43.52	61.55	47.81	50.96	10	84	10	66.50	25	24	24	31.33	3.9
Ottawa (*b*)	40.07	59.87	46.71	48.88	10	82	10	66.00	25	22	23	36.00	3.8
Upper Alton	43.61	59.07	50.43	51.04	29	75	31	59.33	25	26	24	33.00	2.4
MISSOURI—													
St. Louis	45.89	63.16	52.74	53 93	10	80	5, 10	67.00	25	28	24	34.00	3.5
WISCONSIN—													
Beloit	38.64	54.71	42.13	45.16	10	*c* 74	10	63.67	25	20	24	30.67	2.2
Janesville	38.16	54.65	43.00	45.27	10	81	10	64.67	23	20	25 23	29.33	5.2
Milwaukee, [Winkler]	38.42	53.03	42.39	44.61	9	78	10	63.00	25	22	24	28.33	3.8
Milwaukee, [Pomeroy]	41.74	59.23	43.77	48.25	9	84	9	67.67	24	22	24	28.67	----
Platteville	39.87	59.03	45.90	48.27	?	77	----	64.33	?	20	----	25.67	3.7
Superior	39.06	49.58	42.39	43.68	8	68	8	57.67	24	24	23	26.67	3.2
IOWA—													
Dubuque	41.55	57.10	46.70	48.45	9	81	18	66.00	25	26	23	31.33	4.0
Fairfield	----	----	----	52.00	----	80	----	----	----	22	----	----	----
Fort Madison (*d*)	40.03	59.55	49.61	49.73	10	78	10	65.67	25	18	25	32.67	3.4
Muscatine	38.10	58.71	44.52	47.11	10	84	10	64.33	25	15	24	31.00	4.3
Pella	37.10	57.35	42.53	45.66	18	79	18	64.00	25	20	24	26.67	----
Poultney	37.92	55.83	41.48	45.08	18	81	18	63.33	25	24	24	29.00	4.8
Quasqueton (*e*)	36.28	57.31	43.24	45.61	10	79	9, 10	57.00	25	16	23	30.00	4.5
MEXICO—													
Mirador (*f*)	----	----	----	65.93	----	----	----	73.08	----	----	----	61.20	----
WEST INDIES—													
Up Park Camp, Jamaica (*g*)	80.06	84.70	----	82.38	23	89	21	85.75	13	75	13	76.75	5.4
EASTERN CONTINENT—													
Mosul, Mesopotamia	----	----	----	70.27	----	90	----	----	----	54	----	----	----
WESTERN AFRICA—													
Nèngenènge	75.77	81.35	78.68	78.60	2	85	26	80.67	1	74	*h* 5	76.67	----

a Same temperature on the 20th.
b Record incomplete; for the last eight days of the month.
c Same temperature on the 18th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Record incomplete.
f Hours of observation not given.
g Observations taken at 9½ a. m. and 3½ p. m.
h Same mean temperature on the 11th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Horton	35.09	41.70	37.53	38.11	8	70.4	8	61.30	25	12	20	21.40	5.4
Montreal	31.32	37.81	33.48	34.20	7	54	8	51.55	24	8	24	10.00	5.5
Red River Settlement	16.04	24.46	18.88	19.79	1	*a* 40	2	35.33	17	—24	17	—20.33	6.0
St. Martin	27.87	37.63	30.12	31.87	7	57	7	48.80	20	1	20	9.67	5.0
Toronto (*b*)	36.30	42.70	37.70	38.90	15	59.2	12	50.13	29	15.5	29	24.80	6.0
MAINE—													
Carmel	28.20	40.52	28.58	32.43	14	57	7	47.67	24	7	20	15.00	5.8
Fryeburg	----	----	----	----	----	----	----	----	----	----	----	----	5.6
Gardiner	32.17	40.77	34.50	35.81	1	57	1	51.00	25	1	20	20.33	6.2
Perry	31.47	38.50	33.30	34.42	1	*a* 56	8	51.00	24	13	22	21.67	6.4
Portland	33.13	41.46	35.23	36.61	16	59	16	49.33	24	13	24	21.26	5.8
Steuben	31.83	38.90	34.07	34.93	7	*c* 53	8	51.00	21	*d* 12	20	18.67	6.4
Windham (*e*)	24.09	31.32	25.77	27.06	8	43	15	36.33	23	6	30	15.33	4.4
NEW HAMPSHIRE—													
Concord	32.73	42.33	36.20	37.09	16	60	16	50.67	23	*f* 12	24	23.67	4.9
Exeter	33.53	41.80	34.36	36.56	16	61	16	49.33	23	10	24	20.33	5.6
Londonderry	33.90	45.30	36.40	38.53	1	70	1	55.33	23	15	20	20.67	5.2
Manchester	30.76	42.70	34.70	36.05	16	63	7	48.67	23	10	22	21.00	5.6
Stratford (*g*)	28.93	37.87	34.07	33.62	----	54	8	46.33	----	10	24	13.33	----
VERMONT—													
Brandon	32.15	41.51	31.52	35.06	1	58	1	52.67	24	10	24	17.00	5.5
Burlington	33.07	40.87	35.23	36.39	13	58	1	52.67	22	12	24	17.00	3.4
Castleton	32.10	43.37	34.53	36.36	11	63	1, 8	52.00	22	11	24	18.67	5.8
Craftsbury	26.30	35.57	30.20	30.69	14	54	1, 7	46.00	20	2	20	7.00	6.9
Montpelier (*h*)	28.80	39.20	35.80	34.60	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—													
Amherst	34.63	43.63	37.21	38.49	16	63	16	53.70	23	*f* 15	20	25.20	5.7
Mendon	36.07	43.63	39.10	39.60	14	59	1	53.00	23	18	20	25.33	5.6
Nantucket	45.80	42.47	45.32	44.53	1	60	1	57.67	30	28	30	34.00	5.6
New Bedford	39.97	47.25	41.75	42.99	11	60.5	1	56.33	22	21	20	26.67	6.6
Newburyport	35.10	43.30	38.45	38.95	16	65	16	53.70	24	15	20	23.40	8.2
North Attleboro'	37.83	46.82	39.88	41.51	1	67	1	50.63	20	21	20	25.20	5.6
Princeton	33.25	39.98	35.55	36.26	1	60	1	52.00	23	14	22	19.33	5.8
Richmond	31.73	41.60	34.57	35.97	12	62	6	47.67	20	*i* 17	23	20.00	7.0
Southwick	----	----	----	----	----	----	----	----	----	----	----	----	6.4
Springfield	35.27	46.57	39.13	40.32	11	*j* 64	16	54.67	23	16	22	26.00	5.4
Westfield	35.33	43.93	37.93	39.06	16	65	16	55.00	23	16	22	25.00	----
Williamstown	32.90	41.39	36.83	37.04	16	58	1	52.50	25	11	29	18.67	6.8
Worcester	35.37	45.27	38.13	39.59	23	68	16	53.00	23	16	22	22.00	5.0
RHODE ISLAND—													
Providence (*k*)	38.00	47.60	40.50	42.03	16	66	16	54.67	20 23	20	20	25.00	5.9
CONNECTICUT—													
New London	40.00	49.23	42.87	44.03	14	66	1	56.33	22	21	22	27.33	5.0
Pomfret	36.03	43.57	38.27	39.29	16	63	1	54.33	22	17	20 22	23.67	5.8
Saybrook (*l*)	40.89	47.96	44.56	44.47	1	60	1	54.67	22	22	22	27.33	5.7
NEW YORK—													
Angelica	33.55	41.81	33.23	36.20	11	61	12	54.00	30	10	29	19.67	6.6
Baldwinsville	36.90	42.67	39.90	39.82	1	58	12	54.33	29	20	24 29	22.67	7.0
Beverly	38.15	45.29	41.15	41.53	1	58	1	54.00	23	23	29	27.50	6.2
Blackwell's Island	42.55	48.53	45.03	45.37	16	65	16	56.33	23	28	29	31.00	5.4
Canton	32.52	42.84	33.15	36.17	7	61	7	51.33	24	10	24	14.33	6.2
Flushing	----	----	----	41.68	----	64	----	----	----	17	----	----	----
Gouverneur	30.93	41.23	36.30	36.15	1	*m*56	12	50.67	20	6	20	18.67	4.2

a Same temperature on the 8th.
b Observations taken at 6 a. m., 2 p. m., and 10 p. m.
c Same temperature on the 10th and 11th.
d Same temperature on the 24th.
e For the last 22 days of the month only.
f Same temperature on the 25th.
g Observations taken morning, noon, and night; hour not specified.
h Observations taken at sunrise, noon, and sunset.
i Same temperature on the 27th.
j Same temperature on the 16th.
k Observations taken at sunrise, 1 p. m., and 10 p. m.
l For the first 25 days of the month only.
m Same temperature on the 12th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Lodi	36.10	43.83	38.67	39.53	7	60	12	55.00	29	18	29	22.67	7.3
New York city	41.44	47.90	43.79	44.38	15	59	1	55.16	23	27	29	30.33	6.1
Ogdensburg	----	----	----	----	----	----	--	----	----	----	----	----	5.6
Ovid	36.67	43.33	39.43	39.81	7	60	12	55.33	29	16	29	21.33	7.1
Penn Yan (*a*)	37.63	43.87	39.93	40.48	1	59	12	55.00	29	17	29	22.00	7.3
Smithville	33.93	42.80	37.13	37.95	12	60	12	57.00	20	*b* 15	24	19.00	6.2
Spencertown	35.27	42.27	38.27	38.60	1	*c* 59	1	54.67	22	13	22	19.00	5.5
Wampsville	36.33	45.63	37.90	39.95	1	64	1	55.33	29	16	29	22.33	7.2
NEW JERSEY —													
Bloomfield	41.10	50.75	43.35	45.07	16	67	2	56.83	25	23	29	30.16	5.0
Burlington	42.23	51.73	43.40	45.79	16	70	2	60.33	23	*d* 26	29	31.33	7.5
Lambertville	39.63	50.85	41.43	43.97	16	69	2	57.83	25	23.5	29	28.00	3.9
Newark (*e*)	----	----	----	44.10	---	66	16	56.12	----	22	23	30.37	----
PENNSYLVANIA—													
Bedford	38.08	47.73	41.00	42.27	16	68	16	59.00	30	17	29	26.67	5.4
Easton	37.53	49.87	40.52	42.64	16	68	2	56.00	23	19	29	27.67	5.3
Gettysburg	40.20	49.80	42.10	44.03	16	72	3	55.33	30	23	30	28.00	5.7
Harrisburg	44.17	51.54	47.78	47.83	16	67	16	58.67	23	31	20	37.67	6.1
Lima	41.47	50.60	42.78	44.95	16	68	2	58.40	23	23	20	30.00	6.0
Meadville	37.77	47.00	39.75	41.51	11	*f* 66	11	59.67	30	18	30	25.00	6.8
Morrisville	40.07	50.63	42.03	44.24	1	64	2	56.67	23	24	22	32.00	4.6
Moss Grove	38.10	45.29	39.58	40.99	11	64	11	56.00	30	18	22	28.00	6.5
Norristown	42.02	50.38	43.10	45.17	16	69	2	57.67	22	27	29	30.00	6.3
Paradise	----	----	----	41.00	---	----	---	----	---	----	---	----	----
Philadelphia	44.50	53.10	47.00	48.20	16	67	2	60.00	23	29	29	33.17	6.6
Pittsburg, [O. S.]	41.52	49.40	43.07	44.66	12	*g* 64	7	58.67	30	20	29	27.00	----
Pittsburg, [M. H.] (*h*)	43.03	49.53	45.87	45.56	12	64	12	60.00	30	24	30	30.75	6.4
Poeopson	42.53	52.32	43.78	46.21	16	68	2	58.67	23	25	30	32.67	6.8
Pottsville	40.85	46.54	39.02	42.14	16	66	12	54.10	22	21	29	26.33	6.6
West Haverford	42.23	51.33	-------	46.78	16	68	2, 16	59.00	30	28	29	32.00	6.4
DELAWARE—													
Newark (*i*)	41.12	51.14	41.16	44.47	2	66	2	60.00	23	24	29	31.67	5.3
MARYLAND—													
Annapolis (*j*)	46.17	53.27	47.79	49.08	16	74	16	64.00	30	27	30	34.00	5.6
Bladensburg (*i*)	41.04	51.05	44.10	45.40	1	63	3	55.33	30	20	29	33.67	5.8
Chestertown	42.76	49.93	44.45	45.71	2	62	2	58.33	30	28	30	32.67	5.3
Frederick	42.36	51.66	44.74	46.25	16	70	16	59.07	30	26	30	32.13	5.8
Sykesville	41.50	52.40	43.97	45.96	16	73	16	61.00	29	23	29	30.33	5.3
DISTRICT OF COLUMBIA—													
Washington	44.00	53.67	47.28	48.32	16	69	16	61.33	30	26	30	35.33	5.8
VIRGINIA—													
Alexandria	44.18	53.57	46.95	48.23	16	70	16	62.33	30	25	30	35.00	6.0
Ashland	44.60	56.23	46.53	49.12	11	76	11	65.67	20	28	22	34.33	4.8
Crichton's Store	50.00	57.24	57.44	54.89	16	74	16	68.33	30	32	22	40.33	6.6
Lewisburg	42.00	55.17	46.14	47.77	14	*g* 70	15	60.67	29	22	28	33.33	6.3
							16						
Smithfield	-------	-------	-------	51.02	16	70	3	65.50	29	25	22	36.00	----
											29		
Winchester	42.87	54.67	44.87	47.47	1	*k* 72	16	62.67	30	20	30	32.33	5.5
NORTH CAROLINA—													
Chapel Hill (*l*)	47.79	60.73	53.08	53.87	16	81	16	67.33	30	25	22	38.33	3.8
							17						
SOUTH CAROLINA—													
All Saints	54.53	66.97	57.07	59.52	4	77	8	69.00	30	35	29	44.33	4.6
Camden	50.87	66.26	56.00	57.71	2	*m* 80	3	70.67	30	30	29	40.33	6.0
Charleston	57.80	67.73	62.13	62.55	----	77	4	-------	----	40	29	-------	----

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 24th.
c Same temperature on the 11th.
d Same temperature on the 25th.
e Observations taken at 7 a. m. and 6 p. m.
f Same temperature on the 14th.
g Same temperature on the 15th.
h Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 43.80.
i Incomplete.
j Observations taken at 7½ a. m., 2 p. m., and 9 p. m.
k Same temperature on the 16th.
l No observation before the 3d of the month; irregular till the 5th.
m Same temperature on the 3d and 4th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
GEORGIA—	°	°	°	°		°		°		°		°	
Savannah	57.20	69.00	61.20	62.47	4	79	7	71.80	29	38	29	45.67	5.9
Sparta	51.90	66.13	56.23	58.09	2	*a* 82	4	70.67	29	*b* 34	29	40.67	6.3
The Rock (*c*)	----	----	----	55.04	----	----	----	68.00	----	----	----	42.00	----
Whitemarsh Island	57.20	67.43	61.23	61.95	4	77	7	71.67	29	37	29	45.00	5.4
FLORIDA—													
Cedar Keys	66.03	73.03	69.37	69.48	5	*d* 79	9	76.33	30	51	29	54.33	4.1
Jacksonville	65.36	75.93	65.43	68.91	8	82	8	77.00	30	40	29	49.33	5.2
Key West	75.63	79.23	----	77.43	8	86	8	83.00	30	62	30	66.00	5.4
Knox Hill	58.93	70.46	63.04	64.14	4	84	5	74.33	29	41	29	50.67	6.6
St Augustine	69.90	74.30	69.50	71.23	21	*e* 82	5	76.67	29	45	29	50.67	3.7
Warrington (*f*)	62.50	70.33	67.63	66.82	2	81	5	76.00	19	45	29	54.67	6.3
ALABAMA—													
Auburn	55.53	65.53	59.80	60.29	4	81	4	73.33	29	38	29	46.00	6.5
Greene Springs	55.72	69.05	60.02	61.60	15	80	4	73.33	29	37	29	44.67	7.5
MISSISSIPPI—													
Columbus	----	----	----	59.02	?	78	----	----	?	32	----	----	----
Jackson	54.23	64.47	58.50	59.07	16	79	16	76.33	29	34	22	45.00	2.9
Oxford	51.67	62.60	54.37	56.21	15	*g* 76	4	67.67	19	34	29	42.67	6.2
LOUISIANA—													
New Orleans	60.90	68.82	64.33	64.52	4	80	4	75.00	29	47	28	54.00	6.8
TEXAS—													
Austin	50.57	70.50	55.60	58.89	4	85	3	76.67	29	*b* 35	22	45.33	6.0
New Wied	55.43	73.13	59.70	62.75	4	87	3	80.33	27	40	22	47.67	6.0
ARKANSAS—													
Camden	50.30	64.87	56.30	57.16	4	*h* 81	4	75.67	19	32	22	43.00	5.7
TENNESSEE—													
Glenwood	48.29	58.68	50.79	52.59	14	71.5	5	67.77	22	27	29	35.90	6.0
KENTUCKY—													
Danville	49.17	60.00	52.31	53.83	5	76	5	68.67	22	26	22	36.00	4.3
Millersburg (*i*)	46.27	56.09	49.41	50.56	5	*j* 70	5	65.33	30	25	29	34.00	7.8
Springdale	43.00	55.13	51.30	49.81	5	73	5	68.00	22	19	22	30.81	5.8
OHIO—													
Cincinnati, [Harper]	44.67	53.47	45.03	47.72	5	72	15	64.33	30	27	22	32.67	5.1
											29		
Cheviot	42.43	53.23	47.80	47.82	----	70	15	63.67	----	25	22	32.00	----
Cleveland	39.87	48.33	41.60	43.27	15	64	6	59.33	30	21	30	26.33	6.7
Dayton	42.41	52.11	----	47.26	----	73	6	42.50	----	24	22	30.00	----
Gallipolis	44.83	56.42	46.67	49.31	11	73	11	63.67	30	26	22	33.00	----
Germantown	40.01	49.98	42.62	44.20	5	72.5	5	63.88	30	20.5	30	28.92	6.6
Granville	41.67	47.80	43.13	44.20	15	68	15	59.67	30	24	29	29.67	6.2
Hillsborough	41.75	51.65	4 .00	45.80	11	69	11	61.17	27	24	22	30.81	5.8
											29		
Jackson, [Gilmor]	42.10	59.60	46.83	49.51	11	72	7	68.67	27	19	21	37.00	6.0
Oberlin	40.37	49.04	41.70	43.70	15	66	6	60.33	30	21	19	21.33	5.8
											22		
Perrysburg (*k*)	41.13	50.73	43.50	45.12	15	70	15	62.67	29	23	29	28.00	----
Savannah	38.17	47.47	40.27	41.97	15	67	12	55.33	27	20	29	27.00	6.5
Unionville	40.37	48.60	39.50	42.82	11	66	6	56.00	29	28	22	32.67	7.0
Urbana	38.77	48.73	41.53	43.01	15	74	15	64.33	22	19	22	27.33	6.1
Zanesville	41.82	51.07	44.23	45.71	11	69	11	49.00	30	23	22	33.00	6.8
											30		
MICHIGAN—													
Ann Arbor, [Woodruff]	35.17	44.95	38.23	39.45	15	64	15	58.00	29	18	29	23.33	6.0
Ann Arbor, [Winchell]	34.83	44.27	37.24	38.78	15	65	15	57.67	29	17	29	22.47	5.9
Battle Creek	37.13	47.43	40.00	41.52	15	65	15	59.67	29	22	29	27.00	5.1
Cooper	29.25	46.57	39.60	38.47	15	66	15	62.67	22	24	22	28.00	4.4

a Same temperature on the 3d and 4th.
b Same temperature on the 30th.
c Observations taken morning, 3 p. m., and evening.
d Same temperature on the 8th.
e Same temperature on the 26th.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 16th.
h Same temperature on the 15th.
i Observations broken from the 20th to the 29th.
j Same temperature on the 11th.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Detroit	38.20	45.87	40.80	41.62	15	63	15	58.67	29	20	29	26.33	5.8
Flint	32.40	44.30	35.70	37.47	15	64	----	-------	29	14	29	19.67	----
Grand Rapids	33.33	43.93	37.20	39.15	5	62	5	57.33	29	18	22	24.33	5.1
Monroe	------	------	------	------	----	------	----	------	----	-------	----	-------	5.7
St. James	35.60	40.65	36.43	37.56	9	55	13	49.00	19	20	28	22.00	6.5
Saugatuck	39.70	49.36	42.76	43.94	5	67	5	60.67	29	28	19	31.67	6.0
INDIANA—													
Milton	39.31	49.76	42.47	43.85	15	*a* 66	15	60.15	22	22	21	27.10	5.3
New Harmony	43.77	54.50	47.53	48.60	15	74	15	68.33	22	22	22	31.67	5.7
ILLINOIS—													
Athens	38.23	52.00	42.10	44.11	5	70	15	63.00	22	18	21	25.00	5.5
Augusta	36.17	50.00	40.33	42.17	15	71	14	59.33	22	14	21	22.67	5.0
Manchester (*b*)	37.80	51.27	39.80	42.96	14	72	11	61.00	21	17	21	22.33	5.1
Ottawa (*c*)	29.90	41.50	33.18	34.86	20	*d* 48	25	42.67	21	18	21	24.00	4.7
Upper Alton	38.58	51.67	44.90	45.05	14	*e* 70	15	67.00	22	18	21	26.00	4.3
MISSOURI—													
St. Louis	42.22	52.97	46.13	47.11	14	71	15	66.00	22	24	21	28.67	5.2
WISCONSIN—													
Beloit	34.63	44 60	36.30	38.51	5	67	11	60.00	19	14	21	21.33	2.8
Janesville	34.13	45.23	31.47	36.94	5	70	5, 11	58.00	19 22	10	21	20.67	4.9
Milwaukee, [Winkler]	33.17	41.97	34.70	36.61	15	63	5	53.00	19	11	19	18.67	4.3
Milwaukee, [Pomeroy]	33.80	44.27	34.63	37.57	15	64	5	52.00	19	10	19	20.00	----
Platteville	32.87	45.90	36.83	38.53	5	68	11	60.33	19	*f* 8	21	15.33	5.0
Superior	27.04	38.40	30.24	31.89	4	57	28	49.33	19	7	21	14.33	3.8
IOWA—													
Dubuque (*g*)	35.33	45.15	38.27	39.58	10	62	11	59.33	21	15	21	-------	4.9
Fairfield	------	------	------	33.00	----	70	----	------	----	12	----	-------	----
Fort Madison (*h*)	35.13	48.57	40.07	41.26	11	*e* 70	11	62.00	----	13	21	21.00	4.6
Muscatine	33.36	44.80	34.90	37.69	11	67	5	53.67	22	10	21	20.00	4.7
Pella	29.00	43.00	32.20	34.73	9	63	9	50 00	21	8	21	14.00	----
Poultney	28.04	42.07	31.37	33.83	11	64	5	50.00	24	8	21	14.00	5.3
Quasqueton (*i*)	27.98	38.76	30.53	32.42	11	61	11	53.26	19	*f* 4	21	13.00	4.9
MINNESOTA—													
Red Wing	28.67	39.50	31.58	33.25	9	59	9	52.37	21	8	21	13.76	5.8
MEXICO—													
Mirador (*j*)	------	------	------	64.76	----	------	----	73.26	----	-------	----	57.60	----
WEST INDIES—													
Up Park Camp, Jamaica (*k*)	80.87	83.64	------	82.26	12	87½	28	86.25	5	*l* 73½	11	76.25	5.7
EASTERN CONTINENT—													
Mosul, Mesopotamia	------	------	------	55.27	----	70	----	------	----	42	----	-------	----

a Same temperature on the 20th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c For the last 11 days of the month only.
d Same temperature on the 27th.
e Same temperature on the 15th.
f Same temperature on the 22d.
g Observations omitted at 2 p. m. on the 21st, which was probably the coldest day.
h Observations taken at 6 a. m., noon, and 7 p. m.
i Incomplete.
j Hours of observation not given.
k Observations taken at 9¼ a. m. and 3¼ p. m.
l Same temperature on the 11th and 18th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Horton	27.64	34.79	29.65	30.69	2	55.6	2	48.85	29	— 1	29	3.77	5.3
Montreal	20.18	25.24	22.17	22.53	2	46	2	41.12	29	—14	29	—9.50	6.4
Red River Settlement	—12.21	—2.97	—9.24	—8.14	6	26	6	22.67	24	—48	23	—39.33	4.5
St. Martin	16.91	25.23	20.18	20.77	2	48	2	41.40	29	—23	29	—12.90	6.0
Toronto (*a*)	24.80	30.50	26.30	27.20	9	47	1	41.78	29	— 5.2	29	6.60	6.7
MAINE—													
Carmel	16.63	29.32	20.50	22.17	2	52	3	39.67	31	—19	29	—2.00	4.9
Fryeburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.9
Gardiner	21.61	31.37	24.58	25.85	1	48	2	43.33	31	—18	29	6.33	5.1
Perry	24.26	30.51	25.13	26.63	2	48	2	42.33	29	0	29	4.00	4.6
Portland	23.21	32.23	25.71	27.05	9	48	3	38.16	29	3	29	10.16	5.8
Steuben	23.29	32.77	25.42	27.16	3	*b* 50	2	44.67	29	— 3	29	5.33	5.4
Windham	24.15	28.90	23.40	25.48	3	36	2,3	33.33	29	6	29	8.67	3.3
NEW HAMPSHIRE—													
Concord	22.97	32.03	26.26	27 09	2	45	3	38.67	31	— 5	31	4.33	4.0
Exeter	23.00	32.61	23.94	26.52	22	49	22	41.00	29	*c* 4	29	10.33	4.6
Londonderry	24.45	33.52	27.58	28.52	1	*d* 50	2	42.00	29	2	29	10.33	4.6
Manchester	22.82	33.44	27.18	27.81	9	53	2	39.33	31	— 6	31	7.00	4.9
Stratford (*e*)	19.68	27.84	25.26	24.26	....	44	2	38.00	....	—12	29	0.67	....
VERMONT—													
Brandon	22.87	30.93	24.31	26.04	2	52	2	41.33	29	—10	29	—1.50	5.9
Burlington	24.13	30.81	25.84	26.93	2	52	2	45.33	29	—12	29	—0.67	3.9
Craftsbury	16.74	24.45	19.39	20.19	2	45	2	39.00	29	—15	29	—4.00	6.2
Montpelier (*f*)	18.80	29.80	26.90	25.17	....	.....	....	.....	....	.....	....	.....	....
MASSACHUSETTS—													
Amherst	24.41	32.44	27.52	28.12	1	*d* 46	2	40.50	31	7	29	9.00	5.9
Boston (*a*)	28.10	38.03	30.81	32.31	5	62	2	43.33	29	7	29	16.33	3.5
Mendon	25.84	33.74	29.29	29.62	2	52	9	44.00	29	2	27	12.33	4.8
Nantucket	37.88	41.43	38.51	39.27	23	54	2	51.83	29	22	27	25.83	5.5
New Bedford	31.14	38.16	33.44	34.25	23	55	2	49.00	29	9	29	17.67	6.3
Newburyport	26.27	35.02	26.92	29.40	9	50	23	40.90	29	5	30	14.00	7.9
North Attleboro'	28.12	36.23	30.12	31.49	9	55	23	45.30	29	3	29	10.83	4.3
Princeton	24.21	29.74	26.00	26.65	9	*g* 46	23	38.33	29	3	29	8.67	5.9
Richmond	24.90	32.48	27.97	28.45	6	46	6	38.33	28	8	27	11.00	5.8
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.3
Springfield	25.16	35.61	27.81	29.53	1	52	23	42.00	31	2	29	10.33	4.5
Westfield	24.42	33.29	27.74	28.48	1	50	23	40.33	31	— 5	31	7.00	4.8
Williamstown	23.69	30.32	26.18	26.73	2	47	2	40.30	29	3	29	8.90	6.3
Worcester	25.84	35.42	28.52	29.93	8	57	9,23	42.67	31	5	29	9.67	5.3
RHODE ISLAND—													
Providence (*h*)	28.80	36.50	31.20	32.17	23	53	23	47.00	29	8	29	15.67	4.7
CONNECTICUT—													
New London	31.13	39.68	33.74	34.85	23	57	23	48.67	29	13	29	18.33	4.6
Pomfret	26.84	33.36	27.77	29.32	9	53	9	42.33	29	7	29	12.00	5.2
Saybrook (*i*)	28.87	35.00	31.87	31.91	9	52	9	47.67	29	*c* 16	29	18.67	4.8
NEW YORK—													
Angelica	19.74	27.52	21.94	23.07	1	*d* 44	2	39.67	27	— 4	27	4.00	6.6
Baldwinsville	26.26	31.10	28.35	28.57	2	50	2	43.67	29	6	29	8.67	6.9
Beverly	28.38	33.46	30.79	30.88	9	52	9	46.67	29	11	29	13.33	5.4
Canton	22.61	28.94	24.84	25.46	2	50	2	45.33	29	—21	29	—7.33	7.0
Flushing	.....	.....	.....	30.39	....	50	....	.....	....	7.5	....	.....	....
Gouverneur (*j*)	26.93	33.60	29.60	30.04	9	60	9	49.33	29	0.6	29	10.87	7.5
Lodi	25.13	32.87	27.29	28.43	2	56	2	43.33	27	5	29	11.00	7.3
Madrid (*k*)	18.27	31.24	18.55	22.69	22 23	40	22	38.17	29	—22	29	.....	7.1
New York city	32.09	38.04	34.03	34.72	9	53	23	48.60	27	14	29	18.73	5.7
Oswego (*l*)	27.16	35.64	31.00	31.27	5	59	2	45.00	29	2	29	8.00	....

a Observations taken at 6 a. m., 2 p. m., and 10 p. m.
b Same temperature on the 4th.
c Same temperature on the 31st.
d Same temperature on the 2d.
e Observations taken morning, noon, and night; hours not specified.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 9th.
h Observations taken at sunrise, 1 p. m., and 10 p. m.
i For the last 23 days of the month.
j Observations taken at Watertown, N. Y., after the 6th of the month.
k Observations very irregular; none before the 9th. No observations on the 29th, which was probably the coldest day.
l Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Ovid	26.14	32.50	27.69	28.78	1	53	1	44.67	29	5	29	10.33	6.5
Penn Yan (*a*)	25.81	33.97	29.65	29.81	1	54	1	45.33	27	8	29	13.67	7.5
Sag Harbor	32.90	40.84	35.74	36.49	1	*b* 56	16	50.33	29	*c* 18	27	21.90	5.3
Smithville	23.81	30.26	27.03	27.03	1	48	2	44.67	29	—13	29	— 1.33	7.4
Spencertown	24.10	31.94	27.45	27.83	1	49	2	43.33	31	— 3	31	6.33	4.5
Wampsville	25.58	34.29	29.90	29.92	2	56	2	46.00	29	0	29	7.67	6.9
NEW JERSEY—													
Bloomfield	32.18	42.56	35.56	36.77	9	55	9	47.67	14	8	11 12 20	28.33	4.1
Burlington	30.13	39.65	33.35	34.38	9	58	9	54.33	27	8	27	16.00	7.6
Lambertville	27.29	38.59	31.46	32.45	9	55	9	48.67	31	8	31	17.08	4.3
Newark	------	------	------	33.60	----	53.5	----	49.00	----	12	----	18.13	----
PENNSYLVANIA—													
Dickinson College	28.16	35.67	30.02	31.28	23	53	23	45.50	31	4	31	10.67	5.0
Easton	25.52	38.97	29.48	31.32	9	56	9	45.67	31	0	31	12.00	5.1
Gettysburg	26.90	37.71	30.16	31.59	23	54	23	46.67	31	4	31	12.33	5.0
Harrisburg	32.55	38.71	34.77	35.34	9	55	23	46.67	27	16	31	20.00	5.7
Lima	29.58	38.92	32.67	33.72	16	58	9	51.00	31	9	31	17.10	5.7
Meadville	25.35	34.74	26.90	29.00	1	50	1	42.67	27	— 4	27	8.00	7.1
Morrisville	29.28	39.13	31.94	33.45	23	54	9, 23	46.00	31	13	27 29	18.67	4.6
Moss Grove	24.00	30.71	25.63	26.78	1	52	1	42.67	27	— 2	27	6.00	6.8
Nazareth	24.74	34.45	27.24	28.81	9	52	9	42.67	31	8	31	13.00	5.4
Norristown	28.80	36.53	31.41	32.25	22	54	22	44.67	27	13	29	17.60	5.9
Paradise	------	------	------	26.00	----	------	------	------	----	------	----	------	----
Philadelphia	34.00	41.30	37.20	37.50	16	60	16	53.00	27	14	27	20.00	6.7
Pittsburg, [O. S.]	29.10	35.61	30 80	31.84	15	55	15	47.33	27	4	27	11.33	----
Pittsburg, [M. H.] (*d*)	31.03	37.19	33.13	33.20	15	56	9, 15	46.50	27	10	27	13.00	7.3
Pocopson	30.20	39.94	33.21	34.45	9	58	9	52.00	31	10	27	17.67	6.3
Pottsville (*e*)	26.18	35.27	26.94	29.46	9	51	9	43.40	27	8	31	13.33	6.1
West Haverford	31.97	40.71	------	36.34	16	59	9	52.00	27	13	31	20.60	5.4
MARYLAND—													
Annapolis	34.63	41.27	37.03	37.64	9	58	16	52.90	27	15	27	22.67	5.2
Bladensburg	29.12	42.33	33.77	35.07	16	61	?	?	27	12	26	20.00	6.7
Chestertown	31.81	40.81	34.32	35.65	17	56	16	54.00	27	15	27	20.33	4.9
Frederick	30.76	39.71	34.77	35.08	9	56	16	47,27	27	13	31	20.40	6.1
Sykesville	28.45	39.97	31.81	33.41	16	63	23	52.00	27	9	27	16.67	5.5
DISTRICT OF COLUMBIA—													
Washington	33.13	41.44	36.74	37.10	23	58	16	53.67	27	17	27	22.23	5.4
VIRGINIA—													
Alexandria	33.66	42.19	36.55	37.47	16	62	16	55.67	27	14	27	19.00	5.1
Ashland	28.87	38.97	32.13	33.32	15	62	14	58.67	26	2	26	8.67	5.7
Crichton's Store (*f*)	39.28	44.72	46.82	43.61	16	67	16	65.67	27	23	27	28.33	5.9
Lewisburg	30.84	43.42	35.13	36.46	23	61	23	50.33	27	14	26	17.67	6.6
Smithfield	------	------	------	41.27	15	64	15	62.00	20	19	27	27.50	----
Winchester	30.42	42.03	33.52	35.32	2	*g* 60	23	50.33	27	*c* 10	31	18.67	5.6
NORTH CAROLINA—													
Chapel Hill	37.42	51.13	41.94	43.50	16	*h* 69	16	63.67	11	*i* 22	26	27.67	4.2
SOUTH CAROLINA—													
All Saints	46.26	56.58	46.48	49.77	25	72	17	66.67	11	27	11	36.00	5.7
Camden	39.58	53.74	44.52	45.95	16	72	16	66.33	11	19	11	30.67	6.2
Charleston	49.19	57.48	53.00	53.22	----	68	17	------	----	32	27	------	----
GEORGIA—													
Savannah	47.70	58.10	51.70	52.50	25	74	25	67.90	27	32	26	38.30	6.6
Sparta	40.81	53.65	44.84	46.43	23	70	16 23	64.60	26	20	26	28.33	6.2

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 16th.
c Same temperature on the 31st.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 31.45.
e But few observations on the thermometer after the 9th of the month.
f Observations taken at 8¼ a. m., noon, and 6½ p. m.
g Same temperature on the 9th and 25d.
h Same temperature on the 23d.
i Same temperature on the 21st and 27th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
The Rock (*a*)	.....	.....	.....	45.14	....	.....	....	64.00	....	.....	....	26.00	....
Whitemarsh Island	46.97	57.65	52.26	52.29	17	*b* 68	25	65.33	....	30	26	37.33	6.1
FLORIDA—													
Cedar Keys	57.42	64 48	61.06	60.99	15	*c* 70	24	67.67	11	40	26	49.67	4.8
Jacksonville	54.42	65.19	57.54	59.05	24	*b* 78	24	71.67	11	34	11	42.33	4.6
Key West	70.26	75.97	.....	73.11	18	*d* 82	25 18	80.00	11	54	11	57.00	5.2
Warrington	53.06	59.45	58.03	56.85	16	78	16	72.67	26	23	26	33.33	6.4
ALABAMA—													
Auburn	44.51	54.90	48.30	49.24	....	67	23	64.33	....	17	26	25.33	....
MISSISSIPPI—													
Columbus	.....	.....	.....	43.04	?	67	....	.....	?	14	....	.....	....
Jackson	42.10	51.48	46.35	46.64	17	74	14	64.33	26	12	26	21.33	2.2
Oxford	36.29	47.42	39.77	41.16	13	69	13	59 00	26	8	25	14.67	4.1
LOUISIANA—													
New Orleans	48.77	58.33	54.02	53.71	22	72	15	66.83	26	26	25	36.67	6.6
TEXAS—													
Austin	37.42	58.71	47.29	47.81	21	79	8	70 00	26	7	25	17.33	5.5
New Wied	43.16	60.31	50.06	51.18	12	77	8	71.33	26	13	24	23.67	5.8
TENNESSEE—													
Glenwood	33.50	43.87	36.82	38.06	1	62	14	57.23	26	3	26	12.87	5.8
KENTUCKY—													
Danville	35.84	45.94	38.16	39.98	1	65	14	56.33	26	9	26	14.00	4.8
Millersburg	32 22	38.59	31.33	34.05	1	58	8	48.67	26	3	26	11.67	5.1
Springdale	29.18	40.42	35.76	35.12	1	61	14	55.00	26	— 6	26	7.00	5.8
OHIO—													
Bellefontaine	24.02	28.23	24.97	25.74	2	50	2	45.00	26	— 6	26	— 2.00	....
Cheviot	28.13	39.71	32.94	33.59	....	61	1	50.00	....	— 6	26	5.67	....
Cincinnati, [Harper]	30.16	40.55	33.39	34.70	22	55	14	51.00	26	— 2	26	10.67	6.9
Cincinnati, [Telegraph] (*e*)	32.32	39.55	35.06	35.64	1	60	14	51.33	26	3	26	8.33	5.5
Cincinnati, [Lea]	.....	.....	.....	34.40	....	.....	22	50.50	....	.....	26	7.00	....
Cleveland	27.79	33.06	28.43	29.76	1	53	1	45.67	27	1	26	9.00	7.1
Gallipolis	29.84	41.19	32.81	34.61	16	58	2, 16	49.33	31	5	26	11.33	....
Germantown	25.68	34.45	27.72	29.28	14	52.5	14	49.17	26	— 7	26	— 2.20	6.7
Granville	28.74	37.84	30.77	32.45	1	64	1	50.67	26	1	26	3.67	5.7
Hillsborough	28.23	36.23	30.18	31.55	1	56	14	47.67	26	— 3	26	2.50	5.4
Oberlin	28.23	34.03	29.00	30.42	1	54	1	46 33	27	5	26	9.33	5.8
Perrysburg (*f*)	28.35	33.94	30.10	30.80	1	63	1	53.67	26	3	25	9.67	....
Savannah	26.52	35.41	28.38	30.10	6	57	2	46.00	27	0	26	6.33	6.3
Unionville	28.65	33.68	28.97	30.43	1	52	1	43.33	26	*g* 6	26	11.33	7.4
Urbana	25.13	34.16	27.13	28.81	1	54	1	46.00	26	— 5	26	0.67	6.5
Zanesville	28.13	38.68	30.97	32.59	2	57	22	49.33	27	2	26	8.00	7.4
MICHIGAN—													
Ann Arbor, [Winchell]	22.70	27.37	23.39	24.49	1	53	1	46.13	27	— 4	26	3.53	6.5
Ann Arbor, [Woodruff]	22.47	29.74	24.56	25.59	1	54	1	46.33	27	— 3	26	4.17	6.6
Battle Creek	24.67	30.81	25.68	27.05	1	61	1	51.00	27	2	30	8.67	7.0
Detroit	26.26	31.74	27.23	28.41	1	53	1	46.67	27	3	26	8.33	6.8
Eagle River (*h*)	.....	.....	.....	18.44	8	*i* 38	14	37.33	28	— 6	2	0.00	....
Flint	21.60	30.80	23.90	25.43	1	54	..	.....	27	*j* 0	26	6.00	....
Grand Rapids	23.10	28.39	24.45	25.31	1	56	1	51.33	24	*k* 5	24	6.33	6.1
Monroe, [Whelpley]	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.9
St. James	22.88	25.59	21.98	23.48	1	46	1	44.67	28	2	24 27	3.67	8.1
Saugatuck	29.22	34.35	30.71	31.43	1	59	1	54.00	25	10	24	13.67	8.0
INDIANA—													
Milton	26.38	34.02	28.65	29.68	15	55	14	47.85	26	— 8	26	0.66	5.8
New Harmony	29.45	39.35	32.58	33.79	1	61	1	51.33	26	— 2	26	8.00	5.6

a Observations taken morning, 2 p. m., and evening.
b Same temperature on the 25th.
c Same temperature on the 16th.
d Same temperature on the 30th and 31st.
e Observations taken at 6 a. m., 1 p. m., and 9 p. m.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Same temperature on the 27th.
h Observations taken at 9 a. m., 3 p. m., and 9 p. m.
i Same temperature on the 15th.
j Same temperature on the 26th.
k Same temperature on the 25th and 29th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
ILLINOIS—	°	°	°	°		°		°		°		°	
Athens	21.64	33.45	25.19	26.76	1	63	1	52.67	26	—20	25	— 7.00	5.4
Augusta	18.99	30.22	22.80	24.00	1	64	1	51.67	30	—16	25, 26	— 6.00	4.9
Manchester (*a*)	20.92	34.05	24.33	26.43	1	64	1	51.33	26	—17	26	—11.00	5.6
Ottawa	22.25	31.67	23.66	25.86	1	63	2	56.33	....	—10	24	— 3.00	4.6
Upper Alton	24.42	36.00	29.57	30.00	1	62	1	52.67	26	— 8 *b*	24	0.33	3.5
MISSOURI—													
St. Louis	27.60	37.20	31.37	32.06	1	64	1	54.17	30	— 4	25	2.50	4.9
WISCONSIN—													
Beloit	18.61	26.61	21.00	22.07	1	57	1	50.67	24	—15	24	— 9.33	4.0
Janesville	15.06	25.10	20.13	20.10	1	57	1	45.67	23, 24	—18	24	—11.33	4.4
Milwaukee, [Winkler]	18.69	26.21	20.71	21.87	1	55	1	47.67	24	—14	24	— 8.67	5.5
Milwaukee, [Pomeroy]	19.00	26.39	19.39	21.59	1	55	1	41.33	24	—14	24	— 7.00	....
Platteville	15.19	23.55	16.74	18.49	1	50	8	45.67	24	—22	23	—14 67	6.1
Superior	8.35	18.40	11.30	12.68	1	42	1	37.67	24	—25	24	—17.00	5.8
IOWA—													
Dubuque	18.83	25.24	20.81	21.63	1	55	8	46.67	23	—13 *c*	23	— 9.33	5.4
Fairfield	.....	.....	.....	22.00	....	56	....	.....	....	—16	..	.....	....
Fort Madison (*d*)	18.39	28.94	24.74	24.02	1	60	8	51.00	30	—18	23	— 7.00	8.4
Muscatine	17.52	27.16	19.00	21.23	....	60	1	45.67	....	—19	23	— 9.00	5.8
Pella	13.48	23.87	15.90	17.75	1	54	8	46.33	29	—16	24	—11.33	....
Poultney	13.03	23.39	16.06	17.49	1	51	8	41.33	30	—18	23	—13.67	6.3
Quisqueton	13.30	22.99	15.00	17.10	1	52	8	44.10	30	—17	23	—13.50	5.8
MINNESOTA—													
Red Wing	6.25	17.90	9.04	11.06	1	45	1	39.56	24	—28	24	—20.00	4.4
Lac qui Parle	6.35	14.13	5.97	8.82	4	42	7	35.33	23	—22 *e*	23	—19.33	3.6
MEXICO—													
Mirador (*f*)	.....	.....	.....	62.96	....	.....	....	70.04	....	.....	....	50.54	....
WEST INDIES—													
Up Park Camp, Jamaica (*g*)	80.72	85.14	.....	82.93	16	89½	28	86.25	13	75	13	76.25	4.9
EASTERN CONTINENT—													
Mosul, Mesopotamia	.....	.....	.....	53.65	....	68	....	.....	....	34	....	.....	....

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 30th.
c Same temperature on the 24th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Same temperature on the 29th.
f Hours of observation not given.
g Observations taken at 9½ a. m. and 3½ p. m.

No. 26.—PSYCHROMETER, JANUARY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
St. Martin	.084	.125	.100	7	.218	15	.010	91	89	92	34	59	69
St. Martin (*a*)	.095	.137	.108	7	.236	14	.020	91	89	91	84	70	80
Toronto (*b*)	------	------	------	---	------	---	------	------	------	------	------	------	------
VERMONT—													
Burlington	.095	.108	.095	7	.272	12	.000*c*	68	60	69	00	00	46
MASSACHUSETTS—													
Amherst	.133	.150	.135	22	.386	14	.053	93	85	91	74	54	61
Nantucket	.168	.168	.175	7	.341	14	.040	76	65	77	46	33	45
New Bedford	.159	.186	.164	7	.362	4	.036	95	82	91	84	62	15
Newburyport	.122	.134	.128	7	.343	14	.003	65	61	66	04	04	15
North Attleboro'	.147	.162	.147	15	.411	11	.031	83	74	85	40	38	44
Princeton	.110	.119	.116	2	.401	1	.000*d*	81	83	78	00	38	00
Westfield	.119	.138	.117	22	.325	14	.008	79	77	76	40	12	34
Williamstown	.130	.154	.129	22	.348	10	.050	91	87	87	57	44	36
Worcester	.092	.131	.097	---	------	---	------	54	73	61	00	00	00
CONNECTICUT—													
Pomfret	.138	.173	.141	22	.403	14	.048	93	89	93	78	62	76
NEW YORK—													
New York city	.144	.150	.144	7	.315	14	.026	76	77	80	39	33	55
Penn Yan (*e*)	------	.132	------	4	.272	23	.080	------	72	------	------	50	------
NEW JERSEY—													
Bloomfield	.148	.157	.149	7	.361	14	.037	85	72	84	45	42	57
PENNSYLVANIA—													
Lima	.156	.163	.157	7	.437	24	.044	85	70	85	52	35	34
Norristown	.134	.150	.127	4	.248	23	.042	77	69	70	36	44	44
Philadelphia	.159	.167	.162	7	.429	14	.052	84	72	79	66	36	54
MARYLAND—													
Frederick	.151	.170	.162	7	.414	24	.070*f*	87	71	82	61	39	47
DISTRICT OF COLUMBIA—													
Washington	.168	.188	.189	7	.436	14	.071	88	72	87	40	36	54
VIRGINIA—													
Alexandria	.163	.202	.174	---	------	---	------	89	76	82	71	47	00
NORTH CAROLINA—													
Thornbury	.178	.199	.201	7	.490	23	.058	80	50	72	38	19	29
SOUTH CAROLINA—													
Aiken	.228	.281	.293	6	.577	17	.000	80	58	77	40	00	43
All Saints	.251	.290	.298	7	.537	23	.045	82	59	83	45	16	40
Camden	.214	.270	.246	7	.516	26	.088	87	59	78	53	31	49
Charleston (*g*)	------	------	------	---	------	---	------	------	------	------	------	------	------
GEORGIA—													
Augusta	.251	.314	.276	7	.612	14	.042	83	72	75	31	36	10
Savannah	.266	.286	.299	5	.526	27	.080	79	53	74	46	18	35
FLORIDA—													
Jacksonville	.331	.446	.375	7	.641	31	.097	86	74	89	58	39	80
ALABAMA—													
Auburn	.233	.272	.339	8	.626	30	.047	75	53	65	28	08	32
Tuscaloosa	.242	.326	.262	21	.512	29	.061	83	54	73	49	26	36
MISSISSIPPI—													
Oxford	.227	.258	.239	6	.556	30	.063	87	70	78	55	28	36
LOUISIANA—													
New Orleans	.331	.341	.355	6	.662	14	.026	83	60	78	10	26	27
TEXAS—													
Austin	.240	.247	.277	6	.563	22	.000*h*	83	47	80	45	00	34
New Wied	.268	.366	.279	6	.595*h*	16	.000	78	61	76	37	00	00

*The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c, see table of the thermometer for this month.

a These values are derived from the same observations as the preceding, by using the reductions of the observer, which were made by means of a different set of tables.
b Mean force of vapor for the month, .125; mean humidity, 82.
c Same amount on the 14th.
d Same amount on the 15th and 24th.
e Observation taken only at 2 p. m.
f Same amount on the 27th.
g Mean force of vapor for the month, .292, computed approximately from the mean dew point.
h Same amount on the 1st.

No. 26.—PSYCHROMETER, JANUARY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
TENNESSEE—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches.*						
Glenwood	.187	.192	.202	10	.445	26	.043	80	58	77	41	14	44
Knoxville	.199	.218	.231	11	.411	12	.071	88	68	85	62	14	46
KENTUCKY—													
Springdale	.157	.201	.195	5	.374	30	.045	85	75	81	54	34	49
OHIO—													
Gallipolis	.163	.222	.187	6	.464	27	.045	84	74	81	76	44	57
Germantown	.135	.157	.143	6	.373	13	.047	90	72	82	50	43	40
Hillsborough	.156	.185	.165	12	.376	27	.054	90	82	89	56	41	58
Zanesville	.138	.176	.152	12	.391	27	.022	78	71	80	35	30	38
MICHIGAN—													
Ann Arbor, [Winchell]	.116	.130	.128	6	.325	22	.035	90	79	87	70	52	60
INDIANA—													
Madison	.168	.220	.184	6	.559	31	.065	89	84	86	64	58½	60
New Harmony	.176	.204	.203	6	.448*a*	22	.058	93	79	94	55	46	63
ILLINOIS—													
Manchester	.146	.192	.160	6	.420	23	.036	94	88	94	63	56	60
Upper Alton (*b*)	.253	.373	.286	2	.549	20	.143	89	92	86	73	85	72
MISSOURI—													
St Louis	.144	.169	.157	5	.390	22	.041	77	63	73	49	23	39
IOWA—													
Dubuque	.114	.119	.117	2	.297	22	.022	89	70	85	58	11	39
CALIFORNIA—													
Sacramento, [Logan] (*c*)	------	------	-----	----	.294	----	.167	------	------	------	------	------	------
Sacramento, [Hatch] (*d*)	------	------	------	----	.336	----	.134	------	------	------	------	------	------

a Same amount on the 12th.
b Incomplete.
c Mean force of vapor, .230, computed approximately from the mean dew point for the month.
d Mean force of vapor, .221; mean humidity, 73; max., 89; min., 55. The means are computed approximately from the mean dew point for each day.

No. 27.—PSYCHROMETER, FEBRUARY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
BRITISH AMERICA—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches*						
St. Martin	.063	.102	.078	18	.212	7	.002	85	85	88	22	63	46
St. Martin (*a*)	.071	.112	.090	18	.226	7	.003	83	85	89	29	68	78
Toronto (*b*)	------	------	------	----	------	----	-----	------	------	------	------	------	------
VERMONT—													
Burlington	.064	.077	.071	15	.241	4	.000 *c*	62	50	60	00	00	00
MASSACHUSETTS—													
Amherst	.095	.114	.104	15	.254	7	.020	95	81	93	81	50	68
Nantucket	.113	.106	.120	15	.276	11	.000 *d*	69	54	74	00	00	59
New Bedford	.100	.126	.105	15	.228	6	.024	85	75	83	59	51	60
Newburyport	.075	.084	.085	15	.237	7	.000	59	54	61	11	15	04
North Attleboro'	.080	.093	.091	15	.256	15	.000	80	67	77	00	30	47
Princeton	.079	.083	.068	16	.211	24	.000	84	71	65	00	26	14
Westfield	.075	.089	.085	16	.228	11	.000	65	64	67	00	35	04
Williamstown	.093	.103	.093	15	.208	11	.000	94	86	94	60	63	74
Worcester	.139	.220	.181	15	.248	3	.000 *e*	45	56	49	00	00	00
CONNECTICUT—													
Pomfret	.100	.122	.099	15	.238*f*	26	.045	95	87	90	76	53	76
NEW YORK—													
New York city	.098	.113	.100	15	.226	3	.006	77	72	70	36	35	10
Penn Yan (*g*)	------	.119	------	14	.260	4	.045	------	68	------	------	60	------
NEW JERSEY—													
Bloomfield	.093	.112	.105	15	.239	6	.005	79	66	77	57	28	17
PENNSYLVANIA—													
Lima	.097	.105	.106	14	.299	3	.029	78	62	75	46	23	44
Norristown	.087	.099	.090	14	.278	6	.000 *h*	62	53	59	00	02	00
Philadelphia	.102	.116	.113	14	.305	6	.013	77	64	72	45	23	44
MARYLAND—													
Frederick	.107	.120	.113	14	.258	10	.030	81	66	74	64	39	41
DISTRICT OF COLUMBIA—													
Washington	.113	.112	.103	14	.403	27	.039 *i*	78	60	77	38	37	46
VIRGINIA—													
Alexandria	.069	.152	.131	14	.373	10	.018	81	82	79	26	58	63
NORTH CAROLINA—													
Thornbury	.130	.116	.127	----	------	----	------	78	49	66	37	00	35
SOUTH CAROLINA—													
Aiken	.184	.224	.213	8	.537	26	.076	77	52	69	48	19	40
All Saints	.199	.226	.228	8	572	3	.090 *i*	71	57	79	50	24	28
Camden	.158	.182	.180	8	.420*j*	9	.048	84	47	71	13	10	38
Charleston (*k*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Augusta (*l*)	.230	.322	.248	8	.487	12	.035	80	80	73	10	50	32
Savannah	.209	.203	.221	8	.551	27	.068	75	44	63	43	16	29
FLORIDA—													
Jacksonville	.282	.380	.320	8	.678	1	.148	86	70	88	66	51	71
ALABAMA—													
Auburn	.158	.159	.167	8	.491	12	.054	68	41	57	40	08	22
Greene Springs	.200	.237	.198	23	.570	28	.087	81	54	69	58	07	34
Tuscaloosa	.182	.180	.179	7	.526	3	.041	79	46	66	56	12	43
MISSISSIPPI—													
Oxford	.160	.178	.183	22	.429	28	.071	85	57	73	61	30	40
LOUISIANA—													
New Orleans	.266	.264	.301	23	.612	26	.120	86	57	81	58	31	46

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .088; mean humidity, 80.
c Same amount on the 5th, 6th, 22d, and 24th.
d Same amount on the 17th.
e Same amount on the 6th, 7th, 24th, 25th, 26th, and 27th.
f Same amount on the 16th.
Observation taken only at 2 p. m.
h Same amount on the 7th.
i Same amount on the 28th.
j Same amount on the 13th.
k Mean force of vapor, .224, computed approximately from the mean dew point.
For the first 14 days of the month only.

No. 27.—PSYCHROMETER, FEBRUARY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches*						
TEXAS—													
Austin	.220	.263	.286	22	.529	26	.103	90	54	85	58	18	48
New Wied	.240	.341	.319	5	1.024	26	.029	79	62	87	25	13	28
TENNESSEE—													
Glenwood	.136	.133	.144	7	.413	26	.059	83	54	67	42	26	25
Knoxville	.139	.149	.135	8	.399	3	.053	78	51	67	37	25	10
KENTUCKY—													
Springdale	.114	.154	.152	13	.322	26	.033	85	79	84	60	42	62
OHIO—													
Gallipolis	.107	.163	.125	13	.443	24	.000	82	81	80	64	00	53
Germantown	.094	.110	.102	13	.244	26	.038	91	71	83	76	49	51
Hillsborough	.108	.130	.136	7	.289*a*	26	.048	100	84	97	87	47	67
Cincinnati, [Hurtt]	.080	.108	.110	11	.214	7	.017	68	60	68	41	10	29
MICHIGAN—													
Ann Arbor, [Winchell]	.081	.097	.083	13	.221	6	.023	96	83	92	77	59	64
INDIANA—													
Madison	.130	.154	.148	12	.315*a*	27	.054	88	79	87	74	52	65
New Harmony	.131	.154	.148	7	.377	26	.054	95	68	94	61	30	70
ILLINOIS—													
Manchester	.108	.138	.135	21	.262	4	.028	93	85	100	31	49	100
MISSOURI—													
St. Louis	.114	.121	.127	12	.298	25	.041	80	57	74	55	25	47
IOWA—													
Dubuque	.079	.102	.090	12	.199	26	.033	90	74	88	66	44	62
CALIFORNIA—													
Sacramento, [Logan] (*b*)	------	------	------	----	.381	----	.098	------	------	------	------	------	------
Sacramento, [Hatch] (*c*)	------	------	------	----	.437	----	.102	------	------	------	------	------	------

a Same amount on the 13th.

b Mean force of vapor, .261, computed approximately from the mean dew point for the month.

c Observations taken at sunrise, 3 p. m., and 10 p. m.; mean force of vapor, .266; mean humidity, 66; max., 92; min., 30. The means are computed approximately from the mean dew point for each day.

No. 28.—PSYCHROMETER, MARCH, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches*		*Inches.*		*Inches*						
St. Martin	.091	.156	.111	31	.302	1	.034	89	82	84	66	38	26
St. Martin (*a*)	.102	.167	.107	5	.312	1	.040	85	79	82	70	56	63
Toronto (*b*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
VERMONT—													
Burlington	.088	.101	.103	2	.174	31	.016	68	51	67	43	04	46
MASSACHUSETTS—													
Amherst	.133	.139	.136	7	.268	1	.060	86	69	81	63	33	62
Nantucket	.141	.139	.161	31	.261	25	.074	68	56	78	45	32	46
New Bedford	.138	.173	.150	31	.255	1	.052	79	68	84	53	51	66
Newburyport	.122	.131	.134	6	.217	1	.054	70	53	72	52	25	32
North Attleboro'	.108	.113	.115	29	.250	30	.037	68	49	67	47	07	39
Princeton	.096	.103	.093	26	.181	20	.031	68	56	62	43	24	24
Westfield	.099	.112	.115	30	221	24	.034	66	50	65	38	24	30
Williamstown	.131	.154	.140	5	.261	1	.059	92	82	87	66	48	64
Worcester	.099	.139	.116	15	.261	25	.004	62	64	63	05	19	11
CONNECTICUT—													
Pomfret	.124	.155	.134	31	.242	1	.057	83	70	81	52	42	57
NEW YORK—													
New York city	.135	.152	.140	31	.224	1	.013	72	66	69	15	35	29
Penn Yan (*c*)	.....	.125	.....	30	.190	7	.064	.....	61	.....	.....	29	.....
NEW JERSEY—													
Bloomfield	.118	.151	.147	16	.263	11	.054	67	58	72	36	22	41
PENNSYLVANIA—													
Lima	.137	.136	.146	15	.305	10	.053	71	52	69	31	24	35
Norristown	.149	.182	.166	31	.491	26	.030	76	67	75	08	14	44
Philadelphia	.143	.152	.162	15	.298	1	.066	71	53	65	47	27	43
Pottsville (*d*)	.....	.132	.....	31	.256	4	.036	.....	57	.....	.....	15	.....
MARYLAND—													
Frederick	.139	.159	.152	15	.310	30	.000	71	56	65	23	00	36
DISTRICT OF COLUMBIA—													
Washington	.166	.159	.191	6	.383	29	.044	72	51	75	24	11	34
VIRGINIA—													
Alexandria	.181	215	.209	5	.433	3	.046	80	68	82	30	39	56
NORTH CAROLINA—													
Thornbury	.208	.187	.205	15	.532	10	.046	76	42	62	43	12	29
SOUTH CAROLINA—													
Aiken	.260	.246	.269	15	.621	28	.038	74	41	57	47	09	19
All Saints	.290	.309	.307	17	.638	9	.081	82	53	75	49	18	17
Camden	.249	.267	.266	17	.612	9	.073	79	46	65	50	11	35
Charleston (*e*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
GEORGIA—													
Augusta (*d*)	.333	.325	.264	6	.733	25	.071	86	68	66	56	26	15
Savannah	.298	.277	.313	17	.633	2	.061	74	40	58	37	11	24
FLORIDA—													
Jacksonville	.381	.523	.402	16	.942	21	.000	81	69	82	00	44	49
ALABAMA—													
Auburn	.236	.220	.244	15	.652	27	.030	64	32	50	28	07	15
Greene Springs	.260	.311	.282	15	.798	25	.058	72	47	60	31	16	21
Tuscaloosa	.248	.234	.260	16	.627	1	.064	72	36	58	42	12	25
MISSISSIPPI—													
Oxford (*d*)	.242	.318	.272	11	.799	2	.019	78	55	70	12	31	34
LOUISIANA—													
New Orleans	.368	.343	.367	17	.752	27	.103	84	52	72	48	16	35
TEXAS—													
Austin	.286	.263	.375	----	.....	----	.....	84	37	84	43	00	42
New Wied (*d*)	.297	.569	.435	7	1.173	1	.076	72	60	84	28	24	33

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .132; mean humidity, 81.
c Observations taken only at 2 p. m.
d Incomplete.
e Mean force of vapor, .295; computed approximately from the mean dew point.

No. 28.—PSYCHROMETER, MARCH, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p.m.	9p. m.
TENNESSEE—	*Inches.*	*Inches.*	*Inches.*		*Inches*		*Inches*						
Glenwood	.172	.173	.201	12	.506	28	.051	70	42	62	24	14	29
Knoxville	.185	.197	.199	----	-----	----	-------	77	41	60	33	16	00
Lebanon	.161	.176	.194	----	------	----	------	55	44	52	00	20	00
KENTUCKY—													
Springdale	.162	.210	.206	11	.435	1	.057	84	72	78	55	37	50
OHIO—													
Gallipolis	.181	.205	.181	7	.342	1	.063	81	62	73	62	15	45
Germantown	.139	.167	.144	13	.320	1	.059	82	54	76	48	26	46
Hillsborough	.162	.177	.164	11	.348	19	.070	89	69	77	49	30	40
MICHIGAN—													
Ann Arbor, [Winchell]	.115	.129	.122	2	.228	24	.049	81	67	77	38	37	38
INDIANA—													
Madison	.180	.219	.202	11	.464	1	.082	81	75	79	67	51	52
New Harmony	.150	.197	.205	12	.556	1	.071	89	60	88	52	32	39
ILLINOIS—													
Manchester	.158	.203	.194	11	.469	1	.062	90	77	93	06	52	68
MISSOURI—													
St. Louis	.146	.168	.171	11	.440	20	.040	71	52	65	44	20	37
IOWA—													
Dubuque	.127	.157	.150	6	.802	24	.096	82	69	84	60	31	60
CALIFORNIA—													
Sacramento, [Logan] (*a*)	------	-----	------	----	.500	----	.181	------	------	------	------	------	------
Sacramento [Hatch] (*b*)	------	------	------	----	.478	----	.120	------	------	------	------	------	------
WESTERN AFRICA—													
Nèngenènge	.874	.987	.928	3	1.128	24	.744	91	88	90	78	68	72

a Mean force of vapor, .301; computed approximately from the mean dew point.

b Mean force of vapor, 342; mean humidity, 73; max., 93; min., 39. The means are computed approximately from the mean dew point for each day.

No. 29.—PSYCHROMETER, APRIL, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches*		*Inches.*						
BRITISH AMERICA—													
St Martin	.160	.241	.190	24	.489	2	.047*a*	81	72	75	46	44	55
St Martin (*b*)	.181	.272	.204	24	.421	2	.062	86	74	84	71	49	65
Toronto (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
VERMONT—													
Burlington	.171	.188	.173	24	.436	28	.025	67	48	63	42	09	40
MASSACHUSETTS—													
Amherst	.211	.235	.217	19	.503	2	.066	87	65	81	53	26	49
Nantucket	.196	.193	.216	19	.350	8	.060	68	54	80	22	35	20
New Bedford	.221	.276	.244	----	------	----	------	84	70	89	71	43	00
Newburyport	.172	.191	.191	18	.325	7	.063	69	57	73	32	15	36
North Attleboro'	.172	.165	.181	25	.388	28	.005	64	46	66	20	02	24
Princeton	.155	.163	.165	----	------	----	------	66	53	71	00	13	36
Westfield	.168	.214	.184	25	.576	2	.051	71	55	65	40	15	35
Williamstown	.202	.246	.246	18	.460	4	.056	87	73	86	39	17	66
Worcester	.168	.214	.197	18	.472	7	.000	69	59	72	25	24	00
CONNECTICUT—													
Pomfret	.209	.262	.217	18	.529	2	.074	86	69	84	57	41	48
NEW YORK—													
New York city	.218	.237	.218	19	.488	1	.040	75	61	70	36	22	18
Penn Yan (*d*)	------	.238	------	18	.563	27	.079	------	56	------	------	21	------
Spencertown	.202	.247	.181	16	.473	2	.019*e*	77	69	67	45	35	06
NEW JERSEY—													
Bloomfield	.203	.268	.263	19	.667	14	.051	73	61	77	12	19	47
PENNSYLVANIA—													
Lima	.254	.261	.255	24	.482	3	.064	76	52	73	39	12	39
Norristown	.271	.328	.304	24	.671	11	.105	80	72	80	37	22	42
Philadelphia	.246	.281	.281	18	.557	2	.072	72	54	67	44	22	34
Pottsville	.193	.235	.229	18	.510	1	.051	68	52	72	35	09	29
MARYLAND—													
Frederick	.250	.280	.280	18	.648	3	.060	71	46	65	32	22	37
DISTRICT OF COLUMBIA—													
Washington	.271	.292	.297	----	------	----	------	75	48	66	26	00	37
VIRGINIA—													
Alexandria	.313	.397	.354	24	.668	2	.063	84	66	77	33	18	44
NORTH CAROLINA—													
Thornbury	.277	.291	.304	18	.604	3	------	73	36	62	27	11	33
SOUTH CAROLINA—													
Aiken	.364	.384	.381	30	.772	11	.112*f*	66	43	58	34	19	28
All Saints	.431	.452	.447	19	.759	11	.114	84	61	78	59	21	59
Camden	.367	.366	.405	17	.574	3	.100	73	41	65	34	19	30
Charleston (*g*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Savannah	.441	.440	.471	22	.664	12	.176	77	48	75	55	25	47
FLORIDA—													
Jacksonville	.542	.664	.583	19	.997	9	.185	82	70	88	15	52	62
ALABAMA—													
Auburn	.358	.286	.328	----	------	----	------	64	31	48	21	00	15
Greene Springs	.486	.554	.484	15	.882	11	.168	75	52	68	39	36	36
MISSISSIPPI—													
Oxford	.415	.463	.401	18	.891	21	.123	69	53	61	30	19	18
LOUISIANA—													
New Orleans	.526	.491	.567	30	.778	12	.242	88	51	78	45	24	49
TEXAS—													
Austin	.505	.443	.505	19	.658*h*	6	.225	89	41	75	66	22	41
New Wied	.578	.776	.587	23	1.296	7	.181	80	67	83	75	20	60

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a Same amount on the 3d.
b For note on this place see table No. 26.
c Mean force of vapor for the month, .208. Mean humidity, 75.
d Observations taken only at 2 p. m.
e Same amount on the 9th.
f Same amount on the 12th.
g Mean force of vapor, .491; computed approximately from the mean dew point.
h Same amount on the 30th.

No. 29.—PSYCHROMETER, APRIL, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches.*						
TENNESSEE—													
Glenwood	.321	.313	.329	14	.567	2	.093	72	41	60	45	19	28
Knoxville	.312	.264	.307	16	.512	1	.000	68	39	59	26	00	24
OHIO—													
Gallipolis	.300	.382	.331	18	.731	7	.096	69	51	67	43	13	48
Germantown	.277	.269	.297	30	.543	2	.029	72	40	73	26	18	35
Hillsborough	.279	.274	.266	30	.556	6	.016	73	43	59	44	04	31
MICHIGAN—													
Ann Arbor, [Winchell]	.234	.241	.248	30	.556	2	.069	73	49	68	46	22	37
INDIANA—													
Madison	.316	.352	.345	----	------	----	------	75	52	67	45	24	00
New Harmony	.319	.342	.379	13	.644	2	.100	75	47	75	42	26	41
ILLINOIS—													
Manchester	.312	.474	.355	29	.884	2	.130	79	61	74	58	34	43
Ottawa	.333	.618	.385	18	1.228	2	.106	90	86	94	47	65	79
Upper Alton	.368	.607	.386	30	.942	22	.000	78	74	70	02	44	25
MISSOURI—													
St Louis	.259	.292	.292	19	.586	2	.069	53	40	53	31	17	32
IOWA—													
Dubuque	.267	.249	.297	17	.662	9	.047	71	39	62	37	12	28
Muscatine	.256	.370	.305	30	.719	10	.061	72	51	73	34	28	32

No. 30.—PSYCHROMETER, MAY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
St. Martin	.257	.403	.286	24	.710	10	.147	78	60	71	53	28	41
St. Martin (*a*)	.286	.431	.308	24	.692	10	.167	82	64	75	68	42	59
Toronto (*b*)	------	------	------	---	------	---	------	-----	------	------	------	------	------
MAINE—													
Gardiner	.313	.339	------	---	------	---	------	80	61	------	36	45	------
VERMONT—													
Burlington	.225	.286	.231	16	.543	7	.077	57	43	52	24	23	31
MASSACHUSETTS—													
Amherst	.300	.287	.292	24	.590	10	.115	81	44	71	56	22	39
Nantucket	.271	.252	.288	25	.420	10	.097	71	55	82	39	14	56
New Bedford	.332	.373	.330	13	.571	27	.163	87	67	91	68	26	73
Newburyport	.258	.278	.285	24	.570	10	.121	69	52	73	35	19	23
North Attleboro'	.243	.223	.240	24	.534	7	.076	62	38	70	25	13	28
Princeton	.213	.228	.234	24	.504	11	.051	62	45	63	32	09	22
Westfield	.243	.255	.272	30	.485*c*	10	.105	68	38	64	47	17	34
Williamstown (*d*)	.286	.310	.302	25	.502	10	.153	85	64	74	64	40	49
Worcester	.239	.270	.261	16	.627	3	.029	62	46	67	25	05	39
CONNECTICUT—													
Pomfret	.307	.373	.300	24	.666	9	.164*e*	84	63	83	58	43	50
NEW YORK—													
New York city	.305	.305	.308	24	.657	9	.129	68	50	67	43	25	31
Penn Yan (*f*)	------	.275	------	18	.496	6	.149	----	48	------	------	14	------
Spencertown	.272	.303	.247	19	.639	9	.103	72	52	73	52	22	38
NEW JERSEY—													
Bloomfield	.296	.361	.340	24	.698	11	.149	70	52	75	40	22	33
PENNSYLVANIA—													
Lima	.310	.279	.321	24	.672	4	.058	70	42	67	39	10	36
Norristown	.285	.295	.284	---	------	---	------	74	47	62	45	12	00
Philadelphia	.326	.321	.340	24	.704	5	.124	68	43	60	41	16	41
Pottsville	.240	.276	.274	24	.650	21	.052	63	42	66	32	16	32
MARYLAND—													
Frederick	.313	.339	.345	24	.684	8	.092	62	41	61	33	18	30
DISTRICT OF COLUMBIA—													
Washington	.376	.372	.403	24	.785	4	.137	78	46	68	44	21	39
VIRGINIA—													
Alexandria	.385	.451	.415	24	.937	11	.221	75	57	73	47	32	54
SOUTH CAROLINA—													
Aiken	.508	.548	.500	24	.836	9	.221	77	55	62	54	34	44
All Saints	.555	.572	.565	24	.873	9	.194	81	63	78	48	32	46
Camden	.491	.502	.502	23	.751	8	.216	74	50	68	49	31	31
Charleston (*g*)	------	------	------	---	------	---	------	-----	------	------	------	------	------
GEORGIA—													
Savannah	.582	.547	.586	23	.886	9	.217	66	47	74	42	30	53
FLORIDA—													
Jacksonville	.681	.791	.713	24	1.197	12	.325	84	67	88	59	45	61
ALABAMA—													
Auburn	.501	.356	.440	---	------	---	------	69	32	55	49	00	28
Greene Springs	.598	.588	.621	---	------	---	------	76	44	68	54	00	53
MISSISSIPPI—													
Oxford	.600	.624	.546	12	.990	10	.150	67	61	73	37	33	20
LOUISIANA—													
New Orleans	.669	.641	.705	29	.851	9	.340	89	53	79	53	39	64
TEXAS—													
Austin	.608	.549	.605	16	.863	3	.371	88	43	68	56	27	52
New Wied	.732	.893	.684	18	1.805	2	.464	85	58	82	76	33	66

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .258. Mean humidity, 65.
c Same amount on the 31st.
d Incomplete.
e Same amount on the 10th.
f Observations taken only at 2 p. m.
g Mean force of vapor, .6.2; computed approximately from the mean dew point.

No. 30.—PSYCHROMETER, MAY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
TENNESSEE —													
Glenwood	.439	.473	.483	22	.723	11	.154	84	54	78	46	21	58
Knoxville	.434	.430	.440	24	.730	5	.119	76	47	70	53	17	48
KENTUCKY—													
Springdale	.390	.587	.515	24	1.366	8	.155	92	65	78	76	34	41
OHIO—													
Gallipolis	.419	.500	.534	23	.813	4	.181	73	56	74	53	24	43
Germantown	.365	.366	.377	22	.746	9	.134	74	45	77	36	20	40
Hillsborough	.381	.427	361	22	.792	4	.149	81	56	69	58	28	40
MICHIGAN—													
Ann Arbor, [Winchell]	.265	.275	.265	30	.575	6	.115	59	40	60	28	18	32
INDIANA—													
Madison	.434	.481	.474	22	.881	8	.175	77	56	71	43	35	46
New Harmony	.444	.492	.495	22	.874	8	.164	79	55	82	49	13	61
ILLINOIS—													
Manchester	.430	.573	.441	22	1.029	8	.170	82	67	82	64	43	48
Ottawa	.466	.727	.448	22	1.445	9	.169	87	85	91	54	44	52
Upper Alton	.465	.660	.512	21	1.111	7	.169	89	82	83	75	49	54
MISSOURI—													
St. Louis	.416	.463	.448	22	.814	8	.065	71	54	71	44	09	50
WISCONSIN—													
Madison	.266	.268	.250	22	.691	7	.035	45	39	40	23	09	10
IOWA—													
Dubuque	.314	.346	.336	21	.789	26	.099	62	45	58	28	21	16
Muscatine	.332	476	.359	21	.850	9	.120	78	61	73	53	32	45
WESTERN AFRICA—													
Nèngenèuge	.880	1.004	.963	7	1.151	15	.732	93	87	91	78	65	73

No. 31.—PSYCHROMETER, JUNE, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches*						
BRITISH AMERICA—													
St Martin	.410	.525	.427	30	1.074	16	.194	83	71	81	56	35	49
St Martin (*a*)	.420	.537	.445	29	.940	17	.2-3	85	72	85	61	47	64
Toronto (*b*)	------	------	------	---	------	---	------	------	------	------	-----	------	------
MAINE —													
Gardiner	.553	.630	-----	---	------	---	------	92	79	------	71	47	------
VERMONT—													
Burlington	.425	.507	.421	30	.860	12	.221	76	54	75	57	35	54
MASSACHUSETTS—													
Amherst	.493	.513	.496	30	.852	17	.242	89	65	86	50	36	61
Nantucket	.425	.451	.444	29	.704	21	.190	72	65	86	29	42	75
New Bedford	.527	.549	.542	30	.819	18	.269	87	73	91	54	46	70
Newburyport	.437	.444	.430	28	.729	17	.191	76	57	75	43	24	50
North Attleboro'	.434	.431	.441	28	.747	17	.152	73	55	80	43	18	59
Princeton	.384	.395	.408	30	.499	6	.173	76	58	78	35	26	36
Westfield	.419	.451	.442	30	.657	4	.222	85	58	78	56	33	56
Worcester	.430	.495	.423	30	.954	19	.133	73	65	74	33	39	43
CONNECTICUT—													
Pomfret	.488	.555	.494	30	.915	8	.282	89	76	89	70	53	50
NEW YORK—													
New York city	.485	.497	.494	28	.854	8	.217	75	61	75	51	24	44
Penn Yan (*c*)	------	.400	-----	30	.718	10	.159	-----	53	-----	-----	20	------
Spencertown (*d*)	.420	.506	.444	22	.856	1	.216	82	75	84	37	48	37
NEW JERSEY-													
Bloomfield	.482	.569	.517	28	.843	13	.269	83	64	85	58	35	52
PENNSYLVANIA—													
Lima	.525	.549	.545	29	.921	13	.258	82	63	89	60	39	69
Norristown	.459	.489	.482	29	.860	14	.234	77	59	72	42	32	36
Philadelphia	.523	.537	.576	30	1.059	12	.260	75	57	73	55	34	53
Pottsville	.422	.453	.471	29	.851	9	.000	73	53	79	00	25	31
MARYLAND—													
Frederick	.516	.555	.543	29	.937	4	.185	72	59	79	46	27	38
DISTRICT OF COLUMBIA—													
Washington	.551	.562	.597	29	.895	14	.270	83	60	81	59	27	48
VIRGINIA—													
Alexandria	.582	.656	.609	24	1.030	13	.303	82	69	85	58	42	68
SOUTH CAROLINA—													
Aiken	.627	.634	.626	19	.915	4	.323*e*	80	58	73	61	37	44
All Saints	.684	.718	.702	21	.904	14	.340	82	74	79	59	59	45
Camden	.603	.631	.621	23	.895	5	.270	75	56	78	32	37	62
Charleston (*f*)	------	------	------	---	------	---	------	------	------	------	-----	------	------
GEORGIA—													
Augusta (*g*)	.752	.895	.851	20	1.101	14	.403	86	83	82	67	43	59
Savannah	.690	.672	.688	24	.879	4	.295	79	56	78	57	31	52
FLORIDA—													
Jacksonville	.821	.889	.802	18	1.366	4	.537	89	79	90	71	50	81
ALABAMA—													
Auburn	.562	.488	.554	7	.827	4	.157	72	42	64	49	16	29
Greene Springs	.668	.690	.650	28	.891	2	.345	79	55	76	58	34	54
MISSISSIPPI—													
Oxford	.639	.642	.651	22	1.017	2	.309	84	63	84	41	40	59
LOUISIANA—													
New Orleans	.737	.739	.758	15	1.165	3	.296	88	62	82	51	30	35
TEXAS—													
Austin	.600	.564	.624	17	.772*h*	2	.349*i*	75	51	68	51	28	49
New Wied	.777	.922	.775	19	1.382	8	.447	83	63	89	60	29	60
TENNESSEE—													
Glenwood	.557	.568	.592	28	.849	4	.311	99	61	85	74	33	64
Knoxville	.517	.507	.519	17	.744*j*	4	.205	78	52	76	65	27	53

*The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .496; mean humidity, 78.
c Observations taken only at 2 p. m.
d For the first 25 days of the month only.
e Same amount on the 14th.
f Mean force of vapor .775, computed approximately from the mean dew point.
g Incomplete.
h Same amount on the 18th.
i Same amount on the 9th.
j Same amount on the 28th.

No. 31.—PSYCHROMETER, JUNE, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
Springdale	.487	.709	.613	26	1.242	3	.225	96	71	85	81	53	57
OHIO—													
Gallipolis	.554	.634	.640	28	.923*a*	3	.295	82	71	78	68	56	42
Germantown	.531	.550	.522	28	.825	3	.233	85	63	87	67	44	61
Hillsborough	.533	.587	.529	29	.913	12	.272	95	74	90	75	46	65
Zanesville	.520	.565	.582	29	1.078	13	.287	95	66	96	62	37	73
MICHIGAN—													
Ann Arbor, [Winchell]	.431	.442	.428	29	.832	11	.135	78	61	85	42	25	51
INDIANA—													
Madison	.549	.638	.598	30	1.074	2	.265	87	73	82	66	53	55
New Harmony	.605	.604	.606	27	.942	2	.338	82	62	84	58	45	66
ILLINOIS—													
Manchester	.540	.647	.569	28	1.051	13	.261	81	65	85	38	46	64
Ottawa	.633	.815	.615	16	1.427	1	.289*b*	94	90	95	79	77	87
Upper Alton	.568	.782	.575	17	1.269	3	.309	89	81	84	76	31	59
MISSOURI—													
St. Louis	.528	.526	.538	18	.860	10	.213	75	53	75	57	34	20
IOWA—													
Dubuque	.459	.478	.481	27	.921	3	.163	73	53	74	49	20	52
Muscatine	.531	.653	.536	28	1.005	2	.175	85	69	86	50	39	57
WESTERN AFRICA—													
Nèngenènge	.851	.964	.925	8	1.101	2	.745	93	90	92	90	87	87

a Same amount on the 29th.

b Same amount on the 3d.

No. 32.—PSYCHROMETER, JULY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches.*						
St. Martin (*a*)	.550	.637	.579	16	.814*b*	8	.326	82	61	86	69	44	67
St. Martin	.548	.621	.582	16	.876	8	.317	81	59	84	65	41	63
Toronto (*c*)	------	------	------	----	-----	----	------	------	------	------	------	------	------
MAINE—													
Gardiner	.721	.765	------	----	------	----	------	95	74	------	81	49	------
VERMONT—													
Burlington	.584	.625	.571	17	.956	8	.336	81	61	81	65	42	55
MASSACHUSETTS—													
Amherst	.646	.701	.647	18	.944	8	.401	94	73	91	84	48	62
Nantucket	.586	.589	.571	5	.958	9	.358	81	66	87	53	45	74
New Bedford	.629	.677	.635	19	.904	8	.398	88	80	93	66	56	79
Newburyport	.571	.585	.591	25	.762	9	.357	84	65	82	58	41	58
North Attleboro'	.603	.628	.571	17	.886	30	.134?	81	65	84	56	42	17
Princeton	.552	.569	.539	18	.817	8	.280	85	68	84	62	45	51
Westfield	.568	.587	.587	18	.873	22	.344	86	64	86	75	40	67
Worcester	.527	.574	.527	26	1.081	8	.276	71	62	70	45	32	45
CONNECTICUT—													
Pomfret	.655	.729	.649	17	1.038	8	.413	95	82	95	85	65	77
NEW YORK—													
New York city	.650	.671	.663	26	.881	8	.344	79	67	81	47	43	58
Penn Yan (*d*)	------	.573	------	30	.868	7	.274	------	62	------	------	39	------
NEW JERSEY—													
Bloomfield	.688	.722	.692	25	.915	8	.424	87	66	89	72	42	68
PENNSYLVANIA—													
Lima	.601	.608	.601	24	.961	8	.397	86	66	90	60	46	77
Norristown	.694	.688	.673	2	1.074	3	.331	85	65	82	74	24	68
Philadelphia	.714	.712	.740	25	.975	8	.395	80	62	74	55	43	57
Pottsville	.578	.605	.615	17	.923	8	.255	71	52	86	43	27	47
MARYLAND—													
Frederick	.691	.704	.710	24	.938	8	.381	78	59	81	61	42	63
DISTRICT OF COLUMBIA—													
Washington	.717	.721	.763	19	1.045	8	.309	83	60	82	63	39	61
VIRGINIA—													
Alexandria	.760	.799	.780	25	1.025	8	.320	86	68	86	58	55	53
SOUTH CAROLINA—													
Aiken	.764	.735	.754	25	.886	8	.610	83	60	79	71	48	60
All Saints	.848	.868	.847	16	.996	8	.617	86	77	85	77	62	73
Camden	.765	.742	.775	19	.859	8	.558	81	57	79	70	44	64
Charleston (*e*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Savannah	.804	.791	.809	15	.941	9	.581	82	57	80	70	42	67
FLORIDA—													
Jacksonville	.901	.947	.884	27	1.060*f*	12	.313	89	78	90	79	60	79
ALABAMA—													
Greene Springs (*g*)	.786	.827	.817	30	.997	5	.693	85	63	85	74	41	68
MISSISSIPPI—													
Oxford	.757	.774	.791	12	.931	6	.541	85	64	86	60	47	62
LOUISIANA—													
New Orleans	.808	.797	.830	14	.918	10	.664	90	72	86	78	47	64
TEXAS—													
Austin	.669	.559	.661	31	1.785	2	.385	84	42	68	53	31	52
New Wied (*g*)	.836	.988	.858	23	.619	11	.585	85	62	92	56	39	67
TENNESSEE—													
Glenwood	.708	.766	.757	30	1.266	5	.484	91	68	87	79	43	76
KENTUCKY—													
Springdale	.642	1.089	.851	16	1.647	5	.418	97	86	94	81	47	72

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Same amount on the 17th.
c Mean force of vapor for the month, .530; mean humidity, 79.
d Observations taken only at 2 p. m.
e Mean force of vapor, .967; computed approximately from the mean dew point.
f Same amount on the 30th.
g Incomplete.

No. 32.—PSYCHROMETER, JULY, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
OHIO—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches*						
Gallipolis	.715	.819	.783	17	1.070	8	.497	84	73	85	76	56	76
Germantown	.687	.677	.674	25	.897	7	.372	87	63	87	71	36	71
Hillsborough	.701	.753	.701	22	.918	8	.433	96	73	92	83	55	66
Zanesville	.700	.740	.735	18	.992	7	.423	96	64	95	80	37	67
MICHIGAN—													
Ann Arbor, [Winchell]	.578	.633	.589	18	.960	7	.316	83	67	89	65	41	72
INDIANA—													
New Harmony	.801	.834	.799	15	1.005	4	.547	86	67	87	75	51	60
ILLINOIS—													
Manchester	.681	.924	.722	8	1.242	1	.452	87	76	89	64	44	64
Ottawa	.728	.996	.712	18	1.459	1	.518	94	88	94	78	79	88
Upper Alton	.735	1.010	.752	16	1.296	1	.491	94	86	91	85	59	75
MISSOURI—													
St. Louis	.681	.683	.729	17	.904	1	.342	79	54	78	50	30	53
IOWA—													
Dubuque	.530	.562	.601	15	.839	1	.355	78	53	78	54	32	55
Muscatine	.626	.759	.642	31	1.283	4	.367	86	67	87	71	29	68
WESTERN AFRICA—													
Nèngenènge	.748	.891	.840	*a*	1.065	17	.682	91	90	91	90	82	82

a Same amount on the 8th.

No. 33.—PSYCHROMETER, AUGUST, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches*	*Inches.*	*Inches.*		*Inches*		*Inches*						
St. Martin (*a*)	.413	.552	.447	16	.804	30	.165	85	59	79	64	36	58
St. Martin	.434	.567	.474	16	.787	28	.192	85	63	84	70	44	70
Toronto (*b*)	------	------	------	----	------	---	------	------	------	------	------	------	------
MAINE—													
Gardiner (*c*)	.548	.580	------	----	------	---	------	93	70	------	70	37	------
VERMONT—													
Burlington	.458	.546	.461	9	.800	30	.229	81	63	76	62	38	50
MASSACHUSETTS—													
Amherst	.542	.543	.513	16	.827	12	.233	92	65	87	72	31	47
Nantucket	.505	.488	.487	17	.749	5	.182	70	59	78	35	25	37
New Bedford	.517	.542	.527	23	.819	18	.231	86	68	86	62	45	36
Newburyport	.451	.485	.493	17	.774	30	.170	81	55	79	59	25	57
North Attleboro'	.461	.484	.470	17	.774	31	.200	80	55	86	57	30	64
Princeton	.441	.448	.415	2	.762	30	.179	80	58	75	60	33	45
Westfield	.448	.517	.491	1	.907	27	.254	87	59	85	56	38	69
Worcester	.420	.566	.409	17	.950	31	.181	71	66	66	47	39	48
CONNECTICUT—													
Pomfret	.519	.612	.525	4	.856	31	.272	91	75	92	75	45	75
NEW YORK—													
New York city	.537	.553	.557	26	.742	31	.231	73	62	76	46	37	49
Penn Yan (*d*)	------	.498	------	3	.735	30	.220	------	59	------	------	36	------
Spencertown	.493	.586	.518	1	.996	31	.215	84	71	87	69	48	50
NEW JERSEY—													
Bloomfield	.544	.581	.555	1	.895	29	.289	86	60	85	62	32	54
PENNSYLVANIA—													
Lima	.577	.611	.578	9	.866	31	.273	86	67	88	58	40	61
Norristown	.548	.609	.571	23	.802	31	.255	82	67	82	57	49	56
Philadelphia	.603	.616	.619	17	.886	31	.297	75	62	72	55	39	49
Pottsville	.455	.503	.521	20	.800	25	.176	70	53	84	29	33	55
MARYLAND—													
Frederick	.609	.670	.650	2	.958	18	.343	86	65	88	57	47	63
DISTRICT OF COLUMBIA—													
Washington	.649	.645	.666	16	.911	19	.331	87	59	80	56	39	46
VIRGINIA—													
Alexandria	.714	.755	.713	16	.943	20	.365	88	72	88	54	53	55
SOUTH CAROLINA—													
Aiken	.763	.782	.761	14	.935	20	.483	85	65	80	78	53	62
All Saints	.824	.869	.834	25	1.016	20	.509	88	76	84	59	50	56
Camden	.767	.768	.754	13	.950	19	.451	85	60	81	73	43	59
Charleston (*e*)	------	------	------	----	------	---	------	------	------	------	------	------	------
GEORGIA—													
Savannah	.814	.811	.820	26	.989	19	.560	84	61	80	76	42	67
FLORIDA—													
Jacksonville	.913	1.012	.931	12	1.135*f*	10	.745*g*	91	80	91	70	66	83
ALABAMA—													
Auburn	.688	.666	.668	1	.826	19	.476	80	60	76	66	38	61
Greene Springs	.794	.817	.821	11	1.097	18	.595	87	68	83	65	48	56
MISSISSIPPI—													
Oxford (*h*)	.853	.835	.842	2	1.033	6	.631	91	68	90	78	43	79
Port Gibson (*h*)	.851	.869	.828	25	1.017	22	.545	87	71	77	77	45	47
LOUISIANA—													
New Orleans	.839	.807	.853	14	.958	19	.623	93	67	84	75	46	66
TEXAS—													
Austin	.713	.589	.660	1	.856	17	.449	85	46	65	69	27	43
New Wied	.886	1.047	.915	8	1.723	31	.731	89	71	94	74	44	68

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .444; mean humidity, 74.
c Incomplete.
d Observations taken only at 2 p. m.
e Mean force of vapor, .911; computed approximately from the mean dew point.
f Same amount on the 28th.
g Same amount on the 29th.
h Incomplete.

No. 33.—PSYCHROMETER, AUGUST, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m	7 a. m.	2 p. m.	9 p. m.
TENNESSEE—	*Inches*	*Inches.*	*Inches*		*Inches*		*Inches.*						
Glenwood (*a*)	.731	.805	.770	1	1.199	29	.619	92	77	90	83	51	75
KENTUCKY—													
Springdale	.603	.878	.760	12	1.597	19	.305	97	76	87	94	38	69
OHIO—													
Gallipolis	.692	.775	.731	12	1.138	17	.383	86	73	85	71	42	69
Germantown	.605	.680	.653	12	.854	18	.327 *b*	89	68	94	70	50	81
Hillsborough	.612	.711	.657	12	.884	19	.348	95	76	96	89	52	84
Zanesville	.572	.613	.665	2	.904	18	.164	92	58	91	30	29	56
MICHIGAN—													
Ann Arbor, [Winchell]	.511	.574	.533	8	.822	24	.254	85	66	94	49	47	82
INDIANA—													
New Harmony	.702	.809	.758	13	1.135	17	.352	89	73	92	70	54	85
ILLINOIS—													
Manchester	.670	.796	.686	2	1.188	17	.296	94	78	95	77	58	53
Ottawa	.607	.915	.637	3	1.301	18	.349	93	90	94	70	82	87
Upper Alton	.638	.862	.661	3	1.228	19	.334	94	88	92	81	66	74
MISSOURI—													
St. Louis	.642	.682	.685	3	.989	17	.322	86	65	85	69	38	65
IOWA—													
Dubuque	.579	.663	.611	15	1.163	17	.315	84	60	80	61	43	69
Muscatine	.615	.769	.606	3	1.657	17	.282	86	69	88	66	49	68
WESTERN AFRICA—													
Nèngenènge	.744	.839	.835	24	.785	7	.668	92	90	91	86	82	86

a Incomplete.

b Same amount on the 19th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Horton	.313	.347	.322	2	.654	23	.099	79	62	76	46	40	43
Montreal	.359	.386	.377	12	.691	19	.138	75	58	71	46	22	32
St Martin	.357	.451	.383	12	.806	19	.105	88	62	81	55	35	50
St. Martin (*a*)	.333	.477	.390	12	.776	19	.182	89	68	85	76	49	68
Toronto (*b*)													
VERMONT—													
Burlington	.366	.455	.389	9	.936	21	.173	80	62	76	53	43	55
MASSACHUSETTS—													
Amherst	.417	.463	.451	12	.743	20	.194	95	63	88	76	45	70
Nantucket	.407	.400	.420	13	.668	5	.090	69	55	77	32	12	40
New Bedford	.421	.485	.430	9	.805	19	.191	88	67	87	61	38	63
Newburyport	.377	.400	.391	2	.708	19	.166	81	56	77	55	30	49
North Attleboro'	.368	.371	.382	13	.704	20	.120	77	46	79	56	23	60
Princeton	.381	.376	.355	1	.641	19	.163	79	57	78	31	32	54
Westfield	.378	.410	.440	12	.786	19	.163*c*	87	54	84	66	22	70
Worcester	.413	.502	.367	12	.872	5	.094	71	63	70	44	11	54
CONNECTICUT—													
Pomfret	.421	.512	.435	12	.819	19	.212	90	73	90	70	58	72
NEW YORK—													
New York city	.442	.484	.475	8	.835	20	.183	71	58	74	54	42	54
Penn Yan (*d*)		.438		1	.706	28	.144		60			37	
Spencertown	.377	.450	.427	12	.704	20	.148	84	63	86	65	39	73
NEW JERSEY—													
Bloomfield	.442	.526	.477	12	.779	20	.203	86	59	86	64	34	58
PENNSYLVANIA—													
Lima	.476	.527	.509	13	.773	19	.202	90	66	88	73	38	73
Norristown	.442	.506	.464	13	.745	19	.190	84	64	78	52	38	44
Philadelphia	.515	.551	.563	13	.850	20	.260	79	61	76	63	45	54
Pottsville	.402	.512	.520	3	1.375	19	.153	76	59	92	41	32	72
MARYLAND—													
Frederick	.538	.650	.609	12	.894	29	.275	93	75	92	80	62	79
DISTRICT OF COLUMBIA—													
Washington	.548	.574	.621	11	.886*e*	28	.175	81	61	86	50	44	60
VIRGINIA—													
Alexandria	.593	.676	.627	11	1.082	14	.222	91	75	89	76	63	77
SOUTH CAROLINA—													
Aiken	.696	.675	.642	15	.856	28	.396	86	59	70	72	47	52
All Saints	.733	.770	.742	17	1.114	24	.451	89	73	81	69	56	63
Camden	.663	.694	.695	16	.887	28	.352	84	58	79	68	44	62
Charleston (*f*)													
GEORGIA—													
Augusta	.763	.808	.756	14	1.160	1	.452	80	67	75	61	51	44
Savannah	.773	.762	.799	19	.926	24	.514	89	63	84	77	40	73
FLORIDA—													
Jacksonville	.902	.966	.891	14	1.135*g*	24	.732	92	81	91	87	65	83
ALABAMA—													
Auburn	.668	.611	.643	15	.990	27	.319	76	52	72	63	29	47
MISSISSIPPI—													
Oxford	.752	.797	.767	21	1.336	27	.420	87	75	93	75	49	55
LOUISIANA—													
New Orleans	.830	.805	.849	25	.958	14	.536*h*	93	73	89	77	39	67
TEXAS—													
Austin	.669	.638	.686	14	.785	29	.371	90	52	74	49	37	60
New Wied (*i*)	.829	1.052	.858	3	1.432	28	.577	90	75	94	77	58	87

*The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Mean force of vapor for the month, .406; mean humidity, 79.
c Same amount on the 20th.
d Observations taken only at 2 p. m.
e Same amount on the 12th.
f Mean force of vapor, .851, computed approximately from the mean dew point.
g Same amount on the 15th.
h Same amount on the 27th.
i Incomplete.

No. 34.—PSYCHROMETER, SEPTEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
TENNESSEE—													
Glenwood	.692	.709	.723	19	.864	26	.285	93	69	92	83	40	79
KENTUCKY—													
Springdale	.610	.710	.714	9	1.024	28	.267	97	72	88	88	54	62
OHIO—													
Gallipolis	.631	.736	.672	3	.969	28	.322	88	75	85	81	53	62
Germantown	.598	.652	.591	2	.866*a*	28	.239	93	74	93	73	44	57
Hillsborough	.606	.682	.632	21	.870	28	.278	99	82	98	95	61	81
Hiram	.498	.589	.512	8	.931	27	.234	79	77	76	71	61	54
Zanesville	.541	.579	.557	9	.809	20	.229	85	64	80	39	41	44
MICHIGAN—													
Ann Arbor, [Winchell]	.491	.560	.487	7	.789	28	.235	91	72	91	73	33	69
INDIANA—													
New Harmony	.695	.796	.736	19	.997	27	.348	93	76	91	79	65	70
ILLINOIS—													
Manchester	.607	.758	.639	18	1.060	30	.285	97	81	94	80	59	80
Ottawa	.602	.769	.597	----	------	----	------	97	87	92	73	00	74
Upper Alton	.624	.867	.620	12	1.114	28	.285	94	89	89	85	74	53
MISSOURI—													
St. Louis	.639	.674	.654	18	.935	30	.271	89	65	84	75	42	69
IOWA—													
Dubuque	.510	.522	.514	17	.808	26	.244	87	66	81	68	40	63
Muscatine	.604	.731	.600	17	1.174	27	.191	92	79	91	79	54	52
WESTERN AFRICA—													
Nèngenènge	.780	.882	.860	15	1.030*b*	6	.706*c*	92	90	90	90	79	82

a Same amount on the 9th. *b* Same amount on the 22d. *c* Same amount on the 7th and 8th.

No. 35.—PSYCHROMETER, OCTOBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Horton	.312	.350	.317	4	.595	30	.129	86	71	85	61	41	57
Montreal	.270	.298	.301	2	.549*a*	31	.129	82	71	87	41	40	60
St. Martin	.247	.325	.284	6	.632	31	.142	93	75	89	69	38	66
St. Martin (*b*)	.274	.344	.294	6	.634	31	.153	94	78	90	79	51	73
Toronto	.228	.262	.251	5	.482	12	.127	85	69	83	69	34	58
VERMONT—													
Burlington	.260	.273	.258	3	.532	16	.051	79	60	72	53	32	19
MASSACHUSETTS—													
Amherst	.317	.348	.327	6	.671	25	.177	96	74	89	73	42	56
Nantucket	.358	.361	.363	6	.566	29	.156	78	66	83	47	26	51
New Bedford	.333	.383	.354	6	.639	25	.144	84	73	86	50	41	61
Newburyport	.301	.333	.313	3	.528	18	.101	88	72	85	55	26	51
North Attleboro'	.282	.299	.303	6	.624	30	.099	81	54	80	54	23	31
Princeton	.270	.282	.275	6	.578	29	.099	84	67	79	57	44	42
Westfield	.272	.305	.309	6	.644	25	.122*c*	86	66	87	63	36	59
CONNECTICUT—													
Pomfret	.306	.372	.322	6	.662	25	.155	93	79	89	73	51	53
NEW YORK—													
New York city	.293	.335	.308	1	.647	26	.140	74	66	74	38	41	49
Penn Yan (*d*)	------	.264	------	5	.471	12	.122	------	62	------	------	39	------
Spencertown	.265	.305	.282	1	.586	30	.117	87	71	83	79	32	68
NEW JERSEY—													
Bloomfield	.309	.318	.308	1	.702	18	.116	86	63	82	60	17	56
PENNSYLVANIA—													
Lima	.289	.322	.307	6	.685	26	.131	89	65	85	50	34	63
Norristown	.279	.333	.299	6	.612	25	.113	84	65	79	62	33	61
Philadelphia	.324	.348	.342	6	.701	25	.146	82	61	78	56	42	60
Pottsville	.242	.296	.267	11	.662	17	.042	78	66	89	12	32	58
MARYLAND—													
Frederick	.278	.330	.286	11	.812	26	.126	87	62	78	49	39	53
DISTRICT OF COLUMBIA—													
Washington	.308	.340	.342	6	.720	25	.123	87	61	84	51	29	54
VIRGINIA—													
Alexandria	.312	.402	.325	6	.778	26	.140	94	76	87	74	57	63
SOUTH CAROLINA—													
Aiken	.362	.360	.371	1	.918	12	.086	84	46	66	57	14	42
All Saints	.419	.496	.474	1	.886	13	.138	83	64	78	46	39	45
Camden	.324	.395	.364	6	.718	25	.142	82	51	79	57	27	52
Charleston (*e*)	------	------	------	------	------	------	------	------	------	------	------	------	------
GEORGIA—													
Augusta	.421	.509	.468	8	.658	20	.190	79	73	82	63	61	60
Savannah	.413	.420	.441	6	.784	28	.146	81	48	75	64	26	46
FLORIDA—													
Jacksonville	.516	.666	.560	1	.989	25	.251	89	78	91	59	65	77
Warrington	.658	.759	.712	11	1.057	25	.394	93	88	89	75	59	75
ALABAMA—													
Auburn	.296	.298	.327	22	.759	6	.042	64	39	60	10	12	34
MISSISSIPPI—													
Oxford	.380	.523	.411	31	.826	25	.153	96	78	90	83	52	53
LOUISIANA—													
New Orleans	.462	.460	.482	5	.791	25	.152	85	63	78	39	34	45
TEXAS—													
Austin	.416	.453	.464	26	.816	6	.074	90	50	83	68	12	15
New Wied	.467	.652	.558	1	1.410	24	.177	86	68	86	56	33	42
ARKANSAS—													
Camden (*f*)	.399	.479	.422	4	.745	8	.208	81	65	78	65	42	58

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a Same amount on the 4th.
b For note on this place see table No. 26.
c Same amount on the 26th and 29th.
d Observation taken only at 2 p. m.
e Mean force of vapor, .457, computed approximately from the mean dew point.
f For the first 12 days of the month only.

No. 35.—PSYCHROMETER, OCTOBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches.*						
TENNESSEE—													
Glenwood	.309	.330	.333	4	.565	25	.118	88	51	84	60	26	38
KENTUCKY—													
Springdale	.255	.366	.361	1	.612	27	.131	94	63	76	70	38	29
OHIO—													
Cincinnati, [Hurtt]	.335	.385	.382	10	.927	27	.008	82	66	80	67	02	52
Gallipolis	.291	.344	.309	4	.662	13	.071	88	61	81	71	17	51
Germantown	.243	.289	.272	10	.504	25	.123	91	57	88	67	36	41
Hillsborough	.281	.326	.308	8	.566	14	.129	96	67	90	72	27	47
Hiram	.294	.371	.301	10	.617	26	.130	68	68	62	45	44	39
Zanesville	.228	.310	.271	9	.551	31	.077	79	63	77	31	26	30
MICHIGAN—													
Ann Arbor, [Winchell]	.233	.257	.248	10	1.210	25	.345	83	64	87	62	36	42
INDIANA—													
New Harmony	.293	.378	.336	14	.685	25	.135	95	65	88	65	39	51
ILLINOIS—													
Manchester	.269	.396	.299	10	.704	25	.129	92	70	88	62	40	62
Ottawa (*a*)	.271	.524	.323	18	.958	6	.164	99	89	95	90	75	63
Upper Alton	.246	.421	.319	29	.666	25	.105	83	77	84	65	59	51
MISSOURI—													
St. Louis	.253	.283	.284	19	.563	22	.105	78	49	70	41	24	31
IOWA—													
Dubuque	.214	.205	.214	9	.436	28	.070	79	48	66	44	17	14
Muscatine	.201	.301	.229	14	.572	25	.059	79	58	76	53	31	34
WEST INDIES—													
Up Park Camp, Jam'a (*b* & *a*)	.767	.796	------	6	.910	3	.681	77	61	------	71	56	------
Up Park Camp, Jam'a (*c* & *a*)	.779	.820	------	6	.959	3	.677	76	70	------	65	54	------
WESTERN AFRICA—													
Néngenège	.818	.946	.889	26	1.065	1	.758	92	88	91	90	79	79

a For changes in hours of observation, &c., see table of the thermometer for this month.

b According to tables used by the observer.

c According to the Smithsonian tables.

No. 36.—PSYCHROMETER, NOVEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Horton	.181	.209	.194	8	.574	24	.063	82	72	78	51	46	49
Montreal	.168	.185	.173	1	.348	21	.008	87	78	85	62	55	75
St. Martin	.149	.199	.159	9	.454	20	.043	92	78	88	75	40	57
St. Martin (*a*)	.166	.213	.180	7	.385	20	.048	93	80	89	87	64	71
Toronto	.188	.196	.186	7	.375	28	.073	82	69	78	66	43	58
VERMONT—													
Burlington	.153	.177	.158	1	.336	20	.043*b*	73	65	71	49	37	40
MASSACHUSETTS—													
Amherst	.192	.225	.209	16	.419	30	.061	87	70	85	53	43	52
Nantucket	.251	.244	.262	1	.460	30	.087	76	66	81	50	38	55
New Bedford	.226	.244	.239	1	.466	24	.084*c*	84	71	84	50	37	60
Newburyport	.187	.200	.202	8	.420	29	.031	83	65	82	52	30	51
North Attleboro'	.184	.205	.200	1	.475	24	.041	77	60	76	32	25	37
Princeton	.169	.173	.164	1	.375	24	.038	81	70	74	45	30	31
Westfield	.189	.201	.212	1	.349*d*	20	.054	84	64	86	58	07	45
CONNECTICUT—													
Pomfret	.204	.261	.222	1	.523	24	.075	88	81	88	45	53	70
NEW YORK—													
Blackwell's Island	.201	.210	.203	2	.390	26	.000	69	57	62	35	00	19
New York city	.215	.242	.220	1	.455	29	.069	76	68	70	47	41	47
Penn Yan (*e*)	------	.211	------	1	.354	24	.094	------	94	------	------	52	------
Spencertown (*f*)	.223	.244	.231	1	.420	20	.067	91	80	82	61	39	59
NEW JERSEY—													
Bloomfield (*g*)	.219	.253	.237	1	.467	19	.070	78	65	75	60	39	37
PENNSYLVANIA—													
Lima	.233	.256	.239	3	.462	29	.093	83	64	83	51	33	52
Norristown	.214	.253	.219	3	.466	30	.062	74	66	71	39	31	33
Philadelphia	.247	.266	.253	3	.493	29	.079	79	60	73	56	28	44
Pottsville	.224	.228	.221	16	.435	29	.059	82	66	84	47	30	58
MARYLAND—													
Frederick	.238	.260	.249	3	.487	29	.084	82	64	78	50	34	50
DISTRICT OF COLUMBIA—													
Washington	.267	.282	.291	16	.618	29	.084	87	64	82	48	25	38
VIRGINIA—													
Alexandria	.300	.344	.303	16	.562	30	.123	97	79	89	72	55	72
SOUTH CAROLINA—													
Aiken	.400	.417	.431	8	.662	30	.123	89	59	82	63	30	58
All Saints	.398	.468	.438	3	.691	22	.146	89	68	85	67	36	57
Camden	.339	.395	.365	12	.617	19	.101	85	60	77	66	18	45
Charleston (*h*)	------	------	------	------	------	------	------	------	------	------	------	------	------
GEORGIA—													
Savannah	.442	.493	.435	8	.752	22	.150	85	65	82	60	32	57
FLORIDA—													
Jacksonville	.557	.696	.600	8	.904	30	.225	93	87	93	65	68	68
ALABAMA—													
Auburn	.353	.376	.372	7	.612	30	.107	74	59	67	43	24	32
MISSISSIPPI—													
Oxford	.362	.464	.389	16	.868	26	.032	89	79	85	71	07	28
LOUISIANA—													
New Orleans	.514	.542	.541	3	.839	22	.195	89	76	86	59	35	55
TEXAS—													
Austin	.356	.310	.375	2	.706*i*	8	.000*j*	90	42	83	62	00	56
New Wied	.435	.506	.448	4	.927	26	.176	91	58	86	74	29	54
ARKANSAS—													
Camden	.320	.392	.358	4	.745*k*	17	.034	80	60	74	61	34	07

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Same amount on the 24th.
c Same amount on the 25th and 30th.
d Same amount on the 8th.
e Observations taken only at 2 p. m.
f For the first 19 days of the month only.
g Incomplete.
h Mean force of vapor for the month .462, computed approximately from the mean dew point.
i Same amount on the 4th and 6th.
j Same amount on the 10th.
k Same amount on the 16th.

No. 36.—PSYCHROMETER, NOVEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
TENNESSEE—	*Inches*	*Inches.*	*Inches.*		*Inches*		*Inches*						
Glenwood	.310	.313	.303	4	.600	19	.097	82	58	76	42	27	48
KENTUCKY—													
Springdale	.279	.321	.309	15	.608	22	.103	92	71	78	71	38	54
OHIO—													
Cincinnati, [Hurtt]	.289	.326	.287	16	.604	29	.099	89	75	85	65	44	59
Gallipolis	.267	.333	.276	11	.655	29	.111	84	67	78	61	29	57
Germantown	.241	.264	.247	6	.527	29	.083	89	69	85	71	34	52
Hillsborough	.258	.301	.259	1	.708	29	.109	92	71	85	61	36	49
Perrysburg	.228	.272	.237	12	.556	29	.111	84	73	81	61	50	65
Zanesville	.217	.251	.232	15	.489	15	.489	77	65	76	58	39	43
MICHIGAN—													
Ann Arbor, [Winchell]	.194	.216	.201	15	.501	29	.077	88	71	83	72	39	68
Detroit (*a*)	.203	.245	.220	10	.489	29	.075	86	81	83	68	56	46
INDIANA—													
New Harmony	.286	.291	.308	15	.568	22	.110	92	65	88	66	41	51
ILLINOIS—													
Manchester	.236	.309	.236	15	.658	21	.094*b*	96	80	92	69	44	56
Upper Alton (*c*)	.296	.382	.324	16	.658	19	.153	88	80	86	69	59	66
MISSOURI—													
St. Louis	.226	.236	.242	15	.592	19	.000	80	57	72	00	25	43
IOWA—													
Dubuque (*c*)	.174	.185	.191	11	.432	20	.018	74	60	68	52	28	17
Muscatine	.158	.236	.162	10	.618	12	.000	70	76	69	00	42	05
WEST INDIES—													
Up Park Camp, Jamaica (*d*)	.769	.755	------	1	.925	26	.550	76	67	------	51	53	------
Up Park Camp, Jamaica (*e*)	.783	.771	------	1	.976	26	.503	75	67	------	61	47	------

a For the last 20 days of the month only.
b Same amount on the 22d.
c Incomplete.
d According to the tables used by the observer. For changes in hours of observation, &c., see table of the thermometer for this month.
e According to the Smithsonian tables. For changes in hours of observation, &c., see table of the thermometer for this month.

No. 37.—PSYCHROMETER, DECEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Horton	.139	.150	.138	10	.372	27	.041	80	64	76	41	39	52
Montreal	.116	.131	.129	2	.297	29	.020	81	76	82	56	55	55
St. Martin	.000	.123	.113	2	.272	29	.010	93	84	93	80	55	75
St. Martin (*a*)	.112	.139	.123	2	.290	29	.014	90	80	88	82	60	74
Toronto	.121	.127	.124	9	.272	29	.027	81	70	80	55	46	61
VERMONT—													
Burlington	.091	.110	.093	16	.212	13	.000*b*	61	60	56	00	23	00
MASSACHUSETTS—													
Amherst	.130	.144	.143	9	.337	29	.058	90	74	87	60	41	53
Nantucket	.186	.152	.193	2	.369	12	.051	77	66	77	40	37	50
New Bedford	.156	.153	.175	9	.419	29	.051	84	64	82	58	27	46
Newburyport (*c*)	.128	.138	.140	9	.371	27	.000	84	68	87	00	36	63
North Attleboro'	.124	.119	.148	16	.361	31	.039	75	55	77	46	24	51
Princeton	.121	.113	.122	16	.316	12	.041	84	70	78	49	30	47
Westfield	.113	.122	.142	9	.326	31	.026	82	61	88	55	25	52
CONNECTICUT—													
Pomfret (*c*)	.150	.175	.168	9	.403	12	.070	90	77	85	66	46	62
NEW YORK—													
New York city	.117	.147	.133	9	.389	26	.005	58	59	56	16	26	09
Penn Yan (*d*)	------	.153	------	16	.274	29	.071	------	75	------	------	38	------
NEW JERSEY—													
Bloomfield (*e*)	.145	.160	.187	9	.412	11	.041	76	58	79	50	25	50
PENNSYLVANIA—													
Lima	.144	.171	.160	16	.447	31	.046	85	64	82	44	33	49
Nazareth	.138	.167	.150	23	.298	1	.025	98	85	95	77	09	70
Norristown	.116	.130	.130	22	.362	26	.039	73	58	70	49	15	38
Philadelphia	.161	.182	.176	16	.471	27	.060	78	66	74	52	40	42
Pottsville	.123	.146	.129	9	.370	28	.020	83	69	81	40	30	20
MARYLAND—													
Frederick	.142	.165	.150	9	.426	13	.000	79	62	74	47	37	00
DISTRICT OF COLUMBIA—													
Washington	.166	.190	.185	16	.466	27	.063	83	66	81	45	31	37
VIRGINIA—													
Alexandria	.199	.237	.194	9	.483	1	.011	93	82	82	65	55	06
SOUTH CAROLINA—													
Aiken	.283	.322	.296	16	.608	12	.000	88	66	80	52	25	00
All Saints	.305	.366	.342	25	.745	26	.095	89	75	88	61	32	51
Camden	.239	.290	.267	15	.591	11	.103	87	66	83	57	34	48
Charleston (*f*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Augusta	.304	.368	.297	16	.586	27	.142	87	80	80	70	58	51
Savannah	.314	.368	.351	25	.670	11	.078	83	69	82	56	22	28
FLORIDA—													
Jacksonville	.406	.551	.449	24	.827	11	.175	91	86	90	78	70	47
ALABAMA—													
Auburn	.231	.241	.235	----	------	----	------	69	54	62	23	00	24
MISSISSIPPI—													
Oxford	.213	.283	.228	13	.543	26	.065	91	80	87	68	42	50
LOUISIANA—													
New Orleans	.365	.388	.389	23	.708	26	.099	87	74	88	44	36	52
TEXAS—													
Austin	.228	.265	.304	8	.685	25	.059	88	54	83	53	07	40
New Wied	.258	.391	.322	8	.731	25	.000*g*	73	65	79	00	19	06
TENNESSEE—													
Glenwood	.168	.166	.180	8	.454	26	.050	80	57	75	43	14	29

*The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a For note on this place see table No. 26.
b Same amount on the 15th.
c Incomplete.
d Observations taken only at 2 p. m.
e For the first 24 days of the month only.
f Mean force of vapor for the month, .313, computed approximately from the mean dew point.
g Same amount on the 26th and 30th.

No. 37.—PSYCHROMETER, DECEMBER, 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Springdale	.162	.208	.192	14	.407	26	.035	93	81	88	62	43	65
OHIO—													
Cincinnati, [Hurtt]	.179	.222	.197	14	.433	26	.051	80	75	76	52	41	29
Gallipolis	.157	.202	.172	----	------	----	------	85	75	82	71	42	54
Germantown	.136	.142	.137	14	.351	26	.027	89	68	82	60	31	46
Hillsborough	.162	.171	.160	14	.388	26	.038	94	78	88	73	39	49
Perrysburg	.139	.152	.148	21	.283	27	.034	85	76	85	59	39	46
Zanesville (*a*)	.160	.152	.152	3	.186	2	.118	87	53	72	53	39	48
MICHIGAN—													
Ann Arbor, [Winchell]	.121	.141	.122	1	.755	26	.107	91	85	88	67	59	71
Detroit	.145	.155	.146	9	.300	27	.050	93	83	90	61	46	61
INDIANA—													
New Harmony	.163	.183	.170	8	.423	31	.055	88	71	86	44	42	51
ILLINOIS—													
Manchester	.130	.183	.143	1	.403	26	.021	98	85	95	78	51	67
MISSOURI—													
St. Louis	.142	.138	.143	14	.390	26	.033	82	58	74	51	16	40
IOWA—													
Dubuque	.096	.117	.098	8	.342	24	.002	65	66	61	27	24	11
Muscatine	.096	.162	.104	----	------	----	------	84	71	80	47	00	42
WEST INDIES—													
Up Park Camp, Jamaica (*b*)	.738	.773	------	12	.955	23	.559	73	66	------	59	46	------
Up Park Camp, Jamaica (*c*)	.734	.780	------	12	.992	23	.530	70	65	------	53	42	------

a For the first 8 days of the month only.
b According to tables used by the observer. For changes in hours of observation, &c., see table of the thermometer for this month.
c According to the Smithsonian tables for changes. For changes in hours of observation, &c., see table of the thermometer for this month.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
St. Martin	0	41	1	11	2	13	6	19	0	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	14	0	11	4	6	3	25	4	67	0	8	0	8	4	5	1	12	38
Fryeburg	11	17	9	5	1	15	4	21	0	83	0	1	0	0	1	18	8	5	33
Gardiner	4	31	1	24	2	20	2	7	0	91	0	3	0	5	3	15	0	1	27
Oldtown	5	6	6	7	4	8	13	14	2	65	2	2	5	4	2	8	16	9	48
Perry	9	10	1	9	2	25	13	24	0	93	2	9	5	10	6	32	4	9	77
Steuben	3	32	2	10	3	22	5	15	1	93	1	7	2	3	0	16	13	5	47
NEW HAMPSHIRE—																			
Concord	4	29	2	3	1	20	1	33	0	93	----	----	----	----	----	----	----	----	----
Exeter	14	6	3	6	8	16	17	13	0	83	10	5	3	3	1	7	14	4	47
Great Falls	5	26	0	4	3	21	3	26	0	88	0	0	0	0	0	8	1	3	12
Londonderry	1	14	5	11	0	8	7	20	27	93	2	0	0	0	4	7	4	1	18
Manchester	17	5	13	5	7	8	11	23	1	90	12	4	11	4	4	0	31	6	72
Salmon Falls	6	19	2	4	4	2	13	24	19	93	0	0	0	1	0	1	3	7	12
VERMONT—																			
Brandon	13	0	4	5	40	7	8	10	6	93	0	0	0	2	11	8	10	7	38
Burlington	20	2	2	6	36	14	0	13	0	93	0	0	0	0	2	2	1	0	5
Castleton	24	7	0	0	32	11	4	0	15	93	2	0	0	1	0	2	0	0	5
St Johnsbury	0	0	0	1	2	33	7	50	0	93	0	0	0	2	0	32	6	18	58
MASSACHUSETTS—																			
Amherst	11	4	1	25	0	6	3	40	1	91	0	0	1	3	0	5	6	6	21
Boston	16	6	3	5	5	6	9	12	0	62	----	----	----	----	----	----	----	----	----
Mendon	6	19	3	6	4	14	10	31	0	93	6	18	5	5	4	15	6	34	93
Nantucket	5	11	6	17	8	13	7	19	7	93	----	----	----	----	----	----	----	----	----
New Bedford	7	12	1	14	3	20	8	28	0	93	----	----	----	----	----	----	----	----	----
Newburyport	1	5	6	2	18	7	31	20	0	90	----	----	----	----	----	----	----	----	----
North Attleboro'	24	8	3	4	10	16	11	17	0	93	15	7	6	5	12	8	13	4	70
Princeton	0	12	22	4	4	8	24	19	0	93	0	0	1	1	0	0	15	6	23
Richmond	2	12	0	15	0	24	0	40	0	93	0	12	0	18	0	25	0	27	82
Southwick	1	20	1	2	7	5	2	5	1	44	1	0	1	2	2	9	1	4	20
Springfield	11	14	0	3	6	6	3	18	32	93	4	2	0	0	9	2	1	18	36
Westfield	10	16	6	3	9	7	13	8	0	72	----	----	----	----	----	----	----	----	----
Williamstown	2	0	16	14	20	7	9	18	7	93	1	1	1	12	11	6	5	4	41
Worcester	0	22	2	4	0	25	0	40	0	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	2	18	4	2	9	16	4	22	0	77	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Pomfret	6	25	4	2	9	19	7	21	0	93	0	19	4	2	6	19	10	9	69
Saybrook	11	16	7	6	8	6	17	16	3	99	1	3	4	3	5	6	12	9	43
NEW YORK—																			
Angelica	0	7	3	25	17	27	9	5	0	93	0	2	1	4	10	27	20	5	69
Baldwinsville	5	3	10	7	4	17	21	23	0	90	1	0	1	0	0	4	41	15	62
Beverly	4	13	1	13	6	30	2	20	1	90	1	2	5	15	10	23	15	4	75
Canton	4	23	0	0	3	45	2	14	2	93	2	16	0	0	0	39	1	9	67
Fishkill	15	12	3	0	6	18	6	0	33	93	----	----	----	----	----	----	----	----	----
Gouverneur	11	15	0	1	9	34	15	8	0	93	8	17	0	0	9	28	18	6	86
Lodi	3	0	2	35	9	12	12	17	3	93	0	0	1	0	3	8	10	5	27
Lowville	4	2	1	15	26	15	6	23	0	92	1	1	0	5	6	15	8	11	47
New York city	2	27	4	6	1	10	17	26	0	93	0	8	2	4	1	13	35	13	76
Ogdensburg	3	11	4	5	8	12	4	4	0	51	1	0	0	0	0	4	0	0	5
Oswego	5	10	3	17	15	7	14	6	16	93	----	----	----	----	----	----	----	----	----
Penn Yan	4	6	2	0	39	10	20	12	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	4	22	4	15	4	21	5	18	0	93	3	6	4	8	5	33	12	9	80
Smithville	0	20	5	4	27	10	26	1	0	93	6	5	0	0	9	37	22	2	81
Spencertown	17	2	0	7	28	17	7	13	0	91	7	0	0	4	19	13	11	11	65
Wampsville	1	0	16	11	17	3	44	1	0	93	1	0	18	9	14	6	41	1	93
NEW JERSEY—																			
Bloomfield	19	14	0	5	3	27	0	21	0	89	----	----	----	----	----	----	----	----	----
Burlington	6	25	1	0	5	13	28	2	10	90	0	4	0	0	4	1	7	0	16
Lambertville	2	25	4	3	1	11	7	24	0	77	----	----	----	----	----	----	----	----	----

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	9	0	31	7	33	0	80	0	0	0	9	0	23	9	24	65
Easton	5	10	2	4	2	3	15	24	7	72									
Gettysburg	10	18	1	0	11	18	11	17	6	92	0	0	0	1	7	14	25	16	63
Harrisburg	6	1	19	16	4	0	1	33	0	80	2	0	0	0	1	0	1	16	20
Lima	5	21	7	1	0	4	4	26	25	93	0	0	0	7	1	16	11	9	44
Morrisville	10	26	8	3	1	9	7	21	8	93	3	12	12	4	0	9	11	13	64
Moss Grove	2	1	1	8	26	26	9	1	0	77	0	1	1	5	8	13	25	1	54
Norristown	0	14	11	7	1	10	31	7	0	81	0	2	17	7	0	9	29	2	66
Philadelphia	8	30	1	5	1	12	15	21	0	93	0	2	0	0	0	4	7	3	16
Pittsburg, [M H]	2	0	31	4	9	36	25	1	16	124									
Pocopson	10	4	3	6	3	11	28	23	0	88	0	1	0	1	0	0	1	3	6
Pottsville	3	3	20	6	1	4	12	38	6	93	2	2	5	6	2	6	13	29	65
Randolph	0	2	1	22	12	18	12	10	9	86	0	1	0	3	3	12	21	8	48
West Haverford	2	4	13	0	1	4	9	17	12	62	0	1	0	0	1	1	4	13	20
MARYLAND—																			
Bladensburg	0	1	16	1	1	9	10	10	0	48									
Frederick	13	10	2	1	7	24	11	14	9	91	1	0	1	3	4	9	25	3	46
Sykesville	3	6	2	7	0	15	42	18	0	93	0	0	10	6	2	7	57	2	84
VIRGINIA—																			
Alexandria	21	6	4	7	13	11	2	29	0	93									
Ashland	5	0	0	0	10	29	3	4	42	93	1	0	0	1	4	22	7	1	36
Crichton's Store	13	11	2	4	23	26	12	1	1	93	5	8	2	0	8	33	20	0	76
Lewisburg	0	0	0	0	1	2	0	0	0	3	2	0	2	0	12	3	23	0	42
Montcalm	4	7	0	0	5	0	0	1	0	17	1	1	0	1	4	0	0	0	7
Winchester	0	0	1	1	5	1	20	5	60	93	0	0	0	0	0	0	10	3	13
NORTH CAROLINA—																			
Chapel Hill	11	21	2	8	6	13	22	10	0	93	1	3	1	6	7	16	8	1	43
Thornbury	7	5	13	3	6	20	24	5	8	91	3	2	1	0	8	6	12	0	32
SOUTH CAROLINA—																			
All Saints	10	14	9	4	12	26	12	5	1	93	2	3	8	5	3	17	17	3	58
Camden	10	20	0	3	3	20	20	13	4	93	0	5	0	13	1	18	16	5	58
Charleston	6	22	1	2	0	9	3	16	0	59									
GEORGIA—																			
Augusta	6	3	6	14	15	25	15	6	0	90									
Savannah	21	5	15	5	13	6	9	19	0	93	0	0	1	4	0	4	13	2	24
Sparta	4	18	2	11	6	20	8	21	0	90	0	3	1	6	2	14	10	5	41
The Rock	0	1	1	6	1	2	0	12	0	23									
Whitemarsh Island	7	16	4	3	7	7	9	11	25	89	2	2	0	10	2	8	7	3	34
FLORIDA—																			
Cedar Keys	8	36	7	10	8	11	6	4	0	90	2	18	8	6	2	8	6	6	56
Jacksonville	3	35	0	1	0	29	1	22	1	92	0	14	6	3	0	22	5	2	52
Key West	13	25	5	5	0	1	1	12	0	62									
Knox Hill	8	14	2	1	1	12	4	11	0	53	0	0	1	2	1	13	4	3	24
Warrington	11	19	7	13	3	14	3	20	3	93	2	1	1	14	1	13	6	31	69
ALABAMA—																			
Auburn	0	11	11	16	5	19	0	28	0	90	0	0	0	9	7	10	0	5	31
Greene Spring	10	3	15	7	7	11	9	8	7	77	0	0	0	0	0	6	13	2	21
Tuscaloosa	7	9	3	25	5	8	4	21	7	89	0	0	0	2	4	4	4	2	16
MISSISSIPPI—																			
Garlandsville	2	3	1	14	5	29	3	34	0	91	2	0	1	12	4	21	5	18	63
Oxford	6	6	0	11	13	27	13	17	0	93	5	1	0	2	13	11	17	6	55
LOUISIANA—																			
New Orleans	16	15	11	16	13	4	4	14	0	93	2	0	1	4	10	4	7	5	33
TEXAS—																			
Austin	33	2	2	9	19	6	2	14	6	93	22	0	0	2	19	9	4	17	73
New Wied	41	3	0	0	1	23	8	5	12	93	2	0	3	0	3	1	1	1	11
TENNESSEE—																			
Glenwood	5	9	1	7	18	15	9	16	13	93	1	5	0	1	4	19	18	13	61
Knoxville	12	11	8	3	13	23	13	10	0	93									
KENTUCKY—																			
Ballardsville	9	0	1	0	17	44	19	3	0	93	0	0	0	1	4	11	3	2	21
Danville	1	5	0	8	12	28	24	12	0	90	0	1	1	0	1	18	26	6	53
Millersburg	15	0	8	0	4	4	7	9	0	47									

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—Continued																			
Springdale	1	4	9	6	12	25	11	6	19	93									
OHIO—																			
Arcola	0	1	10	12	26	21	15	7	1	93	1	1	7	10	23	18	17	5	82
Cincinnati	11	8	8	4	5	12	7	7	0	62									
Cincinnati, [Hurtt]	12	8	14	10	11	20	9	6	0	90	11	8	13	12	4	8	6	4	66
Gallipolis	11	1	3	0	22	14	6	11	0	68									
Germantown	2	6	4	8	1	47	5	20	0	93	1	7	1	6	0	47	4	15	81
Granville	2	8	4	0	2	31	21	2	12	82	0	0	0	0	1	13	8	1	23
Hillsborough	0	7	2	8	2	30	1	12	0	62	0	0	0	0	0	0	0	1	1
Jackson	7	2	11	3	10	13	31	3	13	93	1	0	0	0	3	6	28	11	49
Marietta	3	0	0	2	1	10	17	1	4	38	1	0	0	2	1	10	19	1	34
Mount Vernon	1	3	1	5	8	4	31	1	32	86	0	0	0	1	5	6	28	2	42
Newark	2	0	4	10	0	17	11	10	19	73	0	0	1	5	5	7	6	5	29
New Lisbon	0	2	5	12	14	29	11	15	0	91									
Norwalk	2	7	2	6	13	32	4	12	0	78	1	0	1	0	3	11	13	8	37
Oberlin	0	5	4	7	16	31	9	12	4	88	0	0	2	0	2	8	39	4	55
Urbana	0	0	1	5	1	18	33	7	0	65	0	4	2	11	13	22	16	5	73
Zanesville	0	8	0	14	5	39	5	22	0	93									
MICHIGAN—																			
Ann Arbor, [Woodruff]	1	11	3	21	7	32	7	9	1	92	0	4	1	4	1	16	27	8	61
Ann Arbor, [Winchell]	15	6	7	17	12	26	1	7	2	93	6	5	5	7	10	24	22	5	84
Battle Creek	4	5	15	7	16	21	17	4	0	89	4	5	10	3	2	31	28	5	88
Cooper	1	4	21	1	3	3	39	4	17	93	1	0	24	6	1	2	40	6	80
Detroit	0	21	9	4	3	42	7	7	0	93									
Flint	4	5	5	12	21	18	15	10	0	90									
Grand Rapids	2	14	17	5	7	16	14	4	12	91	2	0	1	1	0	4	5	0	13
Monroe, [Whelpley]	0	20	2	15	6	4	3	43	0	93	0	20	3	14	5	3	3	44	92
Monroe, [Perkins]	5	8	1	1	2	28	9	39	0	93									
St James	8	10	6	8	4	22	0	33	2	93	4	3	3	0	3	22	0	13	48
INDIANA—																			
Madison											1	5	6	14	4	35	16	12	93
Milton	4	13	0	5	9	16	6	7	33	93	0	1	0	0	2	5	3	1	12
New Harmony	5	3	8	11	7	7	14	7	0	62	0	0	2	1	1	2	0	0	6
ILLINOIS—																			
Athens	2	3	4	21	5	19	6	29	0	89	1	1	0	3	0	6	23	17	51
Augusta	0	9	4	12	14	16	19	19	0	93	0	3	0	6	9	7	8	3	36
Manchester	11	9	11	8	22	8	8	13	0	93	6	1	1	2	3	16	6	14	49
Ottawa	1	10	8	5	21	12	25	10	1	93	0	1	4	0	2	2	2	3	14
Upper Alton	2	10	1	13	7	18	23	21	0	95									
MISSOURI—																			
Hannibal	11	1	9	9	22	9	16	16	0	93	8	0	1	1	7	6	8	2	33
St. Louis	5	5	6	23	8	13	24	9	0	93									
MINNESOTA—																			
St Joseph's	29	2	1	4	6	4	6	27	11	90	9	0	0	0	1	1	4	5	20
WISCONSIN—																			
Beloit	2	1	3	2	10	5	1	3	0	27	1	1	3	2	10	6	1	3	27
Ceresco	5	12	0	6	7	26	12	6	1	75									
Janesville	8	5	4	17	20	5	18	12	4	93									
Milwaukee	6	11	4	20	1	22	14	15	0	93									
Platteville	10	1	3	24	14	4	23	14	0	93	11	2	3	9	10	6	23	10	74
IOWA—																			
Dubuque	12	6	1	6	17	9	4	20	17	92	1	3	0	2	0	5	3	12	26
Fort Madison	4	3	2	22	15	12	1	34	0	93	1	0	2	1	1	18	20	8	51
Keokuk	21	1	17	2	20	2	19	4	6	92	14	0	2	0	4	0	11	3	34
Muscatine	4	5	4	13	15	13	10	29	0	93	0	0	5	3	3	12	0	0	23
Pella	4	1	0	13	25	8	18	24	0	93									
Poultney	12	6	9	15	9	9	15	12	6	93	3	1	1	4	3	7	9	4	32
Quasqueton	11	5	2	16	5	14	15	17	0	85	0	0	0	0	0	6	4	1	11
CALIFORNIA—																			
Sacramento, [Logan]	7	8	4	19	5	9	2	39	0	93									
Sacramento, [Hatch]	11	11	3	46	3	12	4	34	0	124									
EASTERN CONTINENT—																			
Mosul, Mesapotamia	4	0	9	7	3	0	1	2	3	29									

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.									
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
St. Martin	1	25	0	2	0	24	10	22	0	84									
MAINE—																			
Carmel	2	11	0	2	1	6	3	36	11	72	0	7	0	1	0	7	3	14	32
Fryeburg	15	9	1	3	0	16	10	18	0	72	1	0	0	0	0	6	16	9	32
Gardiner	19	31	2	4	3	7	2	15	1	84	1	2	0	0	0	7	1	4	15
Oldtown	13	12	2	6	6	0	3	39	2	83	6	7	1	7	0	0	9	28	58
Perry	4	26	1	9	0	3	3	38	0	84	3	14	1	0	0	9	7	6	40
Steuben	11	41	5	1	0	5	5	14	1	83	2	7	1	1	0	8	16	1	36
NEW HAMPSHIRE—																			
Concord	0	20	0	0	0	3	0	61	0	84									
Exeter	13	8	5	0	0	0	23	35	0	84	11	8	5	0	0	0	26	11	61
Great Falls	1	15	0	2	1	11	7	45	0	82	0	1	0	0	0	3	0	7	11
Londonderry	1	9	1	6	0	0	3	46	18	84	4	1	0	0	0	2	3	11	21
Manchester	21	14	0	2	4	0	4	37	2	84	9	13	0	2	0	1	16	18	59
Salmon Falls	22	6	4	0	0	1	6	38	7	84	1	0	0	1	0	0	4	8	14
VERMONT—																			
Brandon	22	1	3	4	14	3	7	27	3	84	2	0	0	0	3	1	1	7	14
Burlington	27	10	1	2	16	1	9	18	0	84	0	0	0	0	1	2	1	0	4
Castleton	21	4	5	2	6	10	19	6	8	84	0	0	0	2	0	1	0	2	5
MASSACHUSETTS—																			
Amherst	8	4	3	9	1	4	7	46	0	82	1	0	0	0	0	1	11	14	27
Boston	7	2	2	2	0	1	3	11	0	28									
Mendon	2	13	5	1	0	20	11	32	0	84	6	12	5	2	0	20	11	28	84
Nantucket	9	6	2	4	1	9	2	45	5	83									
New Bedford	9	11	2	4	0	13	9	36	0	84									
Newburyport	20	3	3	4	2	1	17	30	0	80									
North Attleboro'	18	7	2	2	4	7	17	27	0	84	15	5	6	1	3	4	12	11	57
Princeton	3	17	11	0	0	2	23	28	0	84	1	3	1	0	0	0	17	13	35
Southwick	4	11	0	0	4	2	6	14	4	45	0	1	0	0	0	3	3	7	14
Springfield	11	9	0	2	0	4	2	43	13	84	5	6	0	1	0	3	1	25	41
Taunton	6	10	4	8	0	2	29	25	0	84	1	10	3	7	0	1	16	7	45
Westfield	6	14	2	2	0	2	15	21	0	62									
West Stockbridge	1	29	0	0	1	10	0	42	1	84	3	18	0	1	2	9	3	25	61
Williamstown	16	0	7	7	2	3	17	16	15	83	0	0	2	10	1	0	0	1	14
Wood's Hole	28	8	4	0	3	7	21	11	2	84									
Worcester	1	20	0	0	0	6	0	57	0	84									
RHODE ISLAND—																			
Providence	2	12	2	2	0	6	6	52	0	82									
CONNECTICUT—																			
Pomfret	4	15	2	2	1	6	3	51	0	84	4	12	1	0	1	8	1	24	51
NEW YORK—																			
Angelica	0	5	7	9	5	18	38	2	0	84	0	0	0	2	2	17	43	12	76
Baldwinsville	5	3	5	10	0	1	12	46	0	82	0	0	2	0	0	0	17	42	61
Beverly	0	23	1	4	1	29	4	14	6	82	0	11	0	1	3	25	9	18	67
Canton	1	14	0	1	1	33	9	11	6	76	1	5	0	0	0	36	7	8	57
Fishkill	3	36	0	3	0	24	12	0	6	84									
Gouverneur	0	41	0	3	0	17	3	20	0	84	3	37	0	3	0	16	2	17	78
Lodi	6	1	1	11	2	4	21	31	6	83	1	0	0	0	2	0	9	4	16
Lowville	5	2	0	3	11	16	11	36	0	84	0	0	0	0	0	1	4	5	10
New York city	6	13	3	0	0	2	19	41	0	84	3	5	1	1	0	10	25	17	62
Oswego	8	7	9	3	10	3	25	9	10	84									
Penn Yan	9	4	0	3	12	22	28	6	0	84									
Sag Harbor	11	15	6	5	0	6	11	30	0	84	3	6	3	0	2	7	11	24	56
Smithville	8	17	3	3	11	10	25	7	0	84	2	6	0	0	2	12	52	4	78
Spencertown	26	1	2	5	7	1	11	31	0	84	10	1	0	1	4	5	11	16	48
Wampsville	0	0	12	5	5	3	59	3	0	87	0	0	13	5	4	3	59	2	86
NEW JERSEY—																			
Bloomfield	4	16	0	2	1	17	27	17	0	84									
Burlington	17	19	2	2	1	6	24	8	3	82	1	2	0	0	0	2	13	1	19
Lumbertville	2	19	1	0	1	4	1	50	0	78									
PENNSYLVANIA—																			
Bedford	0	0	0	10	0	9	4	49	0	72	0	0	0	11	0	7	6	40	64

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	
PENNSYLVANIA—Continued.																			
Easton	8	7	4	2	0	1	21	25	16	84	4	6	2	0	0	21	20	27	80
Gettysburg	9	8	0	0	8	8	12	37	2	84	0	0	0	0	0	1	18	28	47
Harrisburg	13	5	1	5	6	0	0	53	0	83	1	1	0	0	2	0	0	25	29
Lima	12	14	3	0	1	2	1	39	12	84	6	1	0	0	0	0	13	18	38
Morrisville	7	11	1	3	0	8	21	26	7	84	6	10	2	0	0	7	23	14	62
Norristown	0	7	6	0	0	5	29	25	0	72	0	2	5	3	0	8	33	7	58
Philadelphia	5	12	0	0	1	10	18	38	0	84	0	0	0	0	0	0	9	5	14
Pittsburg, [M. H.]	0	0	16	0	4	40	30	5	17	112									
Pocopson	12	9	1	2	1	5	12	41	0	83	0	0	0	0	0	0	3	4	7
Pottsville	9	0	11	3	0	1	1	56	3	84	4	0	9	2	0	0	3	54	72
Randolph	3	1	0	9	2	15	23	17	13	83	2	0	0	2	0	6	18	7	35
West Haverford	3	8	2	0	0	1	4	27	12	57	2	3	0	0	0	0	4	19	28
MARYLAND—																			
Bladensburg	4	5	0	0	0	1	8	24	0	42									
Frederick	10	8	0	0	4	7	10	38	7	84	0	1	0	0	1	2	31	11	46
Sykesville	3	6	0	0	0	4	48	23	0	84	7	5	0	0	0	0	54	2	68
VIRGINIA—																			
Alexandria	25	6	3	4	11	4	5	28	0	84									
Lewisburg	2	0	0	0	0	2	5	0	0	9	1	0	0	0	0	0	18	5	24
Winchester	0	0	0	0	0	0	26	17	39	82	0	0	0	0	0	0	12	3	15
NORTH CAROLINA—																			
Chapel Hill	11	9	3	0	3	10	29	19	0	84	1	0	0	1	0	16	14	3	35
Thornbury	11	3	0	1	3	18	23	19	5	83	0	0	0	0	0	3	21	1	25
SOUTH CAROLINA—																			
All Saints	16	3	3	3	11	30	11	7	0	84	6	0	0	1	3	14	12	3	39
Camden	17	7	0	1	3	11	23	20	2	84	4	2	0	0	3	5	17	7	38
Charleston	2	19	1	4	0	11	7	12	0	56									
GEORGIA—																			
Augusta	0	0	0	3	2	19	14	1	0	39									
Savannah	16	0	7	1	6	13	15	26	0	84	0	9	0	0	1	1	4	0	6
Sparta	5	2	1	9	3	14	6	38	0	78	0	2	0	0	0	5	10	8	25
The Rock	2	2	0	4	0	4	0	12	0	24									
Whitemarsh island	3	9	1	3	6	21	11	13	17	84	1	4	0	0	1	8	7	8	29
FLORIDA—																			
Cedar Keys	16	13	3	2	7	9	7	21	6	84	5	1	1	0	3	7	8	9	34
Jacksonville	12	14	0	2	2	21	9	22	1	83	4	5	1	1	2	12	4	4	33
Key West	8	10	5	8	3	4	5	13	0	56									
Knox Hill	7	8	6	3	2	9	22	22	0	79	3	4	0	2	0	11	12	5	37
Warrington	10	10	1	6	5	16	6	26	4	84	2	0	0	1	2	16	5	31	57
ALABAMA—																			
Auburn	4	5	0	4	2	18	21	30	0	84	2	2	0	2	1	16	8	6	37
Greene Springs	7	1	3	7	1	4	16	11	24	74	3	1	0	0	0	9	7	5	25
Tuscaloosa	8	8	4	8	6	9	6	23	5	77	0	0	0	0	0	1	5	1	7
MISSISSIPPI—																			
Garlandsville	0	1	0	18	0	15	6	43	1	84	1	1	0	18	0	15	2	18	55
Oxford	7	8	1	2	8	14	22	22	0	84	3	3	0	0	4	7	13	3	33
LOUISIANA—																			
New Orleans	15	21	6	8	12	6	5	10	1	84	1	1	2	0	1	8	10	1	24
TEXAS—																			
Austin	24	2	1	11	5	9	9	20	3	84	10	1	0	3	8	9	5	20	56
New Wied	41	1	10	3	0	5	5	6	13	84	2	1	1	1	0	0	0	2	7
TENNESSEE—																			
Glenwood	9	7	0	2	7	12	15	19	13	84	3	2	0	0	1	6	22	15	49
Knoxville	21	3	2	1	22	18	5	12	0	84									
KENTUCKY—																			
Ballardsville	2	0	0	3	15	25	30	9	0	84	0	0	0	0	0	0	3	3	6
Danville	14	3	1	2	7	16	15	26	0	84	5	1	0	0	1	10	22	15	54
Millersburg	11	0	4	0	3	1	3	25	37	84									
Springdale	12	2	2	0	2	26	7	8	22	81									
OHIO—																			
Cincinnati, [Hurtt]	2	6	7	2	0	14	37	5	1	74	0	4	12	2	0	13	28	3	62
Cincinnati	8	7	6	0	0	20	8	7	0	56									

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south	South.	Between south and west	West.	Between north and west.	
Ohio—Continued.																			
Gallipolis	9	6	4	1	3	17	11	26	0	77									
Germantown	2	10	0	9	0	25	9	28	0	83	1	11	0	6	0	26	3	15	62
Granville	2	6	5	1	1	11	33	2	19	80	0	1	1	0	1	2	14	1	20
Hillsborough	2	7	0	6	3	18	2	18	0	56	0	0	0	0	0	0	0	1	1
Jackson, [Crookam]	18	6	13	3	2	6	21	9	6	84	9	2	0	0	1	0	20	8	40
Madison	2	11	4	10	8	25	24	3	0	87	3	9	5	9	9	17	14	2	68
Marietta	11	0	1	0	6	5	16	10	35	84	3	0	0	0	0	1	18	7	29
Mount Vernon	5	1	4	1	5	5	39	3	0	63	0	0	1	0	1	3	38	4	47
Newark	9	6	2	3	0	6	13	19	9	67	3	1	0	0	0	2	4	19	29
New Lisbon	4	2	6	6	2	25	21	18	0	84	0	2	5	1	2	13	24	22	69
Oberlin	4	4	4	3	8	18	17	10	5	73	1	0	0	1	1	4	18	0	25
Urbana	0	5	6	5	1	16	20	9	0	62	0	2	0	1	1	9	22	15	50
Zanesville	10	13	1	4	0	11	21	24	0	84									
Michigan—																			
Ann Arbor, [Woodruff]	11	3	7	3	1	21	7	22	6	81	4	0	1	2	0	4	17	18	46
Ann Arbor, [Winchell]	13	4	5	6	0	20	4	26	6	84	29	1	1	2	0	9	6	25	73
Battle Creek	7	3	7	5	4	17	12	20	9	84	4	2	7	0	3	10	26	25	77
Cooper	2	0	26	0	0	8	36	5	7	84	5	0	23	0	0	2	41	1	72
Detroit	5	21	0	1	2	29	8	18	0	84									
Flint	9	1	1	9	5	12	9	28	0	74									
Grand Rapids	1	13	7	1	0	5	27	4	20	78	1	0	0	0	0	1	6	1	9
Monroe, [Whelpley]	0	8	1	11	0	0	5	59	0	84	0	7	1	11	0	1	1	62	83
Monroe, [Perkins]	11	12	3	0	0	26	15	17	0	84									
St. James	5	5	7	6	2	12	20	25	2	84	0	0	1	0	0	15	7	20	43
Saugatuck	8	5	22	2	5	1	12	29	0	84									
Indiana—																			
Madison											1	10	3	4	2	28	16	20	84
Milton	4	5	4	4	2	7	16	16	26	84	0	0	0	0	2	1	1	0	4
New Harmony	9	3	2	6	2	5	18	11	0	56									
Illinois—																			
Athens	1	9	1	11	2	9	0	44	0	77	0	2	0	0	0	0	5	20	27
Augusta	7	5	2	7	4	8	18	27	6	84	3	0	0	0	1	2	4	6	16
Manchester	29	10	5	4	13	1	3	19	0	84	10	0	1	0	0	1	7	10	29
Ottawa	14	13	3	4	6	7	17	18	2	84	1	2	0	0	0	0	1	4	8
Upper Alton	17	3	1	8	1	17	12	24	0	83									
Missouri—																			
Hannibal	27	5	5	2	7	2	16	14	3	81	8	0	0	0	1	1	4	1	15
St. Louis	6	3	6	13	2	9	21	24	0	84									
Wisconsin—																			
Beloit	29	17	1	5	7	5	12	8	0	84	2	0	0	0	1	1	0	0	4
Ceresco	5	9	4	3	0	8	20	11	3	63									
Janesville	25	4	3	9	4	6	20	7	6	84									
Milwaukee, [Winkler]	6	15	1	12	1	7	9	33	0	84									
Platteville	9	9	10	3	6	1	25	21	0	84	5	6	6	0	2	3	25	12	59
Iowa—																			
Dubuque	26	9	8	5	5	3	1	11	15	83	1	0	0	0	0	0	0	9	10
Fort Madison	11	9	2	13	4	3	2	40	0	84	7	0	0	0	2	4	14	10	37
Muscatine	6	11	4	7	3	3	20	30	0	84	1	0	0	0	1	9	3	0	14
Pella	2	1	2	2	21	1	26	29	0	84									
Poultney	14	10	7	10	1	2	10	20	8	82	3	1	1	0	1	1	6	6	19
Quasqueton	13	14	2	7	0	6	7	27	0	76	0	0	0	0	0	0	2	2	4
Minnesota—																			
Lac qui Parle	15	3	9	1	15	1	7	33	0	84	4	1	9	0	10	1	3	18	46
St. Joseph's	28	3	4	4	11	8	5	17	2	82	18	1	1	2	3	3	1	6	35
California—																			
Sacramento, [Logan]	13	1	1	18	6	15	0	30	0	84									
Sacramento, [Hatch]	11	7	1	22	17	13	3	38	0	112									
Eastern Continent—																			
Mosul, Mesopotamia	4	4	4	3	2	1	3	4	1	26									

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north	Total.
BRITISH AMERICA—																			
St. Martin	0	17	0	4	2	40	9	21	0	93									
MAINE—																			
Carmel	1	6	0	2	0	8	11	48	5	81	0	2	0	3	0	4	2	22	33
Fryeburg	5	15	2	3	2	28	7	23	0	85	1	0	0	0	4	5	10	20	40
Gardiner	1	21	0	13	2	22	5	20	9	93	1	2	0	1	3	21	4	1	33
Oldtown	8	9	5	4	6	9	10	39	0	90	1	2	2	2	3	4	13	27	54
Perry	7	15	0	6	2	10	42	11	0	93	3	7	0	1	3	7	11	4	36
Steuben	0	22	1	6	1	25	9	24	5	93	0	4	1	0	0	20	21	6	52
NEW HAMPSHIRE—																			
Concord	1	8	0	0	0	30	1	53	0	93									
Exeter	7	2	2	1	2	18	32	27	0	91	6	2	2	1	0	14	26	13	64
Great Falls	2	11	0	0	1	24	16	28	0	82	0	1	0	0	0	8	3	6	18
Londonderry	0	2	2	2	2	5	6	47	27	93	0	0	0	0	0	2	7	13	22
Manchester	3	8	1	2	5	12	28	31	0	90	0	6	1	2	6	3	29	12	59
Salmon Falls	1	12	0	0	0	6	24	34	9	86	1	1	0	0	0	1	6	13	22
VERMONT—																			
Brandon	19	0	0	4	30	3	18	12	7	93	0	0	0	0	5	0	13	20	38
Burlington	22	5	1	4	26	4	13	18	0	93	0	0	0	0	0	2	0	1	3
Castleton	12	7	0	6	15	32	8	0	13	93	0	0	0	0	0	4	2	0	6
St. Johnsbury	0	0	3	3	0	15	1	69	0	91									
MASSACHUSETTS—																			
Amherst	2	4	3	17	1	10	1	53	0	91	1	0	0	1	2	2	5	22	33
Barnstable	13	6	3	3	2	24	21	14	7	93									
Boston	1	6	0	1	0	5	2	13	2	30									
Mendon	9	11	9	2	0	40	8	14	0	93	10	10	9	2	0	40	7	15	93
Nantucket	11	8	3	3	2	21	11	22	10	91									
New Bedford	7	8	2	5	3	26	5	36	1	93	3	2	2	2	0	4	3	10	26
Newburyport	13	4	3	11	9	5	28	14	0	87									
North Attleboro'	20	1	3	3	14	11	23	18	0	93	4	3	3	3	4	11	39	13	71
Princeton	3	6	9	2	2	9	41	21	6	99	1	2	4	0	1	4	32	8	52
Richmond	1	10	1	12	1	13	0	52	0	90	4	5	0	9	4	9	6	27	64
Southwick	4	9	1	2	12	1	4	10	2	45	1	0	0	1	0	6	6	3	17
Springfield	21	4	0	3	5	9	2	28	21	93	10	5	0	2	2	5	2	20	46
Westfield	6	11	2	3	10	8	28	12	0	80									
Williamstown	8	0	2	11	8	3	17	28	11	88	0	1	4	18	1	0	0	2	26
Worcester	0	8	0	1	0	23	1	60	0	93									
RHODE ISLAND—																			
Providence	7	7	5	1	3	21	6	43	0	93									
CONNECTICUT—																			
New London	11	4	7	0	5	24	11	31	0	93									
Pomfret	0	11	1	5	2	19	5	50	0	93	0	5	1	4	2	11	10	24	57
Saybrook	9	3	5	4	1	13	17	10	2	64	1	1	2	1	0	6	10	9	30
NEW YORK—																			
Angelica	1	18	1	5	3	41	22	2	0	93	0	0	0	0	1	15	37	16	69
Baldwinsville	3	0	4	6	0	11	25	42	0	91	0	0	0	0	0	0	34	33	67
Beverly	8	10	0	9	4	33	3	22	4	93	4	3	2	8	1	25	20	10	73
Canton	4	14	0	0	4	53	2	9	2	88	0	5	0	0	2	44	2	1	54
Fishkill	18	6	0	0	18	18	18	6	9	93									
Gouverneur	13	10	1	6	5	42	3	13	0	93	4	8	2	2	3	38	2	9	68
Lodi	5	0	2	16	6	20	14	23	7	93	1	0	0	0	2	5	19	5	32
Lowville	2	3	0	2	14	22	20	30	0	93	0	0	0	0	0	4	6	5	15
New York city	5	12	1	4	1	11	26	33	0	93	0	6	1	4	0	14	33	20	78
Ogdensburg	6	6	2	3	6	11	9	3	0	46									
Oswego	8	6	7	12	5	13	32	3	0	86									
Penn Yan	13	5	4	0	15	22	29	5	0	93									
Sag Harbor	8	10	4	5	4	23	12	22	2	90	2	3	2	4	1	25	15	17	69
Smithville	7	13	2	6	15	16	24	8	2	93	9	0	0	1	9	16	46	6	87
Spencertown	25	1	0	0	13	16	10	26	0	91	11	0	0	0	4	12	5	21	53
Wampsville	0	0	9	5	11	8	55	5	0	93	0	0	9	4	10	6	52	6	87
NEW JERSEY—																			
Bloomfield	3	10	1	2	4	41	13	19	0	93									

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Burlington	9	15	2	0	1	13	27	10	15	92	1	7	0	1	0	1	2	1	13
Lambertville	0	10	2	3	2	21	2	48	0	88									
PENNSYLVANIA—																			
Bedford	0	0	0	13	0	13	7	30	18	81	0	0	0	13	0	13	7	30	63
Easton	0	6	2	3	2	6	18	23	32	92	1	2	0	0	0	7	20	15	45
Gettysburg	10	10	0	1	7	19	17	23	5	92	1	4	0	1	5	4	23	18	56
Harrisburg	8	0	8	5	4	0	11	57	0	93	2	0	1	1	2	0	7	26	39
Lima	13	20	2	2	7	6	5	36	11	102	1	2	1	0	1	2	18	19	44
Morrisville	6	9	2	1	2	28	16	24	5	93	3	3	2	1	1	7	39	16	72
Moss Grove	1	0	2	6	5	9	48	5	0	76	0	0	1	3	1	12	44	3	64
Norristown	0	4	11	4	2	9	42	9	0	81	0	0	13	1	0	7	34	2	57
Philadelphia	7	13	1	3	3	20	12	34	0	93	0	0	0	0	0	3	8	4	15
Pittsburg, [M. H.]	0	0	15	1	16	30	41	2	19	124									
Pocopson	10	7	1	2	0	14	30	28	0	92	0	0	0	0	0	1	4	2	7
Pottsville	7	5	6	3	0	5	9	51	7	93	1	4	2	1	0	3	5	36	52
Randolph	0	1	0	13	12	20	19	18	10	93	1	1	0	4	0	4	33	11	54
West Haverford	0	5	5	4	0	8	7	24	9	62	1	2	0	0	0	4	8	9	24
MARYLAND—																			
Bladensburg	1	2	13	0	0	10	3	12	0	41									
Frederick	10	12	1	0	5	11	15	31	7	92	2	3	1	2	0	4	36	7	55
Sykesville	1	7	0	3	3	20	46	13	0	93	2	1	11	2	4	8	45	3	76
DISTRICT OF COLUMBIA—																			
Washington	0	5	6	2	2	4	14	13	5	51									
VIRGINIA—																			
Alexandria	15	16	0	3	24	6	2	25	0	91									
Ashland	5	0	0	0	7	30	1	10	44	97	1	0	0	0	0	9	13	2	25
Crichton's Store	26	2	1	7	17	22	10	7	1	93	10	1	0	0	1	16	30	11	69
Lewisburg	0	0	0	0	0	9	7	0	0	16	0	0	0	0	0	4	32	2	38
Winchester	0	0	3	1	7	5	20	5	52	93	0	0	0	0	0	0	4	0	4
NORTH CAROLINA—																			
Chapel Hill	17	5	2	3	6	21	20	19	0	93	4	0	0	0	3	20	5	7	39
Thornbury	8	7	9	1	5	33	7	16	0	86	0	7	0	0	2	18	9	1	37
SOUTH CAROLINA—																			
All Saints	11	5	5	1	7	47	8	9	0	93	4	2	0	0	1	22	11	4	44
Camden	7	11	0	3	4	28	19	16	5	93	5	4	0	0	0	13	11	5	38
Charleston	5	10	1	4	0	33	0	9	0	62									
GEORGIA—																			
Augusta	1	0	0	0	10	15	9	5	0	40									
Savannah	12	3	3	8	21	17	10	19	0	93	1	0	1	0	1	1	5	1	10
Sparta	2	10	1	4	3	34	7	29	0	90	0	2	0	0	0	16	11	8	37
The Rock	0	1	0	3	5	4	1	9	0	23									
Whitemarsh island	6	10	0	4	14	22	6	17	14	93	0	4	0	0	0	9	9	6	28
FLORIDA—																			
Cedar Keys	10	17	4	10	12	20	6	9	5	93	2	9	1	0	5	4	10	7	38
Jacksonville	12	19	1	1	5	34	8	10	2	92	3	2	0	2	0	12	11	1	34
Key West	11	3	7	16	2	1	3	19	0	62									
Knox Hill	11	9	9	7	5	24	12	14	0	91	2	2	2	5	5	22	15	5	58
Warrington	11	15	2	10	5	26	3	18	3	93	2	5	0	0	1	33	2	33	76
ALABAMA—																			
Auburn	2	10	4	5	8	29	12	22	1	93	1	6	0	1	0	16	3	6	33
Greene Springs	11	3	3	11	2	16	13	12	20	91	1	2	0	0	0	15	14	5	37
Tuscaloosa	3	14	2	5	16	11	9	18	3	81	0	0	0	0	0	2	4	4	10
MISSISSIPPI—																			
Garlandsville	0	13	0	10	0	39	5	26	0	93	0	7	0	5	0	32	6	3	53
Oxford	9	5	5	11	8	21	19	15	0	93	2	0	1	1	4	21	19	4	52
LOUISIANA—																			
New Orleans	11	21	4	8	15	17	9	6	2	93	4	3	1	0	2	7	7	1	25
TEXAS—																			
Austin	43	2	2	9	18	8	4	4	3	93	5	0	0	9	10	10	4	16	54
New Wied	37	2	5	14	6	5	12	2	10	93	1	0	2	0	0	2	0	7	12

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TENNESSEE—																			
Friendship	16	1	1	6	5	26	3	27	5	90	3	2	0	0	0	15	15	7	42
Glenwood	19	7	3	6	12	9	7	14	16	93	2	0	1	0	1	18	16	11	49
Knoxville	20	5	5	1	12	27	9	8	0	87	----	----	----	----	----	----	----	----	----
Lebanon	11	5	4	2	16	19	8	18	0	83	0	0	0	0	0	3	0	33	36
KENTUCKY—																			
Ballardsville	3	1	7	1	13	50	9	9	0	93	1	0	0	0	0	5	4	1	11
Danville	7	6	7	5	2	29	18	19	0	93	0	0	1	0	2	18	29	6	56
Millersburg	15	0	4	1	7	6	9	16	34	92	----	----	----	----	----	----	----	----	----
Springdale	0	5	6	3	6	35	4	12	22	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Berea	2	4	0	10	10	31	18	14	4	93	2	6	0	4	1	20	13	20	66
Cincinnati	1	4	1	1	0	9	7	6	2	31	----	----	----	----	----	----	----	----	----
Gallipolis	2	7	1	0	21	18	9	19	0	77	----	----	----	----	----	----	----	----	----
Germantown	0	4	3	7	0	36	8	32	0	90	0	2	1	6	0	33	3	19	64
Granville	1	8	2	1	1	18	26	4	14	75	0	4	0	0	0	8	15	3	30
Hillsborough	0	9	0	4	1	30	1	18	0	63	0	0	0	0	0	2	0	0	2
Jackson, [Crookham]	4	2	15	0	12	8	29	1	18	89	0	1	3	0	1	5	34	5	49
Marietta	3	1	1	1	8	13	12	12	41	92	0	2	0	1	0	8	22	1	34
Mount Vernon	2	3	1	3	10	16	30	1	26	92	1	1	2	0	2	9	24	3	42
Newark	4	1	3	3	4	11	18	20	29	93	1	2	1	1	1	12	21	14	53
New Lisbon	8	6	1	8	6	34	16	14	0	93	----	----	----	----	----	----	----	----	----
Oberlin	5	7	2	2	11	25	24	8	3	87	0	2	2	1	1	6	29	6	47
Urbana	0	6	0	3	5	30	18	7	0	69	0	6	0	0	1	7	35	9	58
Zanesville	5	0	0	3	2	30	29	24	0	93	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	1	8	5	8	0	43	6	15	4	90	0	3	1	3	0	6	31	15	59
Ann Arbor, [Winchell]	3	6	3	9	8	10	37	11	6	93	2	1	3	5	1	23	22	14	71
Battle Creek	0	2	8	2	7	33	28	7	6	93	0	2	1	1	0	17	51	8	80
Cooper	1	1	12	0	1	1	65	0	12	93	1	1	11	0	0	0	48	3	64
Detroit	3	12	4	0	2	49	8	15	0	93	----	----	----	----	----	----	----	----	----
Flint	8	3	2	7	14	14	21	15	0	84	----	----	----	----	----	----	----	----	----
Grand Rapids	4	7	7	2	2	25	17	6	16	86	2	1	0	0	1	8	8	1	21
Monroe, [Whelpley]	1	10	9	2	3	7	2	59	0	93	4	8	7	2	3	7	0	57	88
St. James	8	9	2	5	0	39	5	25	0	93	6	1	3	1	1	19	6	18	55
Saugatuck	12	6	13	4	6	10	18	24	0	93	6	1	4	1	2	16	31	29	90
INDIANA—																			
Madison	----	----	----	----	----	----	----	----	----	----	0	6	5	14	0	25	26	16	92
Milton	2	4	3	3	2	17	18	11	33	93	0	0	1	0	1	4	6	2	14
New Harmony	6	4	4	5	5	10	15	11	0	60	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	6	9	3	17	3	15	3	34	0	90	2	3	0	0	0	6	26	15	52
Augusta	2	13	0	11	9	11	25	19	3	93	0	3	1	1	2	1	11	8	27
Manchester	13	5	17	4	19	7	9	19	0	93	7	0	4	0	2	13	0	6	32
Ottawa	6	14	2	3	3	24	25	12	4	93	5	2	0	0	0	8	4	10	29
Upper Alton	9	6	0	6	5	15	11	27	13	92	----	----	----	----	----	----	----	----	----
MISSOURI—																			
Hannibal	20	5	8	4	19	11	14	10	2	93	6	1	0	0	0	4	16	6	33
St. Louis	1	6	7	12	7	21	22	17	0	93	1	2	1	0	1	2	20	18	45
WISCONSIN—																			
Beloit	24	7	0	2	20	16	14	10	0	93	4	0	0	0	0	2	3	2	11
Ceresco	6	5	3	3	12	22	27	9	0	87	----	----	----	----	----	----	----	----	----
Janesville	1	10	4	3	17	21	29	6	1	92	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	5	14	6	10	3	13	29	13	0	93	----	----	----	----	----	----	----	----	----
Platteville	2	10	2	6	14	8	35	16	0	93	1	9	0	3	9	9	27	11	69
IOWA—																			
Dubuque	11	8	1	1	7	12	12	22	15	89	1	0	0	0	1	3	6	10	21
Fort Madison	8	5	0	14	7	18	6	35	0	93	1	0	2	0	2	6	27	11	49
Muscatine	3	6	3	8	3	28	11	31	0	93	0	3	0	1	0	18	3	9	34
Pella	4	4	3	3	18	14	28	20	0	94	----	----	----	----	----	----	----	----	----
Poultney	6	5	2	13	9	9	9	36	1	90	2	2	1	1	0	2	7	6	21
Quasqueton	6	9	2	12	9	18	9	28	0	93	2	0	0	0	0	0	3	4	9

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MINNESOTA—																			
Lac qui Parle	10	6	1	3	17	9	14	32	1	93	6	2	3	1	3	2	6	11	34
CALIFORNIA—																			
Sacramento, [Logan]	6	1	1	24	11	15	3	32	0	93	----	----	----	----	----	----	----	----	----
Sacramento, [Hatch]	7	9	4	33	35	6	2	28	0	124	----	----	----	----	----	----	----	----	----
San Francisco	16	2	2	18	18	26	26	16	0	124	----	----	----	----	----	----	----	----	----

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
St. Martin	3	19	1	9	2	28	6	22	0	90	0	0	0	0	0	1	0	0	1
MAINE—																			
Carmel	3	6	0	12	0	14	5	23	10	73	2	5	0	6	0	8	2	9	32
Fryeburg	8	5	4	6	7	32	10	14	0	86	1	0	0	0	0	7	7	19	34
Gardiner	4	12	1	14	5	23	1	23	7	90	0	0	0	0	2	9	2	8	21
Oldtown	4	2	13	11	8	9	11	26	5	89	4	1	7	3	3	5	11	15	49
Perry	4	6	3	12	5	22	8	30	0	90	9	2	5	3	9	7	9	5	49
Steuben	1	16	2	7	0	39	1	20	3	89	5	7	0	1	0	20	4	14	51
NEW HAMPSHIRE—																			
Concord	0	6	0	16	1	39	0	28	0	90									
Exeter	3	10	7	6	3	12	33	11	0	85	3	8	7	5	2	10	18	6	59
Great Falls	0	6	0	6	11	13	12	29	0	77	0	0	0	0	1	6	1	8	16
Londonderry	1	1	3	13	7	6	8	27	24	90	0	0	1	3	4	4	8	13	33
Manchester	2	3	3	8	16	4	8	27	0	71	2	2	3	4	9	0	16	8	44
VERMONT—																			
Brandon	20	0	1	7	30	5	4	10	13	90	2	0	0	0	3	1	7	14	27
Burlington	19	2	0	2	42	0	5	20	0	90	0	0	0	0	0	0	0	2	2
Craftsbury											5	4	1	0	9	1	26	13	59
St. Johnsbury	0	0	0	0	0	39	1	49	0	89									
MASSACHUSETTS—																			
Amherst	0	2	4	35	2	6	0	37	0	86	0	0	1	3	3	1	5	18	31
Boston	0	10	2	13	2	12	2	21	2	64									
Mendon	0	22	3	5	1	32	7	20	0	90	0	18	5	4	1	38	7	16	89
Nantucket	3	11	4	11	8	23	5	18	7	90									
New Bedford	2	7	2	15	6	27	5	26	0	90	2	2	0	0	5	0	5	11	25
Newburyport	9	4	5	7	16	4	17	23	0	85									
North Attleboro'	6	6	5	5	27	10	17	14	0	90	3	4	9	0	8	6	16	14	60
Princeton	1	9	3	6	1	14	35	21	0	90	1	6	2	4	0	6	18	12	49
Richmond	0	10	0	15	0	28	1	35	0	89	1	15	0	15	3	16	3	18	71
Southwick	2	8	2	4	11	2	3	8	5	45	1	3	1	1	0	7	4	4	21
Springfield	4	5	0	0	11	12	0	27	31	90	2	3	0	0	8	3	1	23	40
Westfield	4	5	6	9	5	10	15	16	0	70									
Williamstown	6	0	0	9	14	4	13	15	6	67	1	1	0	6	4	0	1	2	15
Woo l's Hole	5	2	6	9	15	26	10	11	6	90									
Worcester	0	6	2	11	0	21	1	49	0	90									
RHODE ISLAND—																			
Providence	1	9	7	7	8	20	4	33	0	89									
CONNECTICUT—																			
New London	0	8	6	10	3	31	3	29	0	90									
Pomfret	2	7	3	6	14	17	3	38	0	90	2	4	3	4	8	13	6	21	61
Saybrook	4	3	8	8	4	15	15	21	7	85	1	2	6	1	8	3	8	8	37
NEW YORK—																			
Angelica	2	3	3	2	4	24	35	17	0	90	0	1	0	0	0	9	33	2	45
Baldwinsville	0	3	13	3	3	14	15	33	0	84	1	2	3	0	0	2	38	17	63
Beverly	6	11	0	9	14	28	2	14	4	88	1	5	1	16	3	11	12	5	54
Canton	2	14	0	0	6	53	2	13	0	90	0	8	0	0	5	40	0	6	59
Fishkill	9	3	3	0	48	3	6	15	3	90									
Gouverneur	13	2	0	0	10	58	3	4	0	90	5	1	0	0	4	41	3	4	58
Lodi	4	4	2	10	11	16	9	27	7	90	0	0	0	0	1	3	22	13	39
Lowville	14	3	4	7	13	14	6	29	0	90	1	1	0	1	0	1	5	5	14
New York city	4	15	3	12	1	7	15	33	0	90	2	7	0	2	0	9	27	16	63
Ogdensburg	10	1	3	1	4	12	2	6	0	39									
Penn Yan	6	9	0	0	21	21	31	2	0	90									
Sag Harbor	3	9	3	10	10	22	9	21	0	87	0	4	1	4	0	16	15	16	56
Smithville	4	6	5	0	19	31	15	8	2	90	9	4	0	0	1	24	21	12	71
Spencertown	24	0	1	4	22	16	3	18	0	88	13	0	0	1	7	13	7	15	56
Wampsville	0	0	8	5	18	8	46	4	1	90	1	0	9	3	15	5	40	5	78
NEW JERSEY—																			
Bloomfield	0	1	0	0	0	12	5	0	0	18									
Burlington	5	15	3	1	5	2	22	9	28	90	1	7	0	0	0	1	2	0	11
Lambertville	0	14	1	12	3	14	0	37	0	81									

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	8	0	21	4	42	0	75	1	0	0	1	0	18	5	18	43
Easton	0	2	3	12	6	3	9	26	29	90	3	0	0	2	5	4	11	10	35
Gettysburg	3	8	1	0	5	29	11	25	8	90	1	3	0	0	1	8	28	13	54
Harrisburg	1	1	10	16	10	1	13	34	0	86	0	0	1	5	3	1	2	12	24
Lima	4	17	4	8	9	2	2	22	22	90	4	0	3	0	2	3	21	20	53
Morrisville	3	13	1	2	6	23	14	18	10	90	2	7	0	0	0	7	23	19	58
Moss Grove	6	0	4	3	9	7	24	13	3	69	0	0	0	0	0	5	31	11	47
Norristown	0	6	14	5	1	3	19	27	0	75	0	4	9	1	0	5	18	9	46
Philadelphia	3	18	6	3	5	18	9	28	0	90	0	0	0	0	1	3	6	5	15
Pittsburg, [M. H.]	0	0	6	4	7	20	43	1	39	120	----	----	----	----	----	----	----	----	----
Pocopson	7	4	2	0	3	19	30	25	0	90	2	0	0	1	0	0	8	1	12
Pottsville	8	7	6	8	2	12	1	41	5	90	6	0	1	0	1	7	3	33	51
Randolph	1	0	1	11	18	4	9	30	16	90	3	0	0	0	0	4	21	18	46
West Haverford	2	11	0	2	1	22	2	15	5	60	1	0	0	0	0	3	8	13	25
MARYLAND—																			
Bladensburg	2	3	5	0	3	8	1	13	0	35	----	----	----	----	----	----	----	----	----
Frederick	6	6	1	3	11	21	14	21	3	86	1	3	0	0	0	4	28	1	37
Sykesville	5	1	0	4	5	21	45	9	0	90	0	1	0	3	2	6	50	5	67
DISTRICT OF COLUMBIA—																			
Washington	0	11	5	10	4	9	18	7	26	90	0	0	0	0	1	0	1	1	3
VIRGINIA—																			
Alexandria	8	11	4	7	27	5	3	25	0	90	----	----	----	----	----	----	----	----	----
Ashland	1	0	0	0	2	14	2	16	55	90	0	0	0	0	0	1	17	2	20
Crichton's Store	16	3	0	1	39	16	13	2	0	90	3	1	1	0	3	21	38	4	71
Lewisburg	0	0	0	0	0	0	11	0	0	11	0	0	0	0	2	0	22	0	24
Winchester	0	0	0	3	8	1	23	0	55	90	0	0	0	0	0	0	5	0	5
NORTH CAROLINA—																			
Chapel Hill	12	3	6	6	17	13	23	10	0	90	2	0	0	0	6	21	6	3	38
Thornbury	3	3	7	1	9	31	16	7	2	79	1	0	0	0	0	7	10	1	19
SOUTH CAROLINA—																			
All Saints	4	10	10	8	18	34	4	2	0	90	7	8	4	3	1	17	4	2	46
Camden	5	11	4	15	9	27	9	8	2	90	0	1	1	1	0	12	16	8	39
Charleston	0	13	7	13	0	25	1	1	0	60	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	6	10	9	18	20	13	9	5	0	90	1	0	0	0	1	1	2	1	6
Sparta	4	10	5	16	3	35	1	15	0	89	2	0	1	5	2	10	8	12	40
The Rock	0	3	4	7	3	6	1	5	0	29	----	----	----	----	----	----	----	----	----
Whitemarsh Island	3	21	6	3	24	11	9	1	12	90	2	6	0	4	0	3	5	7	27
FLORIDA—																			
Cedar Keys	10	19	5	3	9	8	27	6	3	90	10	4	4	0	1	2	8	2	31
Jacksonville	2	25	5	5	16	26	3	5	3	90	2	8	5	1	0	9	9	0	34
Key West	9	22	18	3	1	1	1	4	1	60	----	----	----	----	----	----	----	----	----
Knox Hill	2	8	7	7	4	20	16	5	0	69	1	1	2	7	5	13	11	2	42
Warrington	2	2	2	21	16	28	1	10	8	90	2	1	0	10	1	15	3	31	63
ALABAMA—																			
Auburn	0	4	6	10	7	31	24	8	0	90	1	2	0	4	2	12	8	4	33
Greene Springs	2	2	6	13	3	5	17	5	19	72	0	0	0	0	3	7	8	7	25
MISSISSIPPI—																			
Garlandsville	0	1	1	23	3	38	9	13	1	89	0	2	1	16	2	28	19	7	75
Oxford	0	9	14	9	8	20	22	8	0	90	0	3	2	2	2	17	24	5	55
LOUISIANA—																			
New Orleans	6	7	7	27	23	7	6	7	0	90	1	1	0	2	6	4	4	2	20
TEXAS—																			
Austin	6	4	0	37	33	3	0	6	1	90	6	0	1	17	28	18	1	10	81
New Wied	9	2	5	15	29	15	2	3	10	90	0	0	4	0	6	0	2	4	16
TENNESSEE—																			
Friendship	2	9	5	13	2	30	6	14	8	89	1	1	0	0	0	14	22	15	53
Glenwood	10	16	4	13	16	9	3	4	15	90	1	2	0	0	0	16	37	9	65
Knoxville	13	17	1	2	22	21	7	4	0	87	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Danville	11	22	3	3	4	28	13	6	0	90	3	0	0	1	2	12	24	3	45
Millersburg	5	0	9	3	2	5	11	8	46	89	----	----	----	----	----	----	----	----	----

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Cincinnati	0	17	8	4	2	14	3	12	0	60	----	----	----	----	----	----	----	----	----
Gallipolis	5	3	8	0	29	17	4	15	0	81	----	----	----	----	----	----	----	----	----
Germantown	13	9	0	4	1	40	1	10	0	78	4	1	0	2	0	31	2	5	45
Granville	2	0	0	0	1	16	4	9	47	79	0	0	0	0	0	7	3	3	13
Hillsborough	5	9	0	6	1	24	0	15	1	61	0	0	0	0	0	2	1	2	5
Jackson, [Brookham]	7	7	18	2	5	7	22	3	16	87	3	0	0	0	0	0	34	0	37
Jackson, [Wood]	1	3	2	3	4	4	14	1	17	49	2	0	3	1	3	4	26	2	41
Marietta	3	0	0	0	7	5	6	12	51	84	2	1	0	0	0	1	18	3	25
Mount Vernon	0	1	1	0	4	14	27	2	41	90	0	0	1	1	0	7	23	2	34
Newark	5	0	4	2	1	6	14	16	40	88	2	0	1	1	0	4	17	14	39
New Lisbon	11	1	3	2	16	16	8	32	1	90	----	----	----	----	----	----	----	----	----
Oberlin	8	5	2	3	17	16	10	14	10	85	1	0	0	0	0	1	35	5	42
Savannah	4	0	0	0	29	43	2	0	0	78	2	0	0	0	0	24	22	2	50
Unionville	----	----	----	----	----	----	----	----	----	----	3	0	4	5	8	7	24	5	56
Urbana	0	0	0	0	0	6	39	5	0	50	1	3	0	7	13	19	4	13	60
Zanesville	19	2	1	1	1	20	12	32	0	88	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	6	1	1	17	8	23	6	16	11	89	3	0	0	0	1	5	29	17	55
Ann Arbor, [Winchell]	5	0	5	11	6	13	17	17	16	90	2	0	0	0	4	13	34	11	64
Battle Creek	4	1	6	6	14	22	14	16	7	90	3	1	4	3	9	15	24	13	72
Cooper	2	0	8	2	4	0	55	1	18	90	1	0	9	2	0	1	26	2	41
Detroit	4	19	5	3	4	32	7	16	0	90	----	----	----	----	----	----	----	----	----
Flint	7	5	0	4	18	20	10	15	0	79	----	----	----	----	----	----	----	----	----
Grand Rapids	0	1	9	1	4	18	14	8	34	89	0	0	0	0	0	4	3	5	12
Monroe, [Whelpley]	2	10	10	13	4	6	0	45	0	90	0	7	7	9	6	5	1	49	84
St. James	4	8	5	8	7	33	1	24	0	90	0	1	0	3	3	33	2	7	49
Saugatuck	22	7	14	8	17	6	9	7	0	90	9	0	0	0	2	3	32	13	59
INDIANA—																			
Madison	----	----	----	----	----	----	----	----	----	----	0	10	9	19	2	26	13	11	90
Milton	0	4	2	9	1	18	7	8	41	90	0	0	0	0	0	0	1	0	1
New Harmony	13	3	9	4	10	10	6	5	0	60	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	3	11	3	22	6	18	1	14	0	78	0	0	0	0	0	7	32	7	46
Augusta	2	14	6	13	16	19	11	6	3	90	1	1	0	0	2	11	11	2	28
Manchester	7	7	9	3	22	19	13	9	0	89	5	0	2	0	6	9	17	3	42
Ottawa	7	12	7	9	14	24	6	6	5	90	0	1	0	1	0	13	6	9	30
Upper Alton	14	10	0	13	13	27	6	16	0	99	----	----	----	----	----	----	----	----	----
MISSOURI—																			
Hannibal	22	9	7	9	21	8	0	7	4	87	1	0	1	0	4	22	20	1	49
St. Louis	8	11	13	22	11	10	5	10	0	90	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	26	0	2	4	24	12	11	11	0	90	3	0	0	0	3	6	0	1	13
Ceresco	10	6	11	1	6	25	21	2	5	87	----	----	----	----	----	----	----	----	----
Janesville	9	1	1	11	26	20	11	3	8	90	----	----	----	----	----	----	----	----	----
Milwaukee	6	16	15	14	1	19	8	11	0	90	----	----	----	----	----	----	----	----	----
Platteville	11	3	4	18	12	12	13	17	0	90	2	0	0	0	1	13	42	7	65
IOWA—																			
Dubuque	14	3	1	9	18	9	5	8	15	82	2	0	0	0	1	8	12	6	29
Fort Madison	8	15	1	26	2	19	0	19	0	90	0	0	1	1	0	13	34	11	60
Muscatine	2	18	1	22	9	12	6	20	0	90	0	2	0	1	0	22	0	2	27
Pella	9	3	6	3	43	0	22	4	0	90	----	----	----	----	----	----	----	----	----
Poultney	8	7	2	24	9	13	2	16	3	84	2	0	1	2	3	3	9	5	25
Quasqueton	5	12	1	18	7	19	11	13	0	86	1	0	0	0	0	4	4	5	14
MINNESOTA—																			
Lac qui Parle	1	1	4	4	14	18	6	42	0	90	0	1	2	2	4	3	18	4	34
EASTERN CONTINENT—																			
Mosul, Mesopotamia	3	1	1	6	4	0	0	2	3	20	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
St Martin	4	21	2	9	0	22	2	33	0	93	3	2	0	0	6	0	0	0	11
MAINE—																			
Carmel	0	2	1	7	0	4	0	27	3	44	0	0	0	7	0	3	0	14	24
Fryeburg	13	11	4	2	3	12	6	16	0	67	1	1	1	0	0	2	4	18	27
Gardiner	3	27	0	15	4	16	2	11	13	91	5	8	0	1	3	7	1	11	36
Oldtown	11	13	9	9	13	5	11	9	9	89	13	8	2	5	3	1	12	7	51
Perry	2	20	3	20	8	14	1	25	0	93	13	20	1	5	6	5	1	16	67
Steuben	1	38	1	10	0	29	2	12	0	93	4	21	1	0	0	9	6	9	50
NEW HAMPSHIRE—																			
Concord	7	18	2	17	1	18	0	30	0	93	----	----	----	----	----	----	----	----	----
Exeter	10	12	8	13	1	12	11	17	0	84	10	9	5	8	0	8	5	11	56
Great Falls	3	23	0	10	3	19	1	22	0	81	1	5	0	1	0	8	1	10	26
Manchester	20	14	3	3	11	14	9	19	0	93	1	9	3	1	4	2	32	15	67
VERMONT—																			
Brandon	45	0	3	3	21	1	1	9	6	89	15	1	0	0	1	1	0	11	29
Burlington	44	4	0	0	30	1	0	14	0	93	1	2	0	0	1	0	9	3	16
Craftsbury	12	23	4	5	22	10	4	13	0	93	9	13	1	0	7	6	12	13	61
St. Johnsbury	4	9	0	0	1	13	1	54	0	82	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—																			
Amherst	10	8	3	27	1	5	3	34	0	91	3	6	1	0	1	4	3	17	35
Boston	18	11	15	6	6	10	18	9	0	93	----	----	----	----	----	----	----	----	----
Mendon	5	22	16	2	0	37	4	7	0	93	7	20	15	2	0	35	2	12	93
Nantucket	8	20	4	4	4	25	5	13	10	93	----	----	----	----	----	----	----	----	----
New Bedford	7	25	0	8	4	27	2	18	2	93	3	7	0	0	0	0	2	11	23
Newburyport	21	16	4	10	15	7	10	6	0	89	7	2	0	5	2	0	4	0	20
North Attleboro'	26	10	2	3	26	5	4	17	0	93	18	6	2	2	20	2	6	14	70
Princeton	12	25	2	6	4	14	18	12	0	93	3	11	1	1	2	4	22	11	55
Richmond	0	31	0	9	0	31	0	22	0	93	3	20	0	12	0	16	5	7	63
Southwick	5	19	2	1	4	7	5	3	2	48	2	4	0	1	0	8	3	2	20
Springfield	13	18	2	0	1	19	1	15	24	93	4	14	0	1	0	7	0	7	33
Westfield	5	7	3	3	3	6	23	20	0	70	----	----	----	----	----	----	----	----	----
Williamstown	22	0	3	1	12	3	7	10	24	82	5	1	1	2	10	1	0	0	20
Worcester	2	9	0	6	0	20	3	53	0	93	3	3	2	0	4	3	0	1	16
RHODE ISLAND—																			
Providence	7	14	3	5	17	11	0	36	0	93	----	----	----	----	----	----	--	----	----
CONNECTICUT—																			
New London	12	14	0	6	13	29	0	19	0	93	----	----	----	----	----	----	----	----	----
Pomfret	19	13	0	3	18	8	2	30	0	93	12	10	0	1	7	6	2	27	65
Saybrook	16	13	2	10	8	16	6	7	8	86	4	6	4	0	4	2	2	15	37
NEW YORK—																			
Angelica	4	6	1	14	4	20	22	21	0	92	0	2	0	2	1	9	21	3	38
Baldwinsville	25	5	3	3	9	6	10	27	0	88	0	2	0	1	0	2	21	18	44
Beverly	9	12	0	10	14	18	1	24	2	90	0	13	2	10	2	30	18	10	85
Canton	7	31	0	1	0	34	1	15	2	91	0	13	0	0	0	23	3	8	47
Fishkill	36	9	6	0	27	3	3	0	9	93	----	----	----	----	----	--	----	----	----
Gouverneur	7	27	5	1	0	46	0	7	0	93	2	6	0	0	0	25	1	14	48
Lodi	16	4	4	7	8	6	8	31	9	93	6	0	0	1	0	1	6	16	30
Lowville	19	10	4	3	9	10	12	26	0	93	5	2	0	0	1	0	3	6	17
Madrid	10	16	0	0	0	10	10	4	24	74	6	4	2	0	0	7	11	4	34
New York city	5	17	3	19	4	5	16	24	0	93	6	10	1	2	0	6	27	8	60
Ogdensburg	13	5	0	0	3	8	1	2	0	32	----	----	----	----	----	----	----	----	----
Oswego	1	18	2	2	15	3	42	2	8	93	----	----	----	----	----	----	----	----	----
Penn Yan	13	7	3	3	17	11	23	16	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	8	16	1	14	4	22	12	14	2	93	4	16	1	1	0	10	7	26	65
Smithville	11	17	4	1	12	30	16	2	0	93	15	6	0	0	3	11	17	6	58
Spencertown	28	4	4	2	27	9	3	16	0	93	16	3	2	1	4	3	8	15	52
Wampsville	1	6	6	4	13	7	48	6	0	91	0	4	5	4	11	6	33	6	69
NEW JERSEY—																			
Bloomfield	2	13	6	13	6	8	4	41	0	93	3	1	0	0	6	0	5	1	16
Burlington	8	17	1	1	3	11	13	13	25	92	2	11	2	1	0	2	1	6	25
Lambertville	3	19	0	11	3	13	1	39	0	89	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	2	1	0	12	3	14	10	39	0	81	0	0	0	6	1	12	6	18	43
Easton	6	4	1	15	4	3	1	32	27	93	11	3	0	1	1	5	4	4	29
Gettysburg	22	12	1	7	6	21	5	17	0	91	6	2	1	4	0	11	11	23	58
Harrisburg	8	2	5	17	7	0	10	44	0	93	2	0	2	5	4	2	6	17	38
Lima	20	22	4	4	8	7	3	11	14	93	9	2	0	2	1	2	9	25	50
Meadville	5	1	1	8	8	10	3	33	14	83	3	0	0	4	5	10	8	8	38
Morrisville	7	9	3	4	5	25	9	20	11	93	6	6	1	1	0	6	20	17	57
Moss Grove	4	4	13	12	3	4	31	5	9	85	0	0	5	1	1	4	28	0	39
Norristown	4	2	13	5	0	19	14	24	0	81	1	1	6	1	0	9	37	5	60
Philadelphia	4	17	3	3	4	17	5	40	0	93	1	1	0	0	1	4	2	9	18
Pittsburg, [M. H.]	2	1	26	5	12	13	30	4	31	124									
Pocopson	15	11	4	2	1	18	15	25	0	91	0	0	1	0	0	1	2	2	6
Pottsville	26	8	3	16	0	12	3	23	2	93	17	6	2	2	0	5	0	19	51
Randolph	4	6	4	9	4	9	5	28	20	89	1	2	0	5	0	2	17	19	46
West Haverford	12	6	1	1	0	12	5	19	6	62	4	6	1	0	0	4	7	11	33
MARYLAND—																			
Bladensburg	3	2	5	1	2	4	4	10	0	31									
Frederick	5	0	0	1	4	9	24	10	33	86	4	0	0	1	4	8	24	11	52
Sykesville	3	0	2	1	8	14	49	16	0	93	0	0	4	3	4	2	54	3	70
DISTRICT OF COLUMBIA—																			
Washington	0	19	1	11	2	17	10	22	11	93	5	2	0	0	0	4	4	5	20
VIRGINIA—																			
Alexandria	10	3	3	4	22	9	7	35	0	93	5	2	0	0	8	5	0	0	20
Ashland	14	3	0	0	8	14	0	4	50	93	2	1	0	0	0	9	16	2	30
Crichton's Store	22	2	0	0	29	13	7	6	0	79	11	1	1	0	12	22	27	5	79
Lewisburg	8	0	0	0	0	0	9	5	0	22	5	0	2	0	13	3	20	5	48
Winchester	0	0	1	7	9	8	28	0	40	93	0	0	0	0	0	1	15	2	18
NORTH CAROLINA—																			
Chapel Hill	10	25	5	7	2	6	28	9	0	92	3	7	6	0	5	15	10	7	53
SOUTH CAROLINA—																			
All Saints	6	5	7	12	26	24	8	5	0	93	5	3	6	4	7	10	22	6	63
Camden	4	18	4	9	3	20	20	14	1	93	3	6	2	3	1	15	17	15	62
Charleston	0	4	7	16	0	22	2	11	0	62									
GEORGIA—																			
Augusta	0	1	0	2	2	5	2	0	0	12									
Savannah	8	5	14	22	19	8	6	11	0	93	0	0	0	1	0	3	4	2	10
Sparta	1	20	10	19	2	19	5	16	0	92	0	7	2	3	0	14	7	10	43
The Rock	0	2	2	4	9	8	0	6	0	31									
Whitemarsh Island	3	12	3	13	18	12	5	7	20	93	1	6	4	7	2	5	0	23	48
FLORIDA—																			
Cedar Keys	3	21	4	2	2	8	31	7	1	79	1	9	5	0	3	5	15	4	42
Jacksonville	2	32	7	17	2	25	1	7	0	93	0	7	4	15	0	15	12	5	58
Key West	2	8	17	14	1	1	5	12	2	62									
Knox Hill	6	8	8	7	12	23	22	1	0	87	0	4	1	9	11	20	16	4	65
Warrington	5	6	1	22	9	45	0	3	2	93	0	4	0	17	5	31	6	29	92
ALABAMA—																			
Auburn	0	4	3	9	27	19	16	11	0	89	1	1	4	0	17	11	13	4	51
Greene Springs	5	5	23	9	2	4	14	5	23	90	0	1	0	0	3	14	16	14	48
MISSISSIPPI—																			
Garlandsville	2	10	0	11	2	27	25	16	0	93	1	5	1	11	0	29	20	13	80
Oxford	2	3	8	24	18	20	9	7	2	93	15	16	7	3	2	8	7	2	60
LOUISIANA—																			
New Orleans	2	9	9	18	13	17	17	8	0	93	1	2	1	0	4	9	17	5	39
TEXAS—																			
Austin	1	21	0	33	22	8	0	8	0	93	3	12	3	19	18	19	5	28	107
New Wied	3	6	4	29	18	22	2	1	8	93	0	0	0	3	2	5	0	9	19
TENNESSEE—																			
Friendship	1	2	2	14	3	24	21	21	5	93	2	0	0	0	0	20	17	16	55
Glenwood	1	12	6	9	12	7	5	4	37	93	3	4	0	0	0	28	36	9	80
Knoxville	16	22	3	1	11	21	11	5	0	90									
KENTUCKY—																			
Millersburg	9	2	24	3	9	0	17	9	20	93	10	0	0	5	9	23	0	0	47
Springdale	4	16	7	2	9	20	6	0	29	93									

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Cincinnati	0	12	14	14	0	11	8	3	0	62									
Cleveland	25	13	0	6	8	7	10	14	1	84	4	2	0	0	4	5	7	1	23
Gallipolis	7	9	18	2	24	18	10	2	0	90									
Germantown	8	38	1	5	2	26	3	6	0	89	4	14	1	3	1	28	2	4	57
Granville	6	14	4	1	1	14	5	4	31	80	0	1	0	2	1	6	8	5	23
Hillsborough	0	23	0	8	2	20	1	7	0	61	3	3	1	0	5	3	0	0	15
Jackson, [Crookham]	11	13	8	2	7	5	16	3	25	90	8	1	0	0	4	4	20	4	41
Jackson, [Gilmor]											2	0	3	4	3	7	27	24	70
Marietta	7	0	0	7	3	1	4	11	46	79	5	0	0	0	1	4	11	6	27
Newark	21	3	7	3	5	10	2	3	26	80	13	1	3	2	3	12	3	8	45
New Lisbon	24	4	6	4	5	15	12	23	0	93									
Oberlin	23	21	4	7	4	8	7	10	8	92	0	5	0	1	0	6	32	1	45
Savannah	9	11	0	7	8	22	11	25	0	93	8	2	0	3	3	15	6	14	51
Unionville	19	14	11	5	9	10	21	4	0	93	7	0	11	3	2	5	27	3	58
Urbana	5	8	3	11	2	18	5	8	0	60	1	5	1	1	1	15	17	5	46
MICHIGAN—																			
Ann Arbor, [Woodruff]	16	30	5	7	6	9	4	2	14	93	6	2	0	2	1	5	21	12	49
Ann Arbor, [Winchell]	14	8	27	7	3	9	11	4	10	93	21	2	1	4	3	5	13	1	50
Battle Creek	12	24	17	9	2	12	7	3	7	93	3	0	3	0	0	13	32	6	57
Cooper	2	1	25	0	1	0	35	2	27	93	0	0	15	2	1	0	10	1	29
Detroit	0	47	22	1	2	14	3	4	0	93	0	3	0	6	0	1	1	0	11
Flint	25	8	4	0	18	17	9	6	0	87									
Grand Rapids	1	28	16	5	2	8	7	1	23	91	0	3	0	2	3	3	4	1	16
Monroe, [Whelpley]	3	11	26	19	0	10	1	22	0	92	1	12	25	10	0	5	1	22	76
St. James	0	4	18	11	4	18	2	20	16	93	0	0	1	0	0	17	2	5	25
Saugatuck	24	16	30	6	5	7	1	4	0	93	3	5	3	4	2	7	18	20	62
INDIANA—																			
Madison										93	3	17	7	11	8	18	17	12	93
Milton	1	23	1	4	3	13	2	1	45	93	1	4	0	0	0	7	0	0	12
New Harmony	12	2	11	8	9	9	8	4	0	63									
ILLINOIS—																			
Athens	3	25	0	32	7	3	3	10	0	83	2	18	0	23	6	7	9	12	77
Augusta	1	19	21	12	8	10	6	3	13	93	0	5	2	0	3	4	5	2	21
Manchester	14	10	4	2	19	14	24	6	0	93	5	1	1	1	5	12	31	14	70
Ottawa	8	32	13	6	8	17	2	5	2	93	1	5	1	0	1	5	6	8	27
Upper Alton	8	15	2	19	10	24	4	23	0	105	6	2	0	0	3	2	2	0	15
MISSOURI—																			
Hannibal	11	12	10	11	28	6	5	5	5	93	6	1	1	5	8	10	14	6	51
St. Louis	5	12	21	23	6	7	11	8	0	93									
WISCONSIN—																			
Beloit	18	30	10	5	15	9	5	1	0	93	2	3	2	5	5	0	3	1	21
Ceresco	1	13	6	7	3	12	2	3	20	67	4	1	0	1	1	1	4	0	12
Janesville	5	22	6	21	11	12	0	2	14	93									
Madison	12	19	5	14	10	13	5	8	7	93	2	1	0	0	8	0	2	2	15
Milwaukee, [Winkler]	3	44	18	12	0	6	5	5	0	93	2	3	0	0	7	0	0	2	14
Platteville	11	8	23	23	10	3	5	10	0	93	2	1	8	5	0	5	38	6	65
IOWA—																			
Dubuque	3	18	4	19	11	4	1	4	23	87	1	3	2	1	6	14	8	4	39
Fort Madison	7	27	19	28	3	3	1	5	0	93	3	6	3	6	10	7	25	1	61
Muscatine	3	16	26	28	3	11	2	4	0	93	0	1	0	1	0	26	2	3	33
Pella	11	10	9	8	35	4	12	4	0	93	3	1	0	0	4	1	2	2	13
Poultney	5	16	14	18	6	16	2	7	8	92	0	1	4	1	3	5	9	3	26
Quasqueton	9	17	3	22	10	1	5	12	1	80	0	0	3	1	1	3	1	2	11
MINNESOTA—																			
Lac qui Parle	0	11	7	18	30	8	4	15	0	93	0	0	11	6	4	2	13	2	38
EASTERN CONTINENT—																			
Mosul, Mesopotamia	8	6	2	1	2	1	1	4	4	29									

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Red River Settlement	18	12	1	1	15	8	16	7	6	84	15	12	2	3	11	2	14	2	61
St. Martin	0	16	2	6	3	46	9	8	0	90	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	1	2	11	0	22	17	10	10	73	0	1	2	10	0	17	15	4	49
Fryeburg	2	8	4	5	5	26	11	11	2	74	0	0	1	1	1	8	11	8	30
Gardiner	2	8	0	24	3	25	4	13	11	90	1	1	0	2	5	19	3	17	48
Oldtown	0	0	1	2	10	14	20	5	3	55	0	0	2	0	5	16	20	2	45
Perry	1	1	2	9	6	45	7	19	0	90	4	0	0	1	0	36	8	6	55
South Thomaston	5	2	0	8	10	43	12	6	3	89	3	4	1	6	15	38	10	7	84
Steuben	0	9	1	6	1	54	7	12	0	90	0	2	1	0	0	46	19	10	78
NEW HAMPSHIRE—																			
Concord	3	0	4	19	2	34	7	21	0	90	----	----	----	----	----	----	----	----	----
Exeter	2	4	5	13	7	18	29	6	0	84	2	4	2	12	6	12	23	2	63
Great Falls	0	6	0	12	1	28	7	11	0	65	0	0	0	4	0	18	2	6	30
Manchester	5	0	6	12	16	10	30	11	0	90	0	0	5	9	12	6	35	3	70
VERMONT—																			
Brandon	8	1	1	3	40	6	8	12	9	88	1	2	0	0	7	14	11	10	45
Burlington	17	0	3	3	49	8	4	6	0	90	0	0	0	0	0	1	1	3	5
Craftsbury	2	7	2	4	39	15	16	5	0	90	6	1	0	1	31	13	19	5	76
St. Johnsbury	0	1	0	1	0	32	4	52	0	90	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—																			
Amherst	3	0	1	25	5	11	3	37	0	85	0	1	0	0	13	11	3	18	46
Boston	1	7	2	2	7	17	12	7	5	60	----	----	----	----	----	----	----	----	----
Mendon	0	1	2	2	2	58	9	16	0	90	0	1	2	3	7	51	11	15	90
Nantucket	1	6	2	6	10	50	5	4	6	90	----	----	----	----	----	----	----	----	----
New Bedford	1	3	0	13	5	49	4	12	1	88	0	1	0	0	0	5	2	1	9
Newburyport	0	5	4	6	31	3	25	12	0	86	0	0	0	0	0	1	0	0	1
North Attleboro'	1	6	1	10	26	13	16	17	0	90	1	2	2	6	22	11	18	12	74
Princeton	4	5	6	6	4	20	36	9	0	90	1	1	3	1	4	14	33	6	63
Southwick	3	7	2	5	12	10	5	7	5	56	0	1	0	2	9	14	7	8	41
Springfield	2	1	0	0	4	27	4	19	33	90	1	1	0	0	3	21	5	17	48
Westfield	4	3	2	17	4	10	10	13	0	63	----	----	----	----	----	----	----	----	----
Williamstown	5	0	1	3	16	7	9	15	10	66	9	2	5	3	4	1	2	0	26
Worcester	0	0	0	13	0	40	0	37	0	90	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	0	8	1	10	9	24	9	26	0	87	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	1	7	0	12	17	39	3	11	0	90	----	----	----	----	----	----	----	----	----
Pomfret	5	1	1	12	14	21	5	31	0	90	4	0	1	10	12	20	3	19	69
Saybrook	4	3	6	7	8	26	12	12	5	83	3	1	2	0	14	5	14	6	45
NEW YORK—																			
Angelica	1	1	2	13	4	40	18	11	0	90	0	1	0	5	4	25	17	19	71
Baldwinsville	3	3	5	2	2	5	38	29	0	87	1	1	1	1	3	4	35	26	72
Beverly	8	4	0	18	10	25	0	19	5	89	0	1	2	15	5	19	22	6	70
Canton	2	8	1	3	3	55	2	14	0	88	1	4	0	2	1	53	2	9	72
Fishkill	9	0	0	0	36	6	21	0	18	90	----	----	----	----	----	----	----	----	----
Gouverneur	1	14	0	1	0	60	2	12	0	90	0	14	0	0	0	45	8	12	79
Lodi	4	1	4	11	9	8	21	24	5	87	1	0	0	0	9	3	28	14	55
Lowville	5	4	1	7	15	22	15	21	0	90	0	0	0	0	4	4	3	3	14
Madrid	4	13	0	0	1	41	10	1	14	84	2	6	0	0	0	40	16	1	65
New York city	1	8	5	19	3	10	35	7	0	88	0	2	6	8	1	14	41	6	78
Ogdensburg	5	3	1	0	1	18	0	3	0	31	----	----	----	----	----	----	----	----	----
Oswego	1	4	7	6	5	11	42	1	13	90	----	----	----	----	----	----	----	----	----
Penn Yan	3	12	5	0	17	25	25	3	0	90	----	----	----	----	----	----	----	----	----
Sag Harbor	5	2	3	6	11	33	23	7	0	90	2	1	5	4	4	37	21	5	79
Smithville	0	5	1	3	12	48	17	4	0	90	3	7	0	1	7	37	29	7	91
Spencertown	24	0	0	2	28	21	0	10	0	85	11	0	1	3	7	22	27	16	87
Wampsville	0	0	4	1	12	3	53	14	0	87	0	0	5	1	12	4	54	11	87
NEW JERSEY—																			
Bloomfield	1	5	3	3	11	48	13	6	0	90	----	----	----	----	----	----	----	----	----
Burlington	2	3	5	5	6	22	27	4	14	88	1	3	7	6	8	14	8	1	48
Lambertville	1	2	0	7	9	23	7	32	0	81	----	----	----	----	----	----	----	----	----

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	9	1	22	14	32	0	78	0	0	0	7	0	28	9	23	67
Easton	1	0	0	17	8	3	11	28	22	90	0	0	0	5	3	8	14	18	48
Gettysburg	4	3	0	2	10	28	18	20	5	90	2	0	5	2	6	17	29	22	83
Harrisburg	2	0	6	13	9	1	39	17	0	87	0	0	0	2	5	0	25	11	43
Lima	4	8	3	9	8	11	6	24	17	90	3	0	1	1	5	16	22	21	69
Meadville	1	1	1	5	7	19	20	19	16	89	0	2	2	4	5	27	28	12	80
Morrisville	1	2	1	3	9	38	15	5	16	90	1	2	2	1	3	22	30	12	73
Moss Grove	0	0	2	5	6	13	26	26	0	78	0	0	0	4	2	10	30	29	75
Norristown	0	0	6	10	4	30	37	1	0	88	0	0	5	1	4	14	47	1	72
Philadelphia	2	12	0	9	5	28	17	17	0	90	1	0	0	2	5	8	13	2	31
Pittsburg, [M. H.]	1	1	11	6	13	18	31	2	37	120	----	----	----	----	----	----	----	----	----
Pocopson	4	0	2	2	6	23	41	11	0	89	2	2	0	0	2	2	5	5	18
Pottsville	1	0	0	9	5	20	9	40	5	89	2	0	0	11	6	15	9	37	80
Randolph	0	0	3	10	12	18	7	20	20	90	0	0	0	8	3	15	21	35	82
West Haverford	0	0	2	5	1	18	6	23	5	60	0	1	0	0	0	7	17	17	42
DELAWARE—																			
Newark	4	2	5	0	4	9	9	13	0	46	0	0	0	0	3	6	8	0	17
MARYLAND—																			
Bladensburg	2	2	10	1	5	8	1	12	0	41	----	----	----	----	----	----	----	----	----
Chestertown	2	3	3	4	4	21	9	14	0	60	----	----	----	----	----	----	----	----	----
Frederick	1	4	1	2	14	21	17	24	5	89	6	0	1	1	7	16	37	12	80
Sykesville	1	7	1	3	11	26	38	3	0	90	0	9	1	5	4	9	51	3	82
DISTRICT OF COLUMBIA—																			
Washington	0	16	1	4	5	29	13	13	9	90	2	2	1	0	2	0	1	1	9
VIRGINIA—																			
Alexandria	11	3	3	12	27	17	3	14	0	90	----	----	----	----	----	----	----	----	----
Ashland	2	0	0	2	22	8	1	6	0	41	0	0	0	0	2	10	17	1	30
Crichton's Store	6	0	0	0	34	37	10	3	0	90	5	0	0	0	10	43	32	1	91
Lewisburg	0	0	0	0	0	4	4	0	0	8	4	0	0	0	2	6	47	2	61
Winchester	0	0	0	4	3	2	31	0	50	90	0	0	0	0	2	0	19	0	21
NORTH CAROLINA—																			
Chapel Hill	3	3	2	7	13	25	25	12	0	90	1	0	0	2	4	34	9	3	53
SOUTH CAROLINA—																			
All Saints	5	3	2	19	24	17	16	4	0	90	5	1	0	2	12	14	48	4	86
Camden	3	2	0	7	6	36	18	11	7	90	3	2	3	1	1	27	20	10	67
Charleston	1	6	0	12	7	29	1	4	0	60	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	----	----	----	----	----	----	----	----	----	----	6	1	1	5	5	31	2	2	53
Savannah	4	2	2	15	36	12	5	14	0	90	0	0	0	0	1	5	4	2	12
Sparta	3	10	5	12	3	39	3	14	0	89	1	0	0	0	2	18	9	15	45
The Rock	2	3	0	7	1	9	0	8	0	30	----	----	----	----	----	----	----	----	----
Whitemarsh Island	2	1	2	7	27	18	8	6	19	90	2	1	0	6	5	9	14	10	47
FLORIDA—																			
Cedar Keys	3	4	11	2	4	12	8	1	3	48	2	6	6	3	6	12	6	0	41
Jacksonville	2	22	3	15	6	36	0	4	1	89	0	0	7	8	1	42	11	1	70
Key West	1	7	29	19	3	0	0	1	0	60	----	----	----	----	----	----	----	----	----
Knox Hill	3	13	9	8	2	28	20	3	2	88	1	3	8	5	3	28	18	0	66
Warrington	5	4	2	26	15	26	1	11	1	91	3	1	0	24	2	38	3	17	88
ALABAMA—																			
Auburn	7	7	1	12	18	19	17	7	0	88	0	1	0	3	8	13	14	5	44
Greene Springs	3	3	3	18	0	5	10	4	30	76	1	1	0	1	1	6	6	22	38
MISSISSIPPI—																			
Oxford	3	4	2	22	7	25	16	11	0	90	4	2	4	5	11	17	12	6	61
LOUISIANA—																			
New Orleans	5	12	11	30	19	5	2	4	1	89	2	3	1	5	5	6	14	2	38
TEXAS—																			
Austin	14	16	1	31	14	5	0	8	1	90	8	5	4	19	11	24	2	8	81
New Wied	22	3	14	9	14	14	1	6	7	90	1	1	8	1	4	3	2	4	24
TENNESSEE—																			
Friendship	3	1	0	2	3	39	19	21	1	89	3	1	0	1	0	14	22	18	59
Glenwood	4	3	1	5	15	17	8	5	32	90	1	2	0	1	3	22	34	14	77
Knoxville	7	5	6	2	10	31	18	9	0	88	----	----	----	----	----	----	----	----	----

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—																			
Danville	6	4	3	1	3	44	13	3	0	77	1	0	1	1	2	18	27	6	56
Millersburg	3	0	5	0	5	2	31	14	29	89									
Springdale	2	8	4	3	5	32	8	3	25	90									
OHIO—																			
Cincinnati	0	3	2	16	0	16	12	11	0	60									
Cleveland	6	6	2	2	7	18	11	17	4	73	4	2	5	1	1	9	21	10	53
Gallipolis	0	0	5	0	21	57	7	0	0	90									
Germantown	4	2	0	1	0	30	10	37	0	84	2	1	0	4	0	26	11	35	79
Granville	2	4	3	0	0	24	10	5	27	75	1	2	0	0	0	12	12	3	30
Hillsborough	0	2	0	6	2	37	0	12	1	60									
Jackson, [Crookham]	9	8	13	1	8	14	21	1	8	86	1	1	0	0	1	13	34	4	54
Jackson, [Gilmor]											1	0	1	4	2	10	46	5	69
Oberlin	6	3	3	3	6	27	13	16	13	90	4	1	2	0	2	6	46	6	67
Savannah	4	5	0	3	2	40	20	16	0	90	2	4	0	4	2	34	18	12	76
Unionville	6	5	5	5	11	17	27	10	4	90	1	4	5	3	6	11	44	10	84
Urbana	1	0	0	4	5	28	16	12	0	66	2	0	0	0	3	18	29	21	73
Zanesville	2	0	0	0	1	31	15	41	0	90									
MICHIGAN—																			
Ann Arbor, [Woodruff]	8	4	7	6	10	19	7	17	11	89	6	3	3	1	0	10	24	20	67
Ann Arbor, [Winchell]	8	1	11	3	2	19	9	15	22	90	3	3	5	0	0	9	38	18	76
Battle Creek	3	6	8	5	4	17	17	16	14	90	7	1	4	4	0	12	24	26	78
Cooper	1	1	11	4	0	0	44	3	21	85	1	2	19	2	0	3	29	1	57
Detroit	8	16	4	4	12	24	7	15	0	90									
Flint	16	3	2	2	21	12	10	20	0	86									
Grand Rapids	2	10	7	2	3	18	16	6	25	89	2	6	1	1	1	4	9	7	31
Monroe, [Whelpley]	3	17	0	4	2	13	3	48	0	90	3	17	3	3	1	19	3	48	97
St. James	17	1	12	2	5	41	0	5	7	90	7	0	4	1	1	27	6	2	48
Saugatuck	13	7	20	5	10	11	13	11	0	90	7	2	7	4	5	15	24	13	77
INDIANA—																			
Madison										90	3	4	3	5	6	34	15	17	87
Milton	4	8	1	3	4	17	8	11	34	90	0	0	0	0	0	6	3	7	16
New Harmony	3	0	7	9	6	15	12	8	0	60									
ILLINOIS—																			
Athens	4	7	1	19	9	13	3	28	0	84	4	6	2	1	5	7	2	58	85
Augusta	4	8	9	4	8	18	20	6	13	90	2	6	3	1	3	7	10	5	37
Manchester	6	5	0	0	21	14	33	11	0	90	2	0	0	0	4	15	22	16	59
Ottawa	6	12	2	6	9	29	3	21	2	90	4	1	0	1	1	14	8	15	44
Upper Alton	2	6	3	9	22	5	12	42	0	101									
MISSOURI—																			
St Louis	7	3	8	18	11	12	23	8	0	90									
WISCONSIN—																			
Beloit	13	18	2	5	28	13	2	9	0	90	11	5	3	2	10	10	3	4	48
Janesville	5	10	7	12	12	19	3	13	9	90									
Milwaukee, [Winkler]	5	24	12	20	1	12	10	6	0	90									
Platteville	6	3	12	13	17	9	22	8	0	90									
Superior	11	13	11	7	8	2	19	10	0	81	12	15	8	8	6	1	22	9	81
IOWA—																			
Dubuque	8	12	0	6	17	7	2	15	21	88	3	4	0	1	2	8	10	24	52
Fort Madison	9	5	8	21	10	10	5	21	1	90	6	1	4	1	2	9	31	12	66
Muscatine	6	5	2	18	6	35	9	9	0	90	0	6	1	2	1	22	3	7	42
Pella	7	1	0	6	36	8	20	12	0	90									
Poultney	12	6	3	11	8	19	7	14	9	89	3	1	1	1	5	4	11	11	37
Quasqueton	2	11	3	12	8	15	8	26	0	85	0	0	0	1	1	3	4	18	27
MINNESOTA—																			
Lac qui Parle	2	2	4	7	25	5	4	38	0	87	3	0	3	9	2	7	9	9	42
EASTERN CONTINENT—																			
Mosul, Mesopotamia	6	7	0	0	1	2	0	1	3	20									

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Red River Settlement	23	0	0	2	38	12	13	5	0	93	20	0	1	1	36	8	20	4	90
St. Martin	0	9	3	16	12	45	3	11	0	93	0	0	0	0	0	0	0	2	2
MAINE—																			
Carmel	0	1	1	19	7	24	9	4	23	88	0	1	0	15	3	21	5	1	46
Fryeburg	10	4	3	3	10	26	5	4	0	65	1	4	0	3	0	13	19	9	49
Gardiner	1	16	1	24	8	26	1	4	11	92	2	3	2	5	4	18	6	5	45
Oldtown	1	2	1	0	1	1	6	1	2	15	0	0	0	0	0	4	8	0	12
Perry	3	3	0	12	18	38	3	16	0	93	4	3	0	3	6	5	17	9	47
Steuben	1	16	0	5	0	62	2	5	2	93	2	1	0	0	0	28	21	4	56
NEW HAMPSHIRE—																			
Concord	6	5	0	35	3	31	0	13	0	93									
Exeter	2	12	13	26	5	27	7	1	0	93	3	8	8	19	2	23	11	3	77
Manchester	8	5	10	4	19	11	21	5	0	83	2	5	8	0	7	6	36	3	67
VERMONT—																			
Brandon	12	1	1	8	39	5	5	10	11	92	5	0	0	0	6	7	22	14	54
Burlington	22	2	2	2	53	1	4	7	0	93	0	0	0	0	0	2	4	1	7
Craftsbury	6	9	4	5	48	9	10	2	0	93	7	5	0	2	29	15	17	6	81
St. Johnsbury	0	0	0	0	0	33	0	59	0	92									
MASSACHUSETTS—																			
Amherst	3	6	1	20	17	13	6	13	2	81	0	7	0	2	4	20	8	11	52
Boston	0	13	11	7	2	24	2	1	2	62									
Mendon	3	18	7	0	6	50	3	3	3	93	2	17	8	1	5	51	6	3	93
Nantucket	0	22	4	11	7	37	3	4	5	93									
New Bedford	1	15	5	13	7	35	4	4	3	87	0	3	1	2	0	4	3	4	17
Newburyport	5	9	12	8	20	20	7	1	1	83									
North Attleboro'	16	14	5	5	37	10	5	1	0	93	10	11	5	0	29	8	18	1	82
Princeton	1	13	14	9	3	14	32	7	0	93	1	6	12	4	1	5	32	8	69
Richmond	0	15	0	3	3	55	0	15	2	93	1	8	0	7	2	33	4	15	70
Southwick	1	15	1	7	13	10	0	5	8	60	0	6	0	5	4	13	7	3	38
Springfield	4	6	0	0	2	28	4	10	39	93	4	7	0	0	4	28	3	8	54
Westfield	3	10	3	12	5	7	7	13	0	60									
Williamstown	10	0	5	8	14	9	3	9	14	72	4	3	4	3	0	2	0	3	19
Worcester	0	7	0	18	0	42	1	25	0	93									
RHODE ISLAND—																			
Providence	1	25	2	5	11	29	5	8	5	91									
CONNECTICUT—																			
New London	0	14	0	19	23	29	0	7	0	92									
Pomfret	5	20	5	4	22	20	4	11	0	91	3	17	5	1	17	18	8	11	80
Saybrook	6	9	8	21	18	18	7	1	5	93	2	4	4	9	8	3	8	11	49
NEW YORK—																			
Angelica	1	11	1	10	2	42	16	10	0	93	1	5	0	1	0	20	9	9	45
Baldwinsville	2	4	6	3	1	19	36	13	1	85	1	3	4	2	1	9	51	5	76
Beverly	4	12	0	20	21	24	0	7	1	89	0	8	3	14	5	30	12	5	77
Canton	3	4	0	4	10	36	3	3	11	74	2	5	0	1	8	34	2	2	54
Fishkill	9	3	3	0	24	15	9	3	27	93									
Gouverneur	6	12	0	6	12	51	4	2	0	93	2	4	0	1	3	30	3	1	44
Lodi	4	1	4	17	7	4	5	27	24	93	4	1	2	3	3	5	14	23	55
Lowville	7	5	1	16	18	22	8	22	0	93	0	0	0	0	0	2	0	0	2
Madrid											0	2	0	0	0	51	6	0	59
New York city	0	23	10	23	1	18	13	5	0	93	0	14	16	9	3	12	27	5	86
Ogdensburg	2	3	2	1	7	16	0	1	0	32									
Oswego	1	11	3	9	12	15	20	0	22	93									
Penn Yan	3	21	0	0	16	30	19	4	0	93									
Sag Harbor	5	12	8	15	6	35	2	8	2	93	2	14	6	4	5	38	6	17	92
Smithville	1	10	6	8	25	28	13	2	0	93	6	5	4	5	5	36	29	3	93
Spencertown	10	5	1	12	16	17	20	5	7	93	21	5	1	6	7	12	21	11	84
Wampsville	1	0	4	11	24	12	37	4	0	93	1	0	4	11	25	8	39	4	92
NEW JERSEY—																			
Bloomfield	0	15	2	16	5	23	1	9	0	71									
Burlington	12	9	1	3	9	28	10	6	18	96	3	3	1	3	3	13	4	4	34
Lambertville	2	10	1	10	9	25	2	19	0	78									

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	5	1	49	1	22	0	78	0	0	0	1	1	44	4	18	68
Easton	5	4	1	16	3	9	13	18	24	93	2	3	3	5	5	5	11	12	46
Gettysburg	6	5	1	0	9	40	20	8	2	91	3	8	1	0	2	29	33	5	81
Harrisburg	1	1	8	3	19	6	35	8	0	81	0	0	1	0	11	3	23	2	40
Lima	6	14	6	7	3	12	7	16	22	93	4	1	3	1	2	19	25	17	72
Morrisville	1	11	1	3	13	31	11	2	20	93	2	10	2	1	0	29	31	4	79
Moss Grove	0	0	3	4	5	16	18	2	0	48	0	0	0	0	3	17	45	2	67
Norristown	0	1	6	15	17	36	13	5	0	93	0	2	13	6	2	18	33	1	75
Philadelphia	1	18	2	5	5	38	10	14	0	93	0	2	0	1	0	17	10	4	34
Pittsburg, [M. H.]	6	1	21	7	29	10	21	6	23	124									
Pocopson	5	4	2	0	2	35	36	8	0	92	0	0	0	0	0	2	4	1	7
Pottsville	4	2	11	5	3	19	8	20	21	93	9	2	8	2	4	24	14	22	85
West Haverford	1	7	3	2	2	19	9	12	7	62	2	2	1	1	1	10	17	12	46
MARYLAND—																			
Bladensburg	0	5	1	0	2	4	7	3	0	22									
Chestertown	3	13	3	3	3	43	14	8	2	92	3	5	1	0	1	6	4	3	23
Frederick	3	8	2	7	10	39	9	9	5	92	7	2	2	1	5	18	30	5	70
Sykesville	0	3	1	2	2	14	62	9	0	93	0	3	1	1	2	9	59	1	76
DISTRICT OF COLUMBIA—																			
Washington	0	8	1	9	6	39	7	5	14	89									
VIRGINIA—																			
Alexandria	10	13	2	12	24	19	2	11	0	93									
Ashland	1	0	0	0	35	8	0	6	0	50	0	0	0	1	2	14	27	1	45
Crichton's Store	13	1	0	1	43	25	7	3	0	93	8	1	1	0	12	38	49	6	115
Lewisburg											3	0	1	0	1	3	41	3	52
NORTH CAROLINA—																			
Chapel Hill	0	6	13	1	12	18	40	3	0	93	2	1	0	1	18	31	9	5	67
SOUTH CAROLINA—																			
All Saints	2	3	3	29	14	25	15	2	0	93	3	3	0	21	9	12	19	4	71
Camden	0	2	1	12	32	28	11	2	5	93	5	8	1	5	6	34	5	8	72
Charleston	1	3	0	15	5	36	1	1	0	62									
GEORGIA—																			
Savannah	1	3	4	17	43	14	11	0	0	93	1	0	0	1	0	0	0	1	3
Sparta	0	11	3	13	9	38	5	14	0	93	0	4	1	2	1	25	1	4	38
The Rock	0	1	0	10	0	5	0	14	1	31									
Whitemarsh Island	1	2	1	12	29	20	13	2	13	93	1	1	6	6	15	10	11	4	54
FLORIDA—																			
Cedar Keys	5	8	18	18	1	15	15	5	8	93	6	7	14	23	4	6	9	5	74
Jacksonville	2	12	7	35	3	21	1	3	4	88	3	2	6	28	17	10	4	4	74
Key West	5	5	35	15	1	0	0	1	0	62									
Knox Hill	0	7	27	14	10	7	13	2	0	80	0	3	23	15	7	7	14	2	71
Warrington	0	4	4	26	8	36	1	12	2	93	1	9	3	27	6	36	1	10	93
ALABAMA—																			
Greene Springs	0	0	1	11	8	4	1	2	19	46	1	2	0	4	0	1	1	7	16
MISSISSIPPI—																			
Oxford	0	5	11	21	7	34	9	6	0	93	0	3	3	10	13	26	6	2	63
LOUISIANA—																			
New Orleans	9	5	13	21	17	8	12	5	3	93	8	4	12	1	10	9	9	1	54
TEXAS—																			
Austin	3	2	6	49	11	18	0	4	0	93	6	5	4	27	9	22	0	10	83
New Wied	2	1	6	6	32	22	4	3	17	93	1	0	5	1	8	1	6	2	24
TENNESSEE—																			
Friendship	1	1	0	0	1	60	18	11	0	92	1	1	0	0	2	31	20	11	66
Glenwood	2	3	1	12	13	21	6	0	35	93	1	5	0	1	8	38	28	5	86
KENTUCKY—																			
Danville	7	4	0	4	17	50	8	3	0	93	0	2	1	0	3	42	17	2	67
Springdale	0	3	2	2	1	33	5	4	43	93									
OHIO—																			
Arcola	4	14	7	1	17	19	20	3	8	93	4	5	7	1	6	20	26	12	81
Cincinnati	0	10	11	7	0	22	4	8	0	62									
Cleveland	7	11	0	4	16	20	13	5	2	78	5	5	2	3	2	18	22	4	61

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Gallipolis	1	2	6	2	15	18	8	1	0	53	---	---	---	---	---	---	---	--	---
Germantown	1	1	0	1	2	42	10	32	1	90	1	1	0	1	1	44	3	26	77
Granville	3	1	1	1	1	17	12	0	33	69	3	2	0	0	4	13	11	0	33
Hillsborough	1	6	0	7	4	42	0	2	0	62	---	---	---	---	---	---	---	---	---
Jackson, [Crookham]	2	7	19	1	7	15	20	1	21	93	1	0	0	1	2	9	47	3	63
Jackson, [Gilmor]	---	---	---	---	---	---	---	---	---	--	0	2	0	4	5	8	55	2	76
Oberlin	11	8	0	5	12	25	8	7	15	91	4	7	0	1	0	13	51	2	78
Savannah	4	4	0	6	1	50	17	11	0	93	2	3	0	4	2	40	15	12	78
Urbana	3	2	0	4	3	36	9	7	0	64	1	3	0	3	1	26	29	6	69
Zanesville	9	0	0	13	5	40	4	22	0	93	---	---	---	---	---	---	---	---	---
Michigan—																			
Ann Arbor, [Woodruff]	2	16	5	7	5	25	8	8	11	87	1	9	3	3	2	19	36	12	85
Ann Arbor, [Winchell]	2	11	8	6	15	12	15	1	23	93	0	13	3	4	1	25	33	1	80
Battle Creek	4	10	9	4	11	27	15	4	1	85	0	6	7	1	0	20	45	7	86
Cooper	0	0	13	1	3	1	39	0	35	92	0	0	29	4	4	1	27	0	65
Detroit	2	24	7	6	18	19	15	2	0	93	---	---	---	---	---	---	---	---	---
Flint	14	0	5	2	14	26	15	5	0	81	---	---	---	---	---	---	---	---	---
Grand Rapids	0	15	10	2	4	35	4	1	22	93	0	1	2	3	0	16	5	0	27
Monroe, [Perkins]	0	9	3	21	1	24	1	34	0	93	0	9	3	18	1	27	0	37	95
St. James	7	5	6	7	7	35	3	14	9	93	2	4	0	0	0	14	10	8	38
Saugatuck	14	9	15	6	13	13	17	6	0	93	5	3	9	0	5	20	26	23	91
Indiana—																			
Milton	0	7	1	3	2	22	10	4	44	93	0	0	0	0	0	9	7	2	18
New Harmony	4	1	2	7	6	23	15	5	0	63	---	---	---	---	---	---	---	---	---
Illinois—																			
Athens	0	17	0	16	9	18	5	10	0	75	0	13	0	3	3	13	16	23	71
Augusta	0	4	12	5	19	19	17	1	16	93	0	4	5	4	7	8	15	0	43
Manchester	16	1	1	0	15	22	25	13	0	93	5	0	1	0	11	20	15	17	69
Ottawa	7	25	3	9	7	24	5	8	5	93	3	4	0	1	2	9	18	5	42
Upper Alton	6	0	0	3	30	30	9	28	0	106	---	---	---	---	---	---	---	---	---
Wisconsin—																			
Beloit	0	0	17	20	14	14	19	2	0	86	0	0	4	8	4	6	11	1	34
Janesville	5	12	10	13	8	24	5	3	13	93	---	---	---	---	---	---	---	---	---
Milwaukee, [Winkler]	3	29	11	15	3	15	11	6	1	94	---	---	---	---	---	---	---	---	---
Platteville	1	10	14	19	10	9	17	13	0	93	2	6	0	0	0	7	35	19	69
Superior	9	13	9	21	6	11	18	6	0	93	11	11	8	22	7	11	17	6	93
Iowa—																			
Dubuque	6	10	4	9	23	5	5	10	5	77	1	8	0	6	3	11	9	21	59
Fort Madison	7	24	4	23	9	15	2	8	1	93	2	5	2	2	2	23	23	3	62
Muscatine	6	19	0	29	1	29	5	4	0	93	0	7	0	2	1	27	1	4	42
Pella	7	3	4	11	42	2	14	10	0	93	---	---	---	---	---	---	---	---	---
Poultney	6	10	4	12	12	9	9	7	13	82	3	4	2	3	4	8	14	5	43
Quasqueton	1	14	2	15	10	24	5	17	2	90	0	2	0	2	1	10	2	12	29
Minnesota—																			
Lac qui Parle	2	0	0	4	27	2	0	23	0	58	2	0	0	0	0	2	6	4	14
Eastern Continent—																			
Mosul, Mesopotamia	5	2	2	0	1	1	6	5	6	28	---	---	---	---	---	---	---	---	---

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	0	0	3	1	6	2	4	0	24									
Red River Settlement	29	1	5	0	19	14	14	4	7	93	18	1	2	2	10	7	21	16	77
St Martin	1	16	0	8	6	33	9	20	0	93									
MAINE—																			
Carmel	0	0	1	2	1	7	7	14	10	42	0	0	1	3	0	2	5	1	12
Fryeburg	2	1	4	2	8	15	14	16	0	62	0	0	0	0	2	12	23	15	52
Gardiner	0	4	0	16	4	26	1	27	14	92	1	0	0	1	5	14	1	17	39
Oldtown	6	1	0	4	5	18	28	6	10	78	2	1	0	0	6	14	31	3	57
Perry	11	0	1	8	7	34	4	28	0	93	4	0	0	0	3	10	24	10	51
Steuben	1	16	0	4	1	46	3	19	3	93	1	4	0	0	0	32	17	8	62
NEW HAMPSHIRE—																			
Concord	1	7	0	25	0	28	0	32	0	93									
Exeter	1	6	12	16	1	26	14	16	0	92	0	2	6	8	1	17	12	8	54
Londonderry	1	4	4	13	8	8	5	25	25	93	0	0	0	0	0	1	8	9	18
Manchester	2	2	5	3	18	12	11	15	0	68	2	0	0	1	7	11	19	5	45
Stratford	12	0	0	0	8	1	29	0	1	51									
VERMONT—																			
Brandon	15	0	2	6	35	7	9	7	11	92	1	0	0	0	0	9	14	14	38
Burlington	20	2	4	4	43	3	10	7	0	93	0	0	0	0	1	0	4	1	6
Craftsbury	3	8	2	6	38	14	10	12	0	93	2	2	1	0	18	11	19	16	69
MASSACHUSETTS—																			
Amherst	5	1	3	22	12	12	5	25	0	85	1	0	2	1	5	1	7	8	25
Mendon	2	13	3	1	1	44	7	22	0	93	2	14	3	0	1	42	10	21	93
Nantucket	3	27	5	13	6	21	4	6	7	92									
New Bedford	8	16	0	9	0	37	0	12	1	93	4	5	0	0	0	5	3	14	31
Newburyport	9	2	10	11	24	11	9	15	0	91	0	0	0	0	0	0	1	0	1
North Attleboro'	12	6	9	2	29	13	14	8	0	93	5	1	7	2	19	14	12	4	64
Princeton	4	9	11	5	4	15	33	12	0	93	0	3	2	1	2	7	45	3	63
Richmond	0	0	1	11	5	46	0	30	0	93	0	0	0	5	3	40	3	27	78
Southwick	2	10	4	3	8	7	1	4	8	47	1	4	0	2	3	4	1	4	19
Springfield	7	2	2	0	9	16	0	16	41	93	3	3	1	1	1	14	1	17	41
Westfield	5	1	3	1	6	12	20	27	0	75									
Williamstown	10	1	3	10	16	13	9	11	12	85									
Worcester	0	5	2	11	2	35	0	38	0	93	1	2	0	2	1	9	8	2	25
CONNECTICUT—																			
New London	2	12	5	10	8	27	8	21	0	93									
Pomfret	6	14	6	5	23	13	8	18	0	93	4	9	2	2	16	11	12	14	70
Saybrook	6	5	0	10	5	7	1	6	3	43	4	1	2	1	1	2	6	2	19
NEW YORK—																			
Angelica	1	2	1	7	1	31	14	18	0	75	0	0	0	0	0	11	17	4	32
Baldwinsville	2	2	4	9	6	18	10	30	0	81	6	0	1	1	1	10	33	17	69
Beverly	8	10	0	11	10	33	1	15	2	90	0	9	1	6	5	22	16	9	68
Canton	5	15	0	1	3	51	5	11	1	92	4	6	0	1	3	42	2	3	61
Fishkill	6	12	0	0	18	30	9	6	12	93									
Gouverneur	24	6	0	1	2	33	18	9	0	93	6	1	1	1	2	28	8	3	50
Lodi	6	2	1	17	18	8	13	19	9	93	4	0	1	1	4	6	18	19	53
Madrid	0	15	0	0	0	31	3	1	23	73	0	0	0	0	1	42	4	0	47
New York city	7	16	5	19	8	8	15	15	0	93	5	9	14	10	1	6	22	19	86
Ogdensburg	8	2	0	1	7	6	3	5	0	32									
Oswego	1	12	3	5	24	10	23	2	13	93									
Penn Yan	4	21	5	0	25	12	19	7	0	93									
Sag Harbor	1	23	5	20	3	17	4	10	0	83	3	13	5	4	2	25	19	8	79
Smithville	3	9	9	2	18	29	24	0	0	94	3	10	0	0	1	27	33	3	77
Spencertown	4	0	0	1	16	24	8	35	0	88	1	0	0	1	2	16	18	39	77
Wampsville	0	3	7	12	23	13	32	3	0	93	0	4	8	8	24	11	30	3	88
NEW JERSEY—																			
Bloomfield	0	13	0	28	0	18	0	24	0	83									
Burlington	6	6	2	3	1	11	27	6	31	93	1	5	1	0	2	5	5	2	21
Lambertville	4	16	2	15	11	9	9	17	0	83									
PENNSYLVANIA—																			
Bedford	0	0	0	18	0	25	6	21	11	81	0	0	0	12	1	24	6	15	58
Easton	5	8	4	14	2	2	13	20	25	93	0	3	1	17	0	5	9	5	40

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—Cont'd.																			
Gettysburg	13	12	4	1	10	16	18	6	13	93	1	5	4	1	10	21	26	9	77
Harrisburg	0	0	6	31	7	3	22	18	0	87	0	0	2	8	2	0	18	9	39
Lima	5	21	5	8	4	7	4	12	27	93	2	4	4	5	6	14	28	11	74
Meadville	6	1	0	2	13	6	4	17	24	73	3	0	1	1	7	13	17	10	52
Morrisville	5	7	1	5	12	18	10	9	26	93	1	8	1	5	3	17	25	4	64
Moss Grove	2	0	2	0	8	16	41	8	2	79	0	0	1	0	0	19	48	7	75
Norristown	0	5	7	6	4	26	29	4	0	81	0	0	12	3	3	18	24	1	61
Philadelphia	4	22	7	11	6	19	8	16	0	93	1	3	0	0	0	11	10	3	28
Pittsburg, [M. H.]	1	0	17	2	16	13	23	4	48	124									
Pocopson	9	6	8	2	10	27	24	7	0	93	4	0	2	1	0	0	2	2	11
Pottsville	6	0	12	2	21	7	15	23	7	93	5	0	6	9	10	9	10	28	77
West Haverford	2	10	10	3	4	13	3	10	7	62	1	3	6	2	1	4	16	9	42
MARYLAND—																			
Bladensburg	3	9	5	3	3	5	3	5	0	36									
Chestertown	11	11	8	13	7	22	9	5	0	86	7	2	7	3	7	8	17	3	54
Frederick	11	9	3	5	13	22	11	10	5	89	2	5	0	3	9	12	35	7	73
Sykesville	0	6	1	7	3	7	50	19	0	93	0	2	4	5	5	8	53	4	81
DISTRICT OF COLUMBIA—																			
Washington	0	39	2	4	2	25	4	8	8	92									
VIRGINIA—																			
Alexandria	6	29	5	13	12	12	0	15	0	92									
Ashland	10	0	0	2	21	4	2	3	51	93	4	0	1	0	2	3	25	2	37
Crichton's Store	40	5	1	0	20	22	4	1	1	94	17	4	6	6	4	48	33	2	120
Lewisburg	0	0	0	0	0	1	1	1	0	3	3	1	2	0	8	3	26	1	44
NORTH CAROLINA—																			
Chapel Hill	14	20	8	6	7	9	25	3	0	92	5	5	4	1	6	28	13	3	65
SOUTH CAROLINA—																			
All Saints	5	15	11	10	10	10	30	1	1	93	4	14	3	0	8	14	42	3	88
Camden	0	13	9	5	8	30	15	4	9	93	2	9	4	7	1	19	22	9	73
Charleston	0	10	5	4	0	36	4	3	0	62									
GEORGIA—																			
Savannah	5	5	6	15	26	13	17	6	0	93	0	0	0	0	0	1	1	0	2
Sparta	2	30	2	12	3	25	4	6	0	84	0	7	2	5	1	12	4	3	34
The Rock	0	4	0	1	1	4	0	4	0	14									
Whitemarsh Island	1	10	4	10	22	17	13	4	12	93	3	7	6	6	3	5	16	6	52
FLORIDA—																			
Cedar Keys	9	6	14	19	6	17	16	3	3	93	4	10	8	16	4	15	3	2	62
Jacksonville	3	20	5	24	7	24	2	5	2	92	3	6	10	13	7	15	5	2	61
Key West	2	9	35	13	2	0	0	1	0	62									
Knox Hill	1	17	7	15	8	11	3	1	0	63	0	12	7	14	6	11	2	0	52
Warrington	6	11	2	14	13	31	0	11	5	93	10	13	2	13	5	34	1	13	91
ALABAMA—																			
Auburn	0	11	25	20	13	18	3	3	0	93	0	9	11	7	5	15	6	4	57
Greene Springs	4	3	22	12	5	10	6	0	1	63	0	1	0	0	2	4	2	0	9
MISSISSIPPI—																			
Oxford	1	8	7	2	3	7	3	2	0	33	1	3	5	2	2	6	1	4	24
Port Gibson	0	4	1	2	3	3	1	0	0	14									
LOUISIANA—																			
New Orleans	6	16	5	14	23	8	7	5	9	93	5	8	6	4	11	3	5	3	45
TEXAS—																			
Austin	3	11	11	39	5	9	2	13	0	93	4	14	4	29	6	31	3	7	98
New Wied	3	3	7	12	31	16	5	3	13	93	3	0	7	0	4	1	2	5	22
TENNESSEE—																			
Glenwood	0	7	4	6	10	11	2	0	24	64	0	8	4	5	1	17	10	2	47
KENTUCKY—																			
Springdale	1	11	4	1	10	15	6	8	37	93									
OHIO—																			
Cleveland	11	8	2	9	27	1	8	12	3	81	4	4	0	0	0	11	17	10	46
Gallipolis	5	3	0	1	5	6	4	6	0	30									
Germantown	6	7	0	4	5	29	1	33	1	86	4	4	0	0	1	39	1	28	77
Granville	1	4	2	0	1	12	8	2	48	78	0	2	0	0	1	11	8	2	24

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued—																			
Hillsborough	1	19	0	9	3	20	0	8	2	62	0	0	0	0	0	5	1	0	6
Jackson, [Crookham]	13	10	10	1	4	5	11	5	33	92	4	0	3	1	2	7	25	4	46
Jackson, [Gilmor]											0	0	1	6	1	11	43	8	70
Oberlin	11	7	2	3	12	16	10	10	16	87	2	3	0	0	1	1	62	4	73
Savannah	2	17	1	4	2	27	20	20	0	93	1	9	0	0	1	18	24	15	68
Urbana	0	7	3	7	7	17	6	6	0	53	0	3	1	1	3	18	29	11	66
Zanesville	18	12	0	2	2	5	13	41	0	93									
MICHIGAN—																			
Ann Arbor, [Woodruff]	6	11	6	11	13	11	4	6	25	93	5	4	3	5	3	9	34	18	81
Ann Arbor, [Winchell]	4	6	9	6	9	5	10	9	35	93	6	1	4	2	2	14	30	14	73
Battle Creek	2	5	5	2	25	7	13	8	26	93	2	4	1	0	2	6	51	11	77
Cooper	2	0	13	1	1	1	34	1	40	93	2	1	15	3	1	0	28	2	52
Detroit	8	13	9	5	26	14	10	8	0	93									
Flint	23	3	0	7	18	17	1	8	0	77									
Grand Rapids	0	14	6	5	1	20	5	5	37	93	1	3	1	2	0	13	3	8	31
Monroe, [Whelpley]	0	11	4	15	0	1	1	56	0	88	0	10	3	10	3	8	1	54	89
St. James	7	2	8	10	12	24	1	23	6	93	6	0	1	2	6	13	21	4	53
Saugatuck	6	7	12	6	11	10	22	17	0	91	9	4	0	1	3	11	45	20	93
INDIANA—																			
Milton	2	13	1	1	0	9	7	2	58	93	0	0	0	0	0	3	3	0	6
New Harmony	11	0	7	9	5	14	8	9	0	63									
ILLINOIS—																			
Athens	3	10	2	24	6	12	7	12	0	76	2	5	1	3	1	18	20	19	69
Augusta	3	8	8	12	22	9	12	3	16	93	0	3	1	1	6	0	5	0	16
Manchester	12	2	0	3	10	21	23	22	0	93	8	3	0	2	9	13	18	11	64
Ottawa	3	19	5	6	20	12	5	19	4	93	0	3	0	0	3	12	3	8	29
Upper Alton	18	5	0	8	6	29	2	19	0	87	0	0	0	0	1	0	0	0	1
WISCONSIN—																			
Beloit	5	11	15	13	21	11	12	5	0	93	1	0	3	0	5	1	7	2	19
Janesville	7	8	8	6	15	18	9	8	14	93									
Milwaukee, [Winkler]	3	27	10	15	5	17	8	8	0	93									
Plattcville	8	19	10	12	12	6	12	14	0	93	4	4	3	2	4	12	26	24	79
Superior	18	25	7	8	3	4	23	5	0	93	18	24	7	9	2	4	23	6	93
IOWA—																			
Dubuque	11	7	3	9	19	12	3	14	14	92	3	6	3	1	2	4	12	19	50
Fort Madison	10	27	4	35	1	6	2	2	6	93	1	4	1	1	3	2	36	4	52
Muscatine	0	9	0	42	0	35	0	7	0	93	0	4	0	2	0	36	2	3	47
Pella	9	2	1	15	47	1	9	9	0	93									
Poultney	3	10	0	10	7	13	5	5	15	68	0	1	0	0	0	2	5	3	11
MINNESOTA TERRITORY—																			
Lac qui Parle	0	4	2	15	32	1	4	35	0	93	1	0	3	4	4	7	8	7	34
EASTERN CONTINENT—																			
Mosul, Mesopotamia	10	2	0	0	1	4	2	5	1	25									

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Horton	2	9	2	2	2	12	20	28	13	90	7	6	2	0	0	10	19	23	67
Montreal	18	13	2	11	6	11	2	27	0	90	1	9	0	0	1	16	20	14	61
Red River Settlement	22	0	10	8	31	4	8	2	2	87	14	0	3	11	30	6	6	5	75
St. Martin	1	15	2	18	3	29	3	19	0	90									
MAINE—																			
Carmel	0	5	0	14	1	9	4	28	20	81	1	4	0	11	0	5	4	11	36
Fryeburg	4	5	2	2	2	21	13	10	0	59	1	1	0	1	0	13	9	19	44
Gardiner	4	16	0	12	2	23	4	22	7	90	4	4	0	3	0	6	1	17	35
Perry	7	9	1	6	7	24	2	34	0	90	4	1	0	3	8	7	11	20	54
Steuben	0	17	0	1	0	39	0	26	7	90	0	4	0	0	0	13	18	8	43
NEW HAMPSHIRE—																			
Concord	1	5	7	12	0	27	3	35	0	90									
Exeter	6	4	13	11	3	25	16	12	0	90	1	4	10	6	4	12	20	2	59
Londondery	2	2	1	5	7	4	5	27	37	90	0	1	1	1	1	3	6	4	17
Manchester	9	6	6	2	15	13	18	14	1	84	1	3	2	0	6	11	22	4	49
VERMONT—																			
Brandon	23	1	5	4	34	0	4	7	9	87	6	0	0	0	1	6	5	28	46
Burlington	35	2	2	3	35	1	3	9	0	90	0	0	0	0	0	1	2	7	10
Craftsbury	6	7	3	4	31	13	12	14	0	90	8	3	0	1	4	10	20	18	64
MASSACHUSETTS—																			
Amherst	3	5	4	18	7	8	2	30	0	77	0	7	0	0	0	8	2	13	30
Boston	0	8	1	4	0	11	9	25	2	60									
Mendon	0	11	0	0	0	43	8	28	0	90	1	10	0	0	1	40	8	30	90
Nantucket	4	20	3	9	2	22	6	10	14	90									
New Bedford	8	12	0	7	5	28	4	26	0	90	3	5	0	1	1	4	6	13	33
Newburyport	11	7	8	11	11	6	18	16	0	88									
North Attleboro'	21	8	3	0	16	17	15	10	0	90	15	6	3	2	13	12	15	5	71
Princeton	8	16	2	3	2	11	31	17	0	90	2	6	1	2	0	7	27	8	53
Richmond	0	0	0	3	6	39	0	42	0	90	0	0	0	4	2	26	3	25	60
Southwick	2	4	1	4	7	4	0	7	10	39	0	2	0	1	0	11	7	5	26
Springfield	7	10	1	1	10	11	1	18	31	90	8	7	1	1	2	10	1	13	43
Williamstown	7	1	8	10	7	15	12	15	14	89	5	1	1	0	4	13	21	13	58
Worcester	0	5	0	19	0	35	0	31	0	90									
RHODE ISLAND—																			
Providence	5	22	1	0	3	16	11	30	0	88									
CONNECTICUT—																			
New London	6	6	2	12	6	35	3	19	0	89									
Pomfret	7	12	1	8	4	23	5	30	0	90	1	9	0	1	4	17	6	13	51
Saybrook	15	10	2	12	2	22	12	7	4	86	3	6	2	1	3	4	9	10	38
NEW YORK—																			
Angelica	4	11	0	2	0	19	12	18	0	66	1	2	0	1	0	1	14	6	25
Baldwinsville	5	1	18	6	1	11	23	13	0	78	5	0	2	0	0	3	32	9	51
Beverly	12	13	0	14	4	25	0	16	3	87	1	10	0	11	2	15	13	8	60
Canton	6	12	3	6	2	40	2	11	1	83	3	7	2	2	2	27	1	8	52
Gouverneur	14	1	0	0	0	40	26	9	0	90	2	1	0	0	0	35	17	3	58
Lodi	5	6	2	16	12	14	6	14	15	90	4	4	3	2	3	10	15	11	52
New York city	2	18	3	15	1	19	20	12	0	90	1	6	5	5	2	13	26	6	64
Oswego	1	15	8	10	29	6	17	0	4	90									
Penn Yan	3	26	0	1	21	25	8	6	0	90									
Sag Harbor	2	21	6	9	9	16	8	10	0	81	1	8	1	3	2	12	9	26	62
Smithville	9	17	4	7	18	22	12	1	0	90	4	7	3	0	8	9	37	3	71
Spencertown	11	2	2	4	17	19	7	28	0	90	7	1	0	1	2	13	18	28	70
Wampsville	1	5	1	16	20	11	29	6	0	89	3	3	0	12	13	9	24	4	68
NEW JERSEY—																			
Bloomfield	2	7	1	15	4	8	5	11	0	53									
Burlington	5	13	1	4	4	17	8	3	36	91	3	8	1	3	2	4	2	1	24
Lambertville	3	14	2	11	9	18	3	17	0	77									
PENNSYLVANIA—																			
Easton	8	1	0	20	5	4	22	17	13	90	0	0	0	2	0	0	11	1	14
Gettysburg	15	14	2	6	7	18	12	10	4	88	0	6	4	1	1	12	19	17	60
Harrisburg	6	3	7	16	12	3	27	15	0	89	4	0	0	3	5	0	15	7	34
Lima	3	18	7	4	5	4	3	12	33	89	5	4	4	4	6	6	13	13	55

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and w st.	Total.
PENNSYLVANIA—Continued.																			
Meadville	4	7	3	9	10	9	1	10	35	88	8	2	5	4	5	11	13	10	58
Morrisville	8	7	5	2	9	20	9	3	27	90	2	3	2	3	2	13	21	8	54
Moss Grove	5	3	11	1	14	8	23	4	2	71	3	0	6	1	5	15	31	5	66
Norristown	0	5	7	5	4	12	33	9	0	75	0	5	8	2	0	3	23	1	42
Philadelphia	4	18	4	10	2	31	4	17	0	90	0	2	0	0	0	8	7	2	19
Pittsburg, [M. H.]	6	0	35	6	15	4	15	5	34	120									
Pocopson	5	12	3	6	4	21	29	7	0	87	1	0	1	0	0	0	6	6	14
Pottsville	13	0	14	10	6	8	19	16	4	90	5	4	4	3	11	2	9	15	53
West Haverford	0	15	6	3	0	21	2	10	3	60	1	0	8	1	7	3	9	5	34
DELAWARE—																			
Newark	1	15	5	2	2	10	4	10	0	49	0	0	0	0	1	1	0	1	3
MARYLAND—																			
Bladensburg	1	18	7	3	0	11	3	3	0	46									
Frederick	7	17	3	2	10	26	9	8	7	89	5	4	2	2	3	7	32	9	64
Sykesville	1	7	3	4	1	4	55	15	0	90	0	2	8	7	1	0	53	3	74
DISTRICT OF COLUMBIA—																			
Washington	0	25	4	4	1	29	3	9	15	90									
VIRGINIA—																			
Alexandria	24	23	4	4	11	8	5	10	0	89									
Ashland	6	1	0	1	22	6	0	2	52	90	0	0	0	2	4	7	22	1	36
Crichton's Store	33	7	0	3	11	29	2	1	4	90	21	8	1	1	6	20	23	0	80
Lewisburg	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	3	13	0	19
NORTH CAROLINA—																			
Chapel Hill	15	19	2	4	2	4	33	10	0	89	0	12	0	0	3	16	7	7	45
SOUTH CAROLINA—																			
All Saints	15	21	9	9	11	7	7	8	0	87	13	26	8	3	3	4	10	3	70
Camden	6	24	8	2	5	21	8	3	13	90	4	9	6	4	5	15	5	6	54
Charleston	0	21	8	18	1	6	2	4	0	60									
GEORGIA—																			
Augusta	5	17	22	19	13	11	1	2	0	90									
Savannah	13	15	9	28	9	5	9	2	0	90	0	0	0	0	1	0	1	0	2
Sparta	4	28	7	16	2	13	6	14	0	90	3	12	6	9	5	4	3	3	45
The Rock	0	6	2	13	1	2	0	2	0	26									
Whitemarsh Island	4	20	7	15	4	12	6	3	19	90	2	18	4	18	0	6	4	5	57
FLORIDA—																			
Cedar Keys	12	25	23	4	3	10	9	2	2	90	6	14	16	6	3	2	3	1	51
Jacksonville	1	52	4	5	4	17	0	5	0	88	0	25	8	5	0	19	5	1	63
Key West	8	15	27	2	0	2	2	3	1	60									
Knox Hill	0	17	36	15	9	6	2	5	0	90	0	8	29	11	7	6	1	2	64
Warrington	10	15	6	27	12	13	2	3	2	90	5	17	6	36	7	8	0	14	93
ALABAMA—																			
Auburn	0	13	37	26	4	3	1	2	0	86	0	2	11	15	2	5	2	0	37
MISSISSIPPI—																			
Oxford	3	3	8	15	8	7	9	9	4	66	0	2	6	4	15	9	12	3	51
LOUISIANA—																			
New Orleans	2	18	19	22	6	3	8	2	9	89	6	7	6	2	7	4	6	1	39
TEXAS—																			
Austin	3	24	1	24	18	8	3	9	0	90	2	24	2	31	13	14	0	5	91
New Wied	13	5	12	14	13	15	0	2	16	90	1	0	2	0	2	0	3	0	8
TENNESSEE—																			
Glenwood	2	1	6	11	15	11	6	1	36	89	0	1	1	4	8	23	26	2	65
KENTUCKY—																			
Bowling Green	5	1	7	5	23	9	13	2	25	90	2	0	4	7	27	16	18	2	76
Danville	3	20	11	3	5	31	7	13	0	93	1	4	3	2	3	17	21	6	57
Springdale	2	12	4	8	2	17	0	2	43	90									
OHIO—																			
Cincinnati	3	16	3	4	1	20	3	10	0	60									
Cleveland	7	4	5	19	12	11	0	10	1	69	1	4	3	2	7	11	8	9	45
Gallipolis	8	4	1	0	13	5	0	5	0	36									
Germantown											1	15	0	6	1	30	1	14	68
Granville	1	12	3	1	0	22	3	0	26	68	0	3	0	1	0	15	0	2	21
Hillsborough	0	13	0	11	0	29	0	7	0	60	0	2	0	2	0	19	3	3	29

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	C m or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Hiram	1	2	3	6	9	14	12	10	30	87	1	1	4	6	1	24	12	14	63
Jackson, [Gilmor]	11	1	5	6	8	5	13	5	27	81	10	2	6	7	5	10	29	4	73
Oberlin	7	13	5	5	12	18	5	6	13	84	4	5	3	0	4	7	39	2	64
Savannah	1	11	6	13	0	32	8	19	0	90	2	9	3	8	1	27	8	14	72
Urbana	0	11	3	15	1	22	2	9	0	63	1	8	5	5	4	21	11	10	65
Zanesville	26	4	0	24	4	9	5	18	0	90	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	3	10	9	10	9	18	3	7	21	90	0	3	4	5	5	15	26	9	67
Ann Arbor, [Winchell]	1	18	10	2	7	17	10	7	14	86	4	6	7	0	8	16	17	6	64
Battle Creek	5	9	12	14	16	9	13	5	7	90	3	8	10	4	6	16	29	9	85
Cooper	0	2	25	1	1	2	20	1	38	90	0	3	42	0	1	0	14	0	60
Detroit	2	28	15	6	10	23	4	2	0	90	----	----	----	----	----	----	----	----	----
Flint	14	15	0	3	23	11	5	6	0	77	----	----	----	----	----	----	----	----	----
Grand Rapids	2	25	10	8	1	13	3	2	23	87	1	5	1	2	0	9	1	1	20
Monroe, [Whelpley]	0	3	1	23	3	27	0	32	0	89	0	4	1	20	0	21	3	36	85
St. James	5	10	21	8	5	22	1	12	6	90	4	2	3	2	1	10	12	9	43
Saugatuck	5	11	20	10	13	14	11	6	0	90	5	4	12	5	4	18	36	18	102
INDIANA—																			
Milton	1	19	0	1	2	10	3	2	52	90	0	0	0	0	0	5	1	0	6
New Harmony	8	0	4	18	4	15	5	6	0	60	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	0	14	3	19	7	14	2	7	0	66	0	16	1	5	2	18	12	4	58
Augusta	3	6	18	10	15	14	6	7	11	90	2	5	4	3	8	11	4	3	40
Manchester	17	2	0	4	21	22	11	13	0	90	12	4	2	2	21	10	9	4	64
Ottawa	8	21	7	6	16	13	0	10	0	81	0	5	1	0	2	13	3	4	28
Upper Alton	18	12	0	13	12	20	5	11	0	91	0	2	0	0	1	0	0	0	3
WISCONSIN—																			
Beloit	0	23	12	9	31	4	2	9	0	90	0	6	0	0	4	4	0	2	16
Janesville	10	14	13	3	19	16	4	1	10	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	3	30	13	15	5	8	6	11	0	91	----	----	----	----	----	----	----	----	----
Platteville	6	0	24	28	2	13	7	10	0	90	2	0	26	7	3	10	19	8	75
IOWA—																			
Dubuque	4	18	2	12	19	8	3	5	18	89	3	11	4	5	6	15	9	9	62
Fort Madison	0	18	2	31	16	15	2	6	0	90	4	4	9	4	5	21	12	4	63
Muscatine	0	24	0	31	0	28	0	7	0	90	0	7	0	0	0	29	0	1	37
Pella	7	6	4	11	45	1	7	9	0	90	----	----	----	----	----	----	----	----	----
Poultney	6	7	11	14	9	12	4	3	9	75	3	2	2	4	7	9	7	3	37
MINNESOTA—																			
Lac qui Parle	2	4	2	26	27	3	3	20	0	87	0	0	16	6	4	1	16	0	43
EASTERN CONTINENT—																			
Mosul, Mesopotamia	6	4	0	1	1	3	3	8	2	28	----	----	----	----	----	----	----	----	----

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Horton	0	1	0	24	4	16	17	11	19	92	1	0	0	20	6	25	18	11	81
Montreal	16	8	1	10	12	23	11	12	0	93	2	8	0	8	6	29	17	9	79
Red River Settlement	21	2	2	5	34	6	5	10	1	86	14	1	2	1	32	6	7	15	78
St. Martin	1	9	1	19	3	36	7	17	0	93	0	0	0	0	0	0	0	1	1
Toronto	1	8	1	13	2	21	7	37	2	92									
MAINE—																			
Carmel	1	6	3	16	1	11	3	14	6	61									
Fryeburg	4	6	8	5	1	19	9	7	0	59	1	1	2	4	1	6	15	5	35
Gardiner	0	17	1	22	3	21	1	19	9	93	0	0	0	5	3	24	2	11	45
Perry	7	4	6	16	7	27	11	15	0	93	2	3	3	18	13	24	10	8	81
Portland	11	6	9	20	4	8	21	11	0	90	5	1	4	17	5	5	8	5	50
Steuben	3	17	5	9	3	38	3	10	5	93	2	0	1	4	3	27	7	9	53
NEW HAMPSHIRE—																			
Concord	0	3	0	36	0	16	7	31	0	93									
Exeter	2	7	7	15	9	14	24	11	0	89	1	7	7	14	7	12	18	5	71
Londondery	3	7	4	16	3	4	4	23	29	93	1	3	2	10	0	5	9	4	34
Manchester	0	3	0	8	4	2	10	4	2	33	0	3	0	8	4	2	10	0	27
Stratford											1	0	6	3	0	17	18	14	59
VERMONT—																			
Brandon	16	0	4	7	38	5	9	9	5	93	5	0	0	1	9	6	9	20	50
Burlington	23	1	0	2	42	1	18	6	0	93	1	0	0	0	2	0	2	0	5
Castleton	1	4	4	1	7	13	6	10	27	73	0	0	0	0	1	8	0	5	14
Craftsbury	7	9	3	8	27	11	13	15	0	93	4	6	1	8	19	12	15	15	80
MASSACHUSETTS—																			
Amherst	1	1	2	30	4	7	4	36	0	85	0	2	0	2	4	8	5	11	32
Boston	1	7	2	10	1	21	9	10	1	62									
Mendon	1	6	0	0	0	39	7	40	0	93	0	6	0	0	0	43	14	30	93
Nantucket	3	6	3	14	6	25	11	15	9	92									
New Bedford	4	4	1	13	4	32	6	24	0	88	0	1	1	1	2	9	3	6	23
Newburyport	3	9	10	11	16	8	20	7	0	84	0	0	0	1	0	0	0	0	1
North Attleboro'	10	0	5	9	30	11	15	13	0	93	8	2	1	6	31	12	9	5	74
Princeton	4	8	8	7	1	16	38	11	0	93	1	0	3	2	0	12	25	6	49
Richmond	0	7	0	23	2	32	0	29	0	93	0	9	0	16	1	31	3	22	82
Southwick	1	11	2	4	5	11	3	6	7	50	0	7	0	4	2	17	4	4	38
Springfield	2	8	2	1	3	19	6	19	33	93	2	8	0	1	5	18	9	18	61
Westfield	5	4	1	7	9	12	25	10	0	73									
Williamstown	6	2	4	15	11	16	17	16	4	91	1	2	1	10	5	16	14	13	62
Worcester	1	12	0	13	0	28	0	39	0	93									
RHODE ISLAND—																			
Providence	2	9	5	9	11	23	3	30	0	92									
CONNECTICUT—																			
New London	5	5	10	7	1	35	10	18	0	91									
Pomfret	1	9	1	11	10	24	9	28	0	93	0	8	1	13	9	17	4	15	67
Saybrook	13	4	4	10	6	18	11	17	1	84	1	1	3	3	10	4	11	5	38
NEW YORK—																			
Angelica	0	2	0	3	4	42	18	15	0	84	0	0	0	0	0	19	20	10	49
Baldwinsville	4	1	1	8	1	29	17	26	0	87	4	0	0	0	0	5	45	19	73
Beverly	5	18	0	13	6	30	3	12	4	91	2	6	3	9	5	25	11	7	68
Canton	0	19	1	1	2	57	2	9	1	92	0	17	1	1	0	45	2	9	75
Gouverneur	21	0	0	0	0	28	40	4	0	93	13	0	0	0	0	29	23	3	68
Lodi	2	6	2	11	10	21	13	24	4	93	2	1	0	0	3	12	13	14	45
New York city	1	6	3	13	4	13	25	28	0	93	2	8	1	10	7	11	21	11	71
Ogdensburg	12	1	2	0	5	9	4	1	0	34									
Oswego	4	7	7	12	22	7	22	8	4	93									
Penn Yan	2	6	0	0	23	25	28	9	0	93									
Sag Harbor	3	6	4	13	4	31	7	17	1	86	2	5	3	3	11	24	16	12	76
Smithville	9	10	7	4	22	18	16	6	2	94	3	15	2	2	8	17	23	9	79
Spencertown	10	5	2	5	13	21	9	28	0	93	3	6	1	1	4	21	14	33	83
Wampsville	0	2	4	12	20	7	33	15	0	93	0	1	4	12	21	8	33	12	91
NEW JERSEY—																			
Bloomfield	6	6	3	8	11	35	8	14	0	91									
Burlington	8	6	0	0	5	14	33	4	23	93	4	5	0	0	6	5	9	3	32
Lambertville	4	10	0	6	4	24	5	31	0	84									

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford	0	0	0	9	0	27	3	20	0	59	0	0	0	4	0	18	6	15	43
Easton	3	3	1	14	5	3	11	41	12	93	0	4	0	1	0	3	6	16	30
Gettysburg	4	7	0	1	13	31	15	20	1	92	2	3	0	0	0	27	8	14	54
Harrisburg	9	4	5	8	12	0	15	31	0	84	4	0	0	3	5	0	5	16	33
Lima	8	7	1	5	5	4	2	32	29	93	1	5	1	1	3	16	15	18	60
Meadville	1	0	0	1	17	10	10	23	30	92	1	0	0	1	4	10	21	19	56
Morrisville	4	5	0	1	7	25	13	12	26	93	4	6	0	0	4	20	18	11	63
Moss Grove	0	0	0	2	9	16	21	6	1	55	0	0	0	0	0	7	45	16	68
Norristown	0	3	2	6	0	6	52	12	0	81	0	1	3	3	0	4	38	5	54
Philadelphia	3	9	0	2	3	35	15	26	0	93	0	2	0	0	2	9	10	3	26
Pittsburg, [M. H.]	1	0	10	7	23	12	32	8	31	124	----	----	----	----	----	----	----	----	----
Pocopson	11	4	2	0	7	14	39	10	0	87	0	0	0	0	1	1	5	1	8
Pottsville	4	7	6	0	9	5	30	30	2	93	4	5	6	0	3	3	16	26	63
West Haverford	1	2	3	2	1	20	13	14	6	62	2	1	2	0	5	5	7	9	31
DELAWARE—																			
Newark	11	3	0	0	3	14	9	14	0	54	0	0	0	1	0	1	0	0	2
MARYLAND—																			
Chestertown	5	8	3	3	2	13	14	19	0	67	1	0	0	2	3	4	10	8	28
Frederick	6	6	2	1	8	24	12	24	10	93	2	0	1	0	5	10	24	13	55
Sykesville	0	2	1	1	0	14	56	19	0	93	1	0	0	5	0	4	47	4	61
DISTRICT OF COLUMBIA—																			
Washington	1	10	0	4	0	13	23	20	22	93	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	15	4	0	3	20	12	16	23	0	93	----	----	----	----	----	----	----	----	----
Ashland	7	0	0	0	10	16	0	6	54	93	2	0	0	0	4	8	9	4	27
Crichton's Store	24	3	0	2	19	20	12	9	4	93	9	4	1	0	3	22	27	9	75
Lewisburg	0	0	0	0	0	0	5	0	0	5	0	0	0	0	1	0	10	3	14
Winchester	0	0	0	0	0	5	37	6	19	67	0	0	0	0	0	4	24	1	29
NORTH CAROLINA—																			
Chapel Hill	14	5	1	3	5	13	32	20	0	93	0	7	1	1	0	22	6	9	46
SOUTH CAROLINA—																			
All Saints	19	6	8	4	12	9	18	17	0	93	1	4	2	1	3	15	18	7	51
Camden	6	7	3	3	3	10	15	26	20	93	1	3	1	0	0	11	9	17	42
Charleston	0	21	2	8	0	15	3	13	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	0	15	2	1	0	0	2	4	0	24	----	----	----	----	----	----	----	----	----
Savannah	18	5	8	6	14	7	13	22	0	93	1	0	1	1	1	4	5	4	17
Sparta	5	23	2	9	2	14	3	35	0	93	1	3	1	2	0	4	3	10	24
The Rock	0	0	0	4	0	7	0	12	0	23	----	----	----	----	----	----	----	----	----
Whitemarsh Island	7	6	4	5	5	7	10	15	34	93	1	3	1	0	3	11	7	7	33
FLORIDA—																			
Cedar Keys	21	26	3	6	4	5	15	8	5	93	1	7	2	3	2	7	23	2	47
Jacksonville	7	15	2	0	1	29	2	35	0	91	5	5	0	0	0	32	3	4	49
Key West	8	25	5	9	3	1	4	5	2	62	----	----	----	----	----	----	----	----	----
Knox Hill	7	13	13	9	0	8	19	20	0	89	1	2	0	6	6	8	16	8	47
Warrington	7	15	9	5	4	6	8	29	10	93	1	0	5	4	1	10	9	10	40
ALABAMA—																			
Auburn	2	15	10	19	5	17	7	17	0	92	0	2	0	7	3	11	2	4	29
Greene Springs	8	23	21	0	1	9	9	7	4	82	2	2	0	2	1	6	12	8	33
MISSISSIPPI—																			
Jackson	73	0	0	0	14	0	6	0	0	93	5	0	3	0	4	0	32	0	44
Oxford	2	18	9	10	5	10	13	24	2	93	0	3	4	4	1	3	14	14	43
LOUISIANA—																			
New Orleans	27	14	9	6	6	0	8	5	3	78	1	0	0	1	0	1	6	3	12
TEXAS—																			
Austin	30	12	0	7	18	12	3	11	0	93	16	4	0	5	14	14	9	11	73
New Wied	17	8	8	7	14	0	6	9	24	93	0	0	0	2	4	1	2	0	9
ARKANSAS—																			
Camden	2	0	0	4	3	5	2	8	12	36	0	0	5	6	2	7	1	3	24
TENNESSEE—																			
Glenwood	13	6	1	5	17	12	2	9	28	93	2	0	0	0	4	11	27	13	57

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—																			
Bowling Green	4	2	2	2	7	23	9	5	39	93	7	1	0	1	8	16	8	8	49
Millersburg	14	0	2	2	10	1	19	3	0	51	----	----	----	----	----	----	----	----	----
Springdale	0	7	2	0	1	32	6	11	34	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Cheviot	2	7	5	12	13	28	13	13	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Hurtt]	1	0	0	3	0	32	6	37	0	79	1	0	0	0	0	0	1	2	4
Cincinnati	1	6	0	11	0	20	8	16	0	62	----	----	----	----	----	----	----	----	----
Cleveland	11	2	0	2	28	18	9	16	1	87	5	2	0	0	0	11	12	15	45
Gallipolis	6	1	1	0	20	15	4	14	0	61	----	----	----	----	----	----	----	----	----
Germantown	0	5	0	0	0	39	0	37	0	81	0	4	0	0	0	20	0	24	48
Granville	0	6	1	0	1	18	10	4	31	71	0	1	0	0	0	8	9	4	22
Hillsborough	5	4	0	7	1	27	0	18	0	62	0	0	0	0	0	8	2	6	16
Hiram	7	1	0	0	5	15	6	16	37	87	5	0	0	1	1	16	8	26	57
Jackson, [Gilmor]	1	2	0	2	3	5	11	3	30	57	0	0	0	1	1	11	25	5	43
Oberlin	8	1	0	0	17	14	11	24	17	92	3	2	0	2	1	7	31	19	65
Savannah	10	4	0	11	1	19	14	30	0	89	4	1	0	1	0	15	7	21	49
Unionville	----	----	----	----	----	----	----	----	----	----	3	1	0	0	0	14	34	28	80
Urbana	1	0	1	4	7	14	9	20	0	56	1	0	0	1	3	6	15	20	46
Zanesville	4	0	0	0	0	36	9	44	0	93	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	11	0	0	6	11	17	9	23	15	92	7	0	0	0	2	13	13	19	54
Ann Arbor, [Winchell]	5	3	0	3	8	15	17	24	17	92	5	1	0	1	0	11	22	27	67
Battle Creek	9	8	0	2	19	17	11	20	7	93	8	4	0	0	2	12	21	24	71
Cooper	1	1	17	0	0	0	41	2	31	93	0	2	24	0	0	0	23	0	49
Detroit	15	8	1	0	9	37	9	14	0	93	----	----	----	----	----	----	----	----	----
Flint	19	3	0	1	29	5	12	17	0	86	----	----	----	----	----	----	----	----	----
Grand Rapids	9	9	5	8	1	17	6	3	28	86	0	0	0	0	0	7	2	4	13
Monroe, [Whelpley]	15	12	3	4	12	7	3	37	0	93	14	16	1	1	7	6	6	32	83
St James	16	4	5	6	8	15	4	28	7	93	13	0	0	0	7	12	9	21	62
Saugatuck	8	10	16	6	3	21	19	10	0	93	1	11	2	0	2	14	40	29	99
INDIANA—																			
Milton	7	11	0	4	2	7	6	16	37	90	0	2	0	0	0	4	3	3	12
New Harmony	14	1	1	4	5	21	6	10	0	62	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	5	9	2	15	8	18	4	22	0	83	1	0	0	4	1	7	7	19	39
Augusta	8	3	8	8	7	21	21	8	9	93	6	2	1	4	2	3	12	5	35
Manchester	13	8	1	3	15	14	20	19	0	93	14	0	0	0	5	9	16	4	48
Ottawa	13	11	1	5	13	11	3	18	1	76	8	1	0	0	1	5	2	9	26
Upper Alton	15	9	0	6	28	9	9	20	0	96	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	32	6	0	8	19	14	11	3	0	93	2	0	0	0	1	1	5	0	9
Janesville	17	4	3	7	10	27	9	10	6	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	9	7	5	4	5	19	15	29	0	93	----	----	----	----	----	----	----	----	----
Platteville	9	9	3	14	13	8	6	31	0	93	----	----	----	----	----	----	----	----	----
Superior	----	----	----	----	----	----	----	----	----	----	17	13	4	3	1	26	10	19	93
IOWA—																			
Dubuque	18	0	1	10	18	7	6	14	16	90	3	1	0	4	0	7	4	13	32
Fort Madison	6	17	1	20	11	13	4	21	0	93	7	4	0	0	0	4	19	12	46
Muscatine	8	8	1	14	11	25	4	22	0	93	0	1	0	0	0	11	2	8	22
Pella	8	4	0	7	30	0	20	24	0	93	----	----	----	----	----	----	----	----	----
Poultney	7	3	4	5	5	15	6	19	12	76	3	0	0	0	0	1	2	3	9
Quasqueton	6	7	1	8	5	16	6	23	0	72	0	2	0	0	0	0	0	0	2
WEST INDIES—																			
Up Park Camp, Jamaica	4	11	4	35	2	0	0	6	0	62	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	5	2	0	2	2	3	1	2	5	22	----	----	----	----	----	----	----	----	----

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Horton	1	6	1	16	2	18	11	31	4	90	2	7	1	13	2	18	13	18	74
Montreal	16	22	0	4	17	12	7	12	0	90	1	0	0	0	3	33	17	7	61
Red River Settlement	11	3	3	1	29	12	14	2	0	75	7	5	2	1	21	8	14	4	62
St. Martin	1	25	1	16	3	23	2	19	0	90									
Toronto	5	11	9	10	0	25	6	22	2	90									
MAINE—																			
Carmel	1	6	0	12	5	11	2	28	18	83	1	4	1	8	5	10	1	11	41
Fryeburg	7	8	5	3	0	12	12	11	0	58	2	0	0	0	0	2	12	15	31
Gardiner	2	24	0	11	1	18	3	20	9	88	0	5	0	3	0	16	2	12	38
Perry	8	17	5	6	2	18	8	26	0	90	5	10	6	1	2	10	13	11	58
Portland	11	18	2	1	4	10	18	25	1	90	8	2	0	0	2	3	16	9	40
Steuben	3	29	1	5	0	23	0	24	5	90	3	10	3	2	2	25	9	10	64
Windham	3	13	2	3	0	7	2	28	12	70	0	0	0	0	0	1	1	0	2
NEW HAMPSHIRE—																			
Concord	1	18	0	8	1	19	0	43	0	90									
Exeter	9	11	5	7	1	11	16	29	0	89	8	13	5	5	1	10	8	16	66
Londonderry	2	12	5	6	0	6	4	28	27	90	1	2	2	3	0	2	5	2	17
Manchester	2	19	8	2	2	2	21	25	0	81	0	18	8	1	0	2	14	11	54
Stratford	13	0	4	0	4	0	20	0	0	41									
VERMONT—																			
Brandon	25	0	2	7	31	7	3	11	4	90	3	0	0	0	2	1	10	20	36
Burlington	26	2	0	7	37	4	9	5	0	90	0	0	0	0	0	1	1	3	5
Castleton	17	1	2	1	18	19	2	12	18	90	6	1	1	1	4	7	1	8	29
Craftsbury	4	9	2	14	28	3	14	16	0	90	2	5	0	1	10	3	34	17	72
MASSACHUSETTS—																			
Amherst	5	10	0	20	3	4	4	39	2	87	0	2	1	0	1	3	3	17	27
Mendon	0	26	1	0	5	22	3	33	0	90	0	25	1	0	4	27	3	30	90
Nantucket	11	23	5	2	3	11	7	24	4	90									
New Bedford	11	22	4	2	1	16	3	27	2	88	1	1	0	1	0	6	9	8	26
Newburyport	14	11	3	5	5	4	20	24	0	86									
North Attleboro'	19	15	0	2	9	9	7	29	0	90	13	11	1	1	11	7	13	10	67
Princeton	5	19	10	2	4	8	21	21	0	90	4	8	7	1	1	4	22	7	54
Richmond	0	6	0	8	0	34	0	42	0	90	0	4	0	9	1	33	0	30	77
Southwick	4	22	1	2	6	6	1	7	2	51	0	6	1	2	0	12	1	5	27
Springfield	10	7	2	0	1	10	3	23	34	90	9	8	2	0	1	9	9	18	56
Westfield	10	12	2	12	4	4	17	24	0	85									
Williamstown	3	3	9	11	3	9	18	21	9	86	0	0	2	3	0	11	16	12	44
Worcester	2	18	0	13	0	23	4	30	0	90									
RHODE ISLAND—																			
Providence	1	30	2	0	5	8	3	33	2	84									
CONNECTICUT—																			
New London	13	16	5	1	2	11	1	41	0	90									
Pomfret	0	26	2	2	4	16	2	38	0	90	0	24	3	1	4	15	2	18	67
Saybrook	12	19	4	4	0	10	10	25	5	89	1	6	9	1	0	3	13	10	43
NEW YORK—																			
Angelica	4	3	0	19	8	21	27	6	0	88	0	2	0	1	0	28	28	13	72
Baldwinsville	2	4	7	11	8	10	19	21	0	82	0	3	2	1	0	12	29	23	70
Beverly	5	23	1	8	0	23	1	15	0	76	3	9	6	7	1	20	10	2	58
Blackwell's Island	11	30	4	1	1	15	7	21	0	90	13	16	7	0	0	13	6	20	75
Canton	3	16	0	0	3	33	2	16	4	77	3	14	0	0	3	31	2	13	66
Gouverneur	17	20	0	3	0	27	13	10	0	90	6	9	0	0	0	16	4	7	42
Lodi	3	0	0	19	11	7	10	32	5	87	2	0	0	1	12	9	10	18	52
New York city	5	21	2	3	2	6	4	45	0	88	3	13	11	0	2	7	9	30	75
Ogdensburg	9	6	2	3	8	11	5	8	0	52	1	0	0	0	3	0	3	0	7
Oswego	4	12	6	7	20	11	24	3	3	90									
Ovid	6	2	5	9	13	15	14	26	0	90	3	2	4	9	9	11	21	32	91
Penn Yan	0	11	0	2	25	16	25	11	0	90									
Smithville	5	13	2	7	23	18	15	7	0	90	2	12	0	0	9	26	27	6	82
Spencertown	13	0	2	6	12	24	2	31	0	90	3	0	1	5	7	8	20	21	65
Wampsville	0	0	12	6	16	4	40	3	0	90	0	0	10	6	16	4	44	3	83

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	1	23	3	10	0	39	1	13	0	90									
Burlington	7	30	1	0	2	5	26	3	16	90	2	13	0	0	2	1	3	1	22
Lambertville	1	26	0	5	3	11	2	36	0	84									
PENNSYLVANIA—																			
Bedford	0	0	0	18	0	23	1	36	0	78	0	0	0	18	0	18	2	21	59
Easton	12	9	4	4	5	5	3	30	8	80	0	2	1	0	0	0	10	1	14
Gettysburg	12	11	4	3	7	23	6	17	7	90	1	7	0	3	0	14	11	11	47
Harrisburg	3	4	17	11	1	2	6	36	0	80	0	0	1	1	0	1	3	16	22
Lima	2	29	6	4	2	7	4	19	17	90	1	9	1	5	2	5	21	14	58
Meadville	0	2	0	17	11	10	5	18	27	90	1	0	0	6	6	15	13	19	60
Morrisville	10	18	2	0	3	16	13	17	11	90	11	14	2	0	0	14	15	14	70
Moss Grove	1	2	3	2	26	15	28	1	0	78	0	0	0	3	5	20	34	0	62
Norristown	0	11	10	7	1	7	19	23	0	78	0	2	12	4	0	5	32	6	61
Philadelphia	3	30	2	3	0	20	5	27	0	90	0	2	0	2	0	2	4	6	16
Pittsburg, [M. H.]	0	0	21	9	11	10	36	4	29	120									
Pocopson	9	10	10	4	5	14	25	13	0	90	0	0	0	2	0	2	2	1	7
Pottsville	6	6	16	10	10	1	3	33	5	90	4	3	11	9	6	1	7	18	59
West Haverford	2	8	7	3	2	8	2	10	17	59	3	1	3	2	0	5	7	8	29
DELAWARE—																			
Newark	4	7	0	3	0	2	5	12	0	33									
MARYLAND—																			
Annapolis	8	15	6	6	1	17	10	22	3	88									
Bladensburg	1	3	7	2	1	10	0	13	0	37									
Chestertown	4	8	10	8	1	15	12	16	0	74	0	0	0	1	1	3	8	4	17
Frederick	8	19	3	4	4	19	7	16	10	90	4	1	2	1	5	6	34	3	56
Sykesville	1	10	5	10	2	6	39	17	0	90	3	7	13	4	0	7	39	4	77
DISTRICT OF COLUMBIA—																			
Washington	0	10	14	2	1	7	27	10	19	90									
VIRGINIA—																			
Alexandria	15	12	9	7	16	3	11	15	0	88									
Buffalo	8	0	0	0	14	9	9	15	27	82	0	0	0	0	1	15	24	4	44
Crichton's Store	35	8	0	1	20	12	9	3	2	90	14	10	0	0	4	32	15	1	76
Lewisburg	0	0	0	0	0	0	3	1	0	4	0	0	3	0	4	1	28	1	37
Winchester	0	0	7	0	2	2	25	3	0	39	0	0	2	0	0	2	9	0	13
NORTH CAROLINA—																			
Chapel Hill	14	15	4	3	2	18	12	14	0	82	2	5	3	0	1	37	3	0	51
SOUTH CAROLINA—																			
All Saints	22	16	2	18	12	10	6	4	0	90	10	16	0	1	1	10	32	2	72
Camden	11	33	0	7	0	14	9	12	4	90	3	8	3	0	2	12	25	6	59
Charleston	0	39	4	3	1	5	0	8	0	60									
GEORGIA—																			
Savannah	20	14	12	18	3	6	5	13	0	91	0	0	0	2	1	3	12	1	19
Sparta	1	29	7	16	4	14	2	12	0	85	0	4	4	8	0	18	4	4	42
The Rock	1	8	1	3	0	0	2	7	0	22									
Whitemarsh Island	10	28	4	8	7	3	3	5	22	90	4	15	1	5	3	12	8	4	52
FLORIDA—																			
Cedar Keys	8	32	14	7	8	1	6	3	11	90	2	9	12	5	5	4	5	3	45
Jacksonville	12	32	3	11	2	8	2	15	1	86	7	19	6	13	0	17	8	7	77
Key West	13	24	8	5	3	0	3	4	0	60									
Knox Hill	10	17	21	9	7	11	2	9	0	86	3	10	12	8	6	15	4	5	63
St. Augustine	3	53	11	10	3	2	1	7	0	90	3	48	11	10	3	2	1	7	85
Warrington	10	40	6	13	5	5	3	4	4	90	3	24	1	14	2	6	4	8	62
ALABAMA—																			
Auburn	0	16	4	30	11	13	3	13	0	90	1	12	6	13	9	17	6	5	69
Greene Springs	14	18	24	8	0	3	4	5	3	79	0	1	2	9	7	22	11	6	58
MISSISSIPPI—																			
Jackson	44	0	7	0	30	0	8	0	1	90	5	0	18	1	17	1	29	0	71
Oxford	19	11	5	11	1	5	16	22	0	90	4	2	2	16	9	6	16	15	70
LOUISIANA—																			
New Orleans	17	22	9	18	5	2	0	9	1	83	3	0	1	5	5	9	8	5	36

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—																			
Austin	16	11	0	6	16	12	3	26	0	90	10	1	0	4	22	25	1	11	74
New Wied	27	6	9	5	8	3	8	7	17	90	0	0	0	0	2	5	8	0	15
ARKANSAS—																			
Camden	9	3	1	12	7	12	2	17	27	90	0	0	6	10	8	26	11	5	66
TENNESSEE—																			
Glenwood	19	10	2	7	17	16	4	8	16	90	2	0	0	5	9	28	21	9	74
KENTUCKY—																			
Danville	6	16	3	2	13	22	2	23	0	87	1	1	1	0	1	34	10	9	57
Millersburg	8	0	13	9	9	4	9	5	0	57									
Springdale	3	10	12	1	0	24	10	8	22	90									
OHIO—																			
Cheviot	8	11	10	21	6	12	6	16	0	90									
Cincinnati, [Hurtt]	1	1	17	2	2	31	23	12	0	89	1	1	0	0	1	1	2	2	8
Cleveland	8	6	5	14	20	13	7	13	0	86	1	5	3	0	5	14	16	9	53
Gallipolis	5	3	0	6	6	4	4	9	0	37									
Germantown	3	9	0	9	2	28	2	34	0	87	0	6	0	6	1	28	3	19	63
Granville	0	12	5	4	4	16	7	3	20	71	0	1	1	0	1	15	8	1	27
Hillsborough	1	18	0	10	2	17	1	11	0	60	0	1	0	0	0	3	0	5	9
Jackson, [Gilmor]	12	2	9	10	4	12	26	1	14	90	2	0	4	9	3	9	37	2	66
Oberlin	2	5	3	11	14	15	11	15	12	88	1	2	2	0	7	8	28	7	55
Savannah	7	5	0	2	1	29	3	42	0	89	3	6	0	2	1	25	1	31	69
Unionville	6	9	5	2	7	23	24	10	4	90	4	8	0	0	5	21	31	11	80
Urbana	3	7	0	3	10	6	24	6	0	59	0	10	0	20	4	15	10	12	71
Zanesville	7	10	4	7	0	10	6	46	0	90									
MICHIGAN—																			
Ann Arbor, [Woodruff]	5	9	6	16	4	18	8	9	11	86	2	0	1	4	2	15	29	6	59
Ann Arbor, [Winchell]	2	4	5	17	13	10	16	14	8	89	0	1	0	3	13	19	20	12	68
Battle Creek	4	5	8	13	10	14	17	12	7	90	5	0	1	3	3	19	32	12	75
Cooper	1	0	15	4	8	1	40	1	20	90	0	1	13	1	6	2	26	0	49
Detroit	9	13	12	6	5	32	9	4	0	90									
Flint	14	3	2	7	12	29	10	7	0	84									
Grand Rapids	3	12	7	4	3	15	13	6	25	88	1	1	0	2	2	8	8	6	28
Monroe	15	4	12	13	9	11	5	15	0	84	13	7	7	9	6	8	4	24	78
St. James	7	5	12	11	9	27	2	16	1	90	5	0	4	2	2	23	8	11	55
Saugatuck	5	5	29	7	4	8	20	12	0	90	2	1	3	4	4	27	32	16	89
INDIANA—																			
Milton	3	15	1	6	3	10	10	4	38	90	0	0	1	0	2	5	3	3	14
New Harmony	9	0	6	9	10	10	6	11	0	61									
ILLINOIS—																			
Athens	0	9	3	25	8	11	6	23	0	85	0	2	0	1	6	14	10	18	51
Augusta	1	9	6	19	15	14	15	8	3	90	1	5	1	6	6	4	9	1	33
Manchester	5	9	2	2	27	10	20	15	0	90	6	0	1	0	14	13	9	5	48
Ottawa	0	1	0	4	5	6	6	6	0	28	0	0	0	0	0	1	6	1	8
Upper Alton	4	12	0	10	17	29	13	6	0	91	0	0	0	0	0	1	0	0	1
MISSOURI—																			
St. Louis	7	11	5	24	6	10	23	4	0	90									
WISCONSIN—																			
Beloit	1	10	4	10	26	11	14	14	0	90	2	1	0	1	8	3	10	2	27
Janesville	4	13	2	16	8	20	15	5	7	90									
Milwaukee	4	7	13	12	7	15	18	14	0	90									
Platteville	5	2	12	16	10	15	25	5	0	90	5	0	6	3	1	19	27	3	64
Superior	1	7	3	4	6	39	9	7	0	76	1	7	3	3	3	35	12	12	76
IOWA—																			
Dubuque	6	2	3	11	14	8	12	12	20	88	2	0	1	1	1	7	16	10	38
Fort Madison	3	13	4	33	10	11	2	14	0	90	2	5	4	2	0	12	19	4	48
Muscatine	0	13	0	34	0	18	1	24	0	90	0	3	0	5	0	17	0	2	27
Pella	5	3	2	13	32	4	25	6	0	90									
Poultney	1	5	7	9	8	16	19	5	15	85	1	0	0	1	0	3	7	3	15
Quasqueton	0	3	1	20	2	11	4	27	0	68	0	0	0	0	2	1	0	1	4
MINNESOTA—																			
Red Wing	6	3	18	6	5	3	15	23	1	84	10	2	3	0	13	5	27	10	70
WEST INDIES—																			
Up Park Camp, Jamaica	4	24	1	24	3	1	1	2	0	60									
EASTERN CONTINENT—																			
Mosul, Mesopotamia	3	1	0	0	2	0	0	0	0	6									

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Horton	3	4	3	5	1	17	21	26	13	93	2	8	4	8	1	16	25	22	86
Montreal	17	13	2	2	11	19	9	20	0	93	0	3	3	0	0	32	36	1	75
Red River Settlement	25	5	3	0	30	11	4	2	4	84	15	4	2	0	13	8	6	6	54
St Martin	0	26	0	7	0	32	16	12	0	93	----	----	----	----	----	----	----	----	----
Toronto	4	10	2	11	0	37	9	20	0	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	0	3	2	9	0	11	14	25	16	80	0	1	2	6	0	8	7	8	32
Fryeburg	7	5	1	1	2	12	15	16	0	59	0	0	0	0	0	4	9	19	32
Gardiner	3	25	1	10	0	21	4	22	7	93	0	1	0	0	1	19	1	9	31
Perry	2	6	0	5	2	16	11	51	0	93	5	4	0	1	1	14	13	11	49
Portland	5	16	2	1	1	11	30	25	2	93	1	0	0	0	0	2	11	7	21
Steuben	0	14	0	4	1	25	11	33	0	88	0	2	0	0	0	25	17	16	60
Windham	4	7	1	11	6	4	1	40	8	82	----	----	----	----	----	----	----	----	----
NEW HAMPSHIRE—																			
Concord	3	3	0	10	2	15	1	59	0	93	----	----	----	----	----	----	----	----	----
Exeter	4	1	0	2	0	16	31	19	0	73	4	1	0	2	0	12	18	8	45
Londonderry	2	5	0	5	1	3	9	30	38	93	0	0	1	2	1	0	7	3	14
Manchester	2	10	0	3	4	10	19	33	0	81	1	10	0	3	1	9	17	5	46
Stratford	7	0	4	0	2	0	23	0	0	36	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	19	0	0	2	38	10	4	15	0	88	0	0	0	0	2	2	13	18	35
Burlington	12	6	0	5	41	6	14	9	0	93	----	----	----	----	----	----	----	----	----
Craftsbury	5	4	6	4	30	20	9	15	0	93	4	1	1	0	10	14	27	14	71
MASSACHUSETTS—																			
Amherst	9	7	1	15	4	6	8	19	0	69	0	0	0	0	0	1	2	8	11
Boston	9	3	3	2	1	13	16	15	0	62	----	----	----	----	----	----	----	----	----
Mendon	0	17	4	0	2	35	5	30	0	93	0	17	4	0	2	35	5	31	94
Nantucket	8	5	0	9	3	18	9	33	8	93	----	----	----	----	----	----	----	----	----
New Bedford	4	10	3	1	2	21	10	35	2	88	0	2	2	0	1	2	7	5	19
Newburyport	14	4	3	3	10	9	23	13	0	79	----	----	----	----	----	----	----	----	----
North Attleboro'	17	5	2	2	12	19	15	21	0	93	5	9	2	1	6	12	21	10	66
Princeton	2	11	5	3	1	16	34	21	0	93	1	10	2	2	0	9	32	5	61
Richmond	0	12	0	11	1	26	0	43	0	93	0	9	0	10	2	15	3	31	70
Southwick	0	10	1	0	5	7	6	13	2	44	0	1	0	0	0	13	3	5	22
Springfield	12	3	0	0	4	9	2	21	42	93	4	2	0	0	2	6	5	15	34
Westfield	12	9	1	18	3	10	18	16	0	87	----	----	----	----	----	----	----	----	----
Williamstown	0	3	9	11	5	12	23	18	9	90	0	0	0	2	1	8	13	13	37
Worcester	24	4	0	2	7	25	15	16	0	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	4	9	3	3	2	22	10	40	0	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	3	9	0	4	3	25	10	39	0	93	----	----	----	----	----	----	----	----	----
Pomfret	8	12	1	4	7	23	3	35	0	93	2	9	2	3	6	22	7	16	67
Saybrook	8	9	4	4	3	11	16	28	9	92	3	1	0	1	4	2	11	14	36
NEW YORK—																			
Angelica	0	3	2	18	2	41	21	6	0	93	0	0	0	4	1	34	28	1	68
Baldwinsville	0	5	18	3	1	8	26	28	0	89	0	0	0	1	0	1	38	24	64
Beverly	3	15	0	11	3	33	3	13	0	81	0	9	0	7	3	26	14	3	62
Canton	1	16	0	0	3	55	5	8	0	88	2	18	0	0	4	52	3	9	88
Gouverneur	3	0	0	0	0	10	2	0	0	15	2	0	0	0	0	9	1	1	13
Lodi	1	5	3	19	9	11	22	16	7	93	0	0	1	3	4	6	17	11	42
Madrid	0	11	0	0	0	26	4	3	9	53	0	5	0	0	0	31	4	2	42
New York city	0	14	3	8	1	23	12	32	0	93	0	8	4	5	3	14	25	15	74
Ogdensburg	3	4	3	0	2	11	3	5	0	31	----	----	----	----	----	----	----	----	----
Oswego	1	1	12	7	28	6	31	3	4	93	----	----	----	----	----	----	----	----	----
Ovid	1	4	2	5	13	16	17	24	0	82	0	1	2	2	1	12	14	16	48
Penn Yan	3	4	2	0	18	38	26	2	0	93	----	----	----	----	----	----	----	----	----
Sag Harbor	2	13	1	4	3	28	11	29	1	92	0	4	2	6	0	26	15	11	64
Smithville	3	11	10	4	17	22	20	6	0	93	6	7	1	0	0	39	32	0	85
Spencertown	2	1	0	8	7	16	2	57	0	93	1	1	0	7	4	8	13	22	56
Wampsville	0	1	11	17	15	5	44	0	0	93	0	1	11	14	15	3	43	0	87
Watertown	3	37	0	0	0	25	5	5	0	75	3	31	0	0	0	25	3	9	71

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Burlington	6	15	2	1	5	12	33	5	10	89	2	4	0	1	4	4	6	1	22
Lambertville	1	13	0	4	7	9	9	34	0	77									
PENNSYLVANIA—																			
Carlisle	0	19	1	11	0	26	10	18	8	93	0	5	0	5	0	15	12	15	52
Easton	3	5	3	13	1	4	13	36	14	92	0	0	0	4	2	5	15	13	39
Gettysburg	5	11	0	1	5	26	18	20	7	93	0	0	0	0	3	21	23	10	57
Harrisburg	0	2	8	19	4	2	7	50	0	92	0	1	0	0	2	0	4	26	33
Lima	5	14	1	5	5	1	11	25	26	93	1	1	0	1	2	9	21	11	46
Meadville	0	1	1	10	10	18	10	11	32	93	0	0	0	2	3	19	18	8	50
Morrisville	2	16	0	2	2	12	31	23	5	93	1	9	0	2	2	5	35	15	69
Moss Grove	0	3	1	7	26	23	16	11	0	87	0	0	0	0	1	20	38	8	67
Nazareth Hall	5	16	3	1	4	20	20	21	0	90	1	2	0	0	0	7	16	11	37
Norristown	0	6	7	3	0	7	37	18	0	78	0	0	1	2	0	7	39	13	62
Philadelphia	3	17	0	6	1	25	19	22	0	93	1	0	0	0	1	10	8	2	22
Pittsburg, [M. H.]	3	0	13	3	8	16	43	3	35	124									
Pocopson	5	4	7	2	3	23	39	8	0	91	0	0	0	0	0	3	5	0	8
Pottsville	6	5	17	5	1	10	6	38	1	89	2	3	3	0	3	7	6	25	49
West Haverford	1	1	4	3	1	10	3	17	22	62	3	0	0	1	0	3	13	12	32
MARYLAND—																			
Annapolis	7	9	0	2	10	11	3	28	0	70									
Bladensburg	1	5	2	1	2	9	1	14	0	35									
Chestertown	6	1	8	3	5	11	13	19	0	66	0	0	0	0	1	2	11	1	15
Frederick	5	13	1	2	8	25	13	16	0	83	1	0	0	0	4	7	37	6	55
Sykesville	5	3	1	12	6	8	53	5	0	93	1	0	5	9	4	6	54	1	80
DISTRICT OF COLUMBIA—																			
Washington	1	12	1	5	5	25	11	19	14	93									
VIRGINIA—																			
Alexandria	17	9	2	8	15	14	0	27	0	92									
Ashland	4	0	0	1	2	19	8	10	49	93	0	0	0	0	0	14	25	6	45
Crichton's Store	28	1	1	5	24	13	16	5	0	93	7	2	0	1	9	41	12	3	75
Lewisburg	1	0	0	0	0	6	1	0	0	8	0	0	0	0	0	2	25	1	28
Winchester	1	0	1	1	0	3	12	11	64	93	0	0	0	0	1	0	8	1	10
NORTH CAROLINA—																			
Chapel Hill	8	12	3	1	12	13	26	18	0	93	0	0	0	0	3	37	4	1	45
SOUTH CAROLINA—																			
All Saints	18	11	9	4	8	22	8	13	0	93	5	1	1	3	6	29	7	1	53
Camden	7	19	0	10	2	21	8	21	0	88	0	4	1	1	1	25	12	7	51
Charleston	2	23	8	7	1	10	1	10	0	62									
GEORGIA—																			
Augusta	9	5	6	9	3	8	15	13	0	68									
Savannah	13	12	12	13	11	5	6	21	0	93	0	0	0	2	1	7	11	0	21
Sparta	1	24	5	9	9	15	3	25	0	91	1	3	1	1	3	24	5	6	44
The Rock	1	6	1	7	1	3	0	9	0	28									
Whitemarsh Island	11	14	5	6	6	7	7	15	22	93	5	1	0	4	2	23	7	4	46
FLORIDA—																			
Cedar Keys	11	23	11	15	8	5	5	6	9	93	0	5	8	2	5	15	8	6	49
Jacksonville	10	28	0	7	6	22	1	19	0	93	16	9	3	2	6	25	2	2	65
Key West	7	19	10	15	2	2	0	4	3	62									
Warrington	16	30	4	8	1	15	2	16	1	93	9	2	2	13	0	22	7	8	63
ALABAMA—																			
Auburn	5	9	3	31	5	6	4	30	0	93	1	9	0	18	9	9	1	2	49
MISSISSIPPI—																			
Jackson	69	0	2	0	21	1	0	0	0	93	2	2	7	0	14	1	28	1	55
Oxford	6	7	3	34	3	11	6	23	0	93	1	4	3	8	6	16	5	9	52
LOUISIANA—																			
New Orleans	18	26	12	16	6	3	2	8	2	93	5	1	0	2	3	12	3	5	31
TEXAS—																			
Austin	24	2	0	16	6	23	3	17	2	93	6	0	0	9	5	33	5	9	67
New Wied	30	5	12	4	11	0	8	2	20	92	0	0	1	1	6	4	2	0	14
TENNESSEE—																			
Glenwood	7	5	2	12	16	9	4	24	14	93	1	3	0	0	3	13	14	15	49

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—																			
Danville	6	4	1	7	18	28	18	11	0	93	0	0	2	1	0	28	20	5	56
Millersburg	11	0	10	3	10	1	7	22	0	64	----	----	----	----	----	----	----	----	----
Springdale	2	5	5	3	5	38	5	7	23	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	1	4	1	11	12	26	18	12	0	85	0	2	1	7	9	32	12	13	76
Cheviot	1	6	9	19	8	20	15	15	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Hurtt]	7	0	0	0	1	42	40	3	0	93	0	0	0	0	0	0	1	1	2
Cincinnati, [Lea]	3	2	2	6	9	13	10	3	18	66	----	----	----	----	----	----	----	----	----
Cincinnati, [Telegraph]	4	10	2	6	14	14	6	6	0	62	----	----	----	----	----	----	----	----	----
Cleveland	5	4	6	7	30	15	13	9	0	89	2	0	3	0	5	16	19	9	54
Gallipolis	1	2	2	0	3	10	6	13	0	37	----	----	----	----	----	----	----	----	----
Germantown	4	10	3	28	6	29	0	7	0	87	2	8	2	15	2	36	0	2	67
Granville	0	1	1	0	0	2	4	0	5	13	0	2	1	0	1	5	10	0	19
Hillsborough	0	10	1	14	4	21	5	7	0	62	0	0	0	0	0	6	0	1	7
Oberlin	2	4	1	12	13	20	27	14	0	93	0	3	1	1	3	15	31	3	57
Savannah	1	1	0	9	0	28	6	42	0	87	0	1	0	9	0	24	4	28	66
Unionville	5	5	1	11	18	30	16	2	5	93	5	1	0	1	8	45	17	13	90
Urbana	3	2	0	15	4	17	16	12	0	69	0	0	1	4	0	9	42	6	62
Zanesville	2	2	0	0	3	51	15	20	0	93	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	8	6	5	11	7	21	13	13	4	88	2	1	2	2	0	10	26	12	55
Ann Arbor, [Winchell]	4	3	7	11	12	20	16	12	8	93	1	3	1	11	0	24	28	13	81
Battle Creek	5	6	6	12	10	17	25	11	0	92	0	2	2	5	0	8	58	10	85
Detroit	3	17	4	6	4	47	10	2	0	93	----	----	----	----	----	----	----	----	----
Flint	8	3	0	5	20	24	19	8	0	87	----	----	----	----	----	----	----	----	----
Grand Rapids	2	15	2	11	0	27	21	6	10	94	0	1	0	0	0	6	3	4	14
Monroe	12	15	15	2	1	9	7	32	0	93	11	16	12	6	0	8	7	31	91
St. James	10	1	4	10	10	17	10	30	1	93	3	2	2	1	2	15	10	16	51
Saugatuck	1	6	22	9	5	11	30	9	0	93	3	4	2	3	10	15	60	12	109
INDIANA—																			
Milton	12	2	1	11	5	7	12	9	31	90	0	0	0	1	2	3	8	0	14
New Harmony	7	0	5	5	18	10	14	4	0	63	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	3	4	2	20	1	24	8	22	0	84	1	2	0	1	1	8	25	10	48
Augusta	1	10	6	10	5	24	19	17	0	92	1	4	1	8	2	5	7	5	33
Manchester	10	1	2	0	21	12	31	16	0	93	0	0	0	0	5	18	19	5	47
Ottawa	6	11	6	6	7	19	15	14	1	85	0	1	0	0	1	3	2	8	15
Upper Alton	0	10	2	4	6	26	25	21	0	94	----	----	----	----	----	----	----	----	----
MISSOURI—																			
St Louis	2	3	3	24	11	19	15	16	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	9	1	3	13	10	6	26	25	0	93	2	0	1	2	2	0	4	3	14
Janesville	14	3	4	8	21	14	13	10	6	93	----	----	----	----	----	----	----	----	----
Milwaukee	0	8	8	8	7	21	20	21	0	93	----	----	----	----	----	----	----	----	----
Platteville	8	6	10	6	6	20	29	8	0	93	3	5	5	6	6	11	22	5	63
Superior	3	12	1	1	9	51	9	5	0	91	3	12	1	1	6	50	8	8	89
IOWA—																			
Dubuque	20	3	2	7	12	5	10	9	17	85	9	0	1	0	1	1	9	7	28
Fort Madison	4	8	0	18	15	20	3	25	0	93	0	4	0	3	0	15	15	6	43
Muscatine	0	5	3	17	0	30	4	34	0	93	0	1	0	0	0	14	0	2	17
Pella	7	4	6	6	24	5	29	12	0	93	----	----	----	----	----	----	----	----	----
Poultney	6	11	8	5	1	26	17	10	7	91	0	0	0	0	0	2	10	3	15
Quasqueton	4	6	6	16	3	10	6	19	1	71	0	0	0	0	0	0	1	1	2
MINNESOTA—																			
Red Wing	4	10	20	0	4	11	38	4	0	91	4	3	1	0	5	8	17	1	39
Lac qui Parle	8	5	5	4	7	3	15	46	0	93	1	4	5	2	2	0	9	5	28
WEST INDIES—																			
Up Park Camp, Jamaica	20	11	1	25	1	0	1	3	0	62	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Mosul, Mesopotamia	1	1	0	0	0	1	0	1	0	4	----	----	----	----	----	----	----	----	----

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1855.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
BRITISH AMERICA—													
Horton	.....	.....	.....	.....	.....	.....	.....	.....	2.320	4.130	2.409	1.599	.....
Montreal	.....	.....	.....	.....	.....	.....	.....	.....	3.860	5.370	5.770	4.130	.....
Red River Settlement	.....	.....	.....	.....	.....	5.125	15.125	13.500	6.000	.....	.....	.....	.....
St. Martin	3.203	1.500	2.091	3.712	1.756	8.417	2.351	4.366	3 471	8 891	4.658	7.242	51.661
Toronto	? 2.855	? 3.950	? 3.295	? 2.190	? 2.655	4.070	3.245	1.455	5.585	? 2.565	? 4.890	4.795	41.550
MAINE—													
Fryeburg (*a*)	?	?	?	?	0.562	5.775	3.500	3.750	?	9.187	6.333	?	.....
Gardiner	7.169	1.700	1.103	4.570	1.932	5.984	2 416	3.096	1.760	1.315	3.178	5.008	51.066
Perry	2.500	?	1.300	4.600	5.600	8.500	2.700	2.800	1.650	10.500	3.700	4.000	.....
South Thomaston	.....	.....	.....	.....	.....	*b*25.000	.....	.....	.....	.....	.....	.....	.....
Steuben (*a*)	?	*b*12.800	?	9.900	5.500	6.300	1.800	5.100	1.900	*b*17.000	6.600	?	.....
NEW HAMPSHIRE—													
Concord (*a*)	?	.....	?	5.250	1.000	4.230	4.750	3.250	0.250	11.000	4.250	?	.....
Great Falls (*a*)	4.345	6.320	?	5.475	1.130	4.470	.....	.....	.....	.....	.....	.....	.....
Londonderry	6.950	4.950	0.400	3.450	.....	2.800	.....	1.800	0.000	7.400	3.100	5.400	.....
VERMONT—													
Burlington	1.950	0.980	0.720	2.220	0.340	6.470	8.430	2.940	4.500	5.970	1.280	2.500	38.300
St. Johnsbury (*a*)	?	.....	?	1.000	0.120	10.250	3.920	.....	.....	.....	.....	.....	.....
MASSACHUSETTS—													
Amherst	5.061	2.702	1.078	3.845	1.492	5.191	6.102	2.553	0.547	10.078	4.123	5.409	48.181
Nantucket	4.504	3.040	3.838	8.492	5.875	4.772	2.162	1.509	1.210	4.130	3.106	6 299	48.937
New Bedford	4.200	2 330	1.730	3.770	3.230	1.630	4.260	1.260	0.550	4.145	4.290	5.050	36.445
Newburyport	5.343	3.795	1.070	5.280	1.385	2.418	2.568	3.135	0.460	6.860	4.300	5.595	42.209
North Attleboro'	5.740	4.084	0.900	3.700	2.910	3.685	5.274	2.025	0.605	5.955	4.480	5.580	44.938
Princeton	4.240	5.400	1.140	4.480	1.080	3.200	6.030	2.200	0.760	8.360	4.520	4.830	47.240
Richmond (*a*)	?	.....	?	8.725	8.417	.....	?22.187	10.000	3.000	19.375	?	?	.....
Southwick (*a*)	?	2.810	1.890	3.070	2.580	4.020	7.790	2.460	1.380	11.810	3.960	? 6.080	.....
Springfield	4.000	3.040	0.950	3.110	1.910	4.150	8.180	2.400	0.740	9.460	3.870	5.400	47.210
Westfield	5.210	2.870	1.340	2.950	2.070	4.700	5.380	2.950	0.370	10.270	4.160	6.120	48.390
Williamstown	2.520	1.430	0.210	5.640	2.850	5.480	6.750	3.557	1.915	12.931	4.592	6.629	54.504
Wood's Hole	.....	4.577	3.900	5 830	.....	....	.....	.....	.....	.....	.....	.....	.....
Worcester (*c*)	8.010	4.480	2.300	5.390	1.640	4.190	9.400	4.060	0.200	7.970	5.850	6.900	55.050
RHODE ISLAND—													
Providence	6.450	4.050	0.859	2.500	2.550	1.950	3.250	2.020	0.250	5.330	3.750	6.100	39.050
CONNECTICUT—													
Pomfret	5.790	4.100	0.870	2.610	1.990	3.220	4.570	2.040	0.220	7.190	3.930	6.150	42.680
Saybrook	5.000	.....	1.050	4.000	2.500	3.125	3.750	?	0.750	7.500	2.750	6.500	.....
NEW YORK—													
Blackwell's Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.597	.....	.....
Buffalo	.....	.....	.....	.....	.....	.....	.....	.....	3.130	1.835	1.941	1.588	.....
Canton (*a*)	?	?	?	2.500	?	?	?	?	?	?	?	?	.....
Gouverneur	2.580	0.100	1.650	0.850	0.400	6.600	3.050	1.300	1.750	4.900	0.150	2.330	25.660
Lodi	2.4375	1.500	0.625	4.000	2 9375	5.8125	5.000	2.500	3.1875	4.3125	2.000	2.6875	37.000
Lowville	4.812	2.375	3.875	2 375	1.312	6.125	*d*4.437	.....	.....	.....	.....	.....	.....
Madrid	.....	.....	.....	.....	?	4.050	3.700	3.220	.....	.....	.....	.....	.....
New York city	4.770	5.120	2.330	2.860	4.900	5.830	*d*5.460	2.900	1.510	7.370	3.000	6.880	52.930
Penn Yan	2.000	1.560	0.670	2.850	3.020	5.960	4.560	1.700	1.340	3.500	1.280	1.520	29.960
Sag Harbor	5.320	1.250	1.380	4.050	3.200	2.660	4.370	2.980	0.900	5.380	....	4.910	.....
Spencertown	1.586	0.886	0.200	2.740	3.565	6 863	8.109	2.330	1.630	7.416	2.879	4.267	42.471
NEW JERSEY—													
Bloomfield	3.193	3.366	1.642	1.420	2.649	4.450	3.930	1.956	1.064	3.826	2.512	2.875	32.883
Lambertville	2.893	2.950	1.966	1.670	3.050	7.490	4.972	1.715	5.320	4.630	2 580	5.938	45.174
Newark	4.030	3.466	1.875	2.470	2.365	4.525	4.470	4.160	2.250	5.260	2.890	6.500	44.261
PENNSYLVANIA—													
Bedford (*a*)	?	0.960	1.818	1.624	1.933	6.060	3.932	2.870	.....	1.065	6.720	.....	.....
Gettysburg	3.572	2.410	2.040	2.085	1.690	7.716	3.790	10.885	5.915	2.220	1.268	4.030	47.621
Harrisburg (*a*)	?	?	?	1.879	2.955	8.541	9.188	3.150	3.681	4.815	1.565	?	.....
Lima	2.410	2.360	1.660	2.300	4.300	9.320	4.060	2.480	3.920	5.350	2.010	6.410	46.580
Morrisville	2.600	1.800	1.800	2.500	3.400	8.800	5.000	2.500	2.300	4.900	2.700	4.800	43.100
Moss Grove	.....	3.300	1.700	2.950	3.000	7.300	3.650	5.700	3.600	3.100	4.800	3.750	.....
Norristown	2.600	3.100	1.850	1.970	4.370	7.550	7.580	1.310	5.230	4.940	2.180	5.430	48.140
Philadelphia	2.601	2.480	1.979	2.148	3.033	8.008	6.594	3.237	4.129	3.416	2.022	5.006	44.653
Pittsburg, [Oakland Station]	0.820	1.640	3.300	2.380	2.195	7.725	8.823	5.396	4.728	1.365	5.347	2.193	45.912
Pocopson	2.820	3.390	1.810	2.060	3.720	8 110	3.260	4.130	7.080	4.680	2.240	6.260	49.560
Pottsville	3.326	3.131	?	2.597	2.377	9.461	8.432	2.160	4.762	3.988	2.198	5.786	.....
Randolph	4.400	3.200	2.850	3.050	3.350	9.900	.....	.....	3.650	.....	.....	.....	.....
West Haverford	2.072	3.330	1.680	?	2.725	7.927	5.282	2.069	?	?	?	?	.....
MARYLAND—													
Chestertown	.....	.....	.....	.....	.....	4.100	3.030	9.440	.....	4.890	1.650	4.140	.....
Frederick	3.055	1.882	2.290	1.133	2.160	5.687	2.316	3.804	5.495	2.103	1.058	3.076	34.059
Sykesville (*a*)	3.500	? 2.150	4.950	1.550	3.000	7.450	4.200	4.000	10.500	4.500	1.750	? 6.250	? 53.800
DISTRICT OF COLUMBIA—													
Washington	.....	.....	.....	?	1.421	5.573	4.056	2.903	2.913	3.535	1.115	3.200	.....
VIRGINIA—													
Alexandria	2.246	1.770	1.526	1 902	1.412	6.333	4.272	3.896	2.671	2.990	0.820	3.480	33.318
Ashland	1.304	.....	2.859	1.489	1.671	5.300	3.669	5.183	3.614	1.319	2.068	3.567	.....
Crichton's Store	2.360	.....	5.650	0.350	1.750	5.400	4.700	7.200	0.550	3.100	3.000	4.900	.....
Lewisburg	.....	.....	.....	.....	.....	.....	3.360	.....	.....	.....	.....	.....	.....
Smithfield (*a*)	3.067	? 1.120	? 6.055	2.274	1.382	4.218	5.385	5.026	2.885	5.098	0.933	4.290	? 41.733
NORTH CAROLINA—													
Thornbury	2.416	0.830	4.030	1.953	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH CAROLINA—													
Aiken	2.084	2.193	2.715	1.308	5.600	4.789	6.177	5.621	2.147	0.240	1.810	6.133	40.817
All Saints	1.090	1.790	3.470	0.540	0.970	7.110	3.600	1.910	1.280	1.150	1.330	6.730	30.970
Camden	1.320	1.060	4.400	0.850	5.220	7.490	2.740	7.290	5.220	*e* 0.720	1.640	4.650	42.600
Charleston	0.750	0.810	4.410	0.880	5.790	3.690	4.420	2.690	3.280	0.860	0.970	6.700	34.850

a Snow not reduced to water in all cases.
b Doubtful.
c Observations in September incomplete.
d Approximate.
e First twelve days.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1855.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
GEORGIA—													
La Grange	0.210	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Savannah	1.261	1.176	2.771	2.211	5.887	4.944	2.645	5.582	2.251	1.982	2.224	5.660	38.594
Whitemarsh Island	1.220	1.820	2.600	2.820	5.040	3.360	2.100	4.460	4.460	1.470	2.300	5.710	37.360
Sparta	1.020	1.980	2.260	1.650	4.030	4.970	11.740	11.300	0.930	1.220	2.090	8.330	51.520
FLORIDA—													
Cedar Keys	1.140	1.437	2.937	0.375	0.625	3.250	7.500	5.125	1.937	5.187	2.437	2.562	34.512
Key West	4.110	1.500	1.430	0.260	2.480	3.660	3.850	5.860	7.280	3.270	2.780	2.130	38.610
Knox Hill	2.9202	2.8315	1.7000	3.1689	2.9267	5.2327	8.4078	5.6059	2.3198	1.9607	7.6121	.....	.....
St. Augustine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.800	.....	.....
Warrington	0.187	1.250	1.562	0.750	0.844	3.437	11.125	10.562	2.187	3.500	6.062	8.500	49.966
ALABAMA—													
Auburn	0.250	0.990	1.850	2.280	1.720	1.890	.....	5.860	1.640	2.470	5.380	9.340	.....
Greene Springs	1.090	1.200	1.190	0.400	1.300	4.610	3.130	6.620	.....	1.640	7.110	.....	.....
Monroeville	0.250	1.625	.....	.....	.....	.....	6.000	6.625	5.687	?	6.250	.....	.....
Tuscaloosa	0.901	1.734	2.236	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MISSISSIPPI—													
Columbus	.....	.....	.....	.....	5.250	3.672	2.952	3.607	5.204	1.532	8.877	4.304	.....
Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.560	10.930	6.820	.....
Oxford	2.837	2.444	1.985	3.835	1.697	5.641	4.013	a 5.446	b 1.113	1.451	8.675	2.337	41.468
Port Gibson	.....	.....	.....	.....	.....	.....	.....	c 3.950	.....	.....	.....	.....	.....
LOUISIANA—													
New Orleans	0.850	1.720	0.900	1.800	2.090	5.900	3.877	4.160	5.110	2.055	5.230	5.275	38.967
TEXAS—													
New Wied	0.020	2.150	0.890	0.450	1.220	4.020	3.470	5.500	1.800	4.700	1.000	0.200	25.420
ARKANSAS—													
Camden	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.300	4.980	.....	.....
TENNESSEE—													
Friendship	.....	.....	1.9375	4.850	4.700	6.500	8.110	.....	.....	.....	.....	.....	.....
Glenwood	4.667	1.531	3.851	2.598	3.783	3.923	3.572	4.560	7.298	1.400	4.657	2.265	44.105
Knoxville	2.610	1.170	4.130	2.300	3.230	4.780	.....	.....	.....	.....	.....	.....	.....
Lebanon	.....	.....	2.980	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
KENTUCKY—													
Danville	3.217	0.860	5.501	1.349	.....	5.464	3.370	.....	5.761	.....	3.420	3.184	.....
Millersburg	1.910	0.500	5.100	1.910	2.380	4.840	.....	.....	.....	0.552	2.270	8.500	.....
Springdale	4.840	1.210	5.070	.....	3.750	8.100	2.550	4.440	3.650	1.850	5.160	3.180	.....
OHIO—													
Areola	5.375	.....	.....	.....	.....	.....	5.125	.....	.....	.....	.....	.....	.....
Berea	.....	.....	2.526	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati, [Hurtt]	4.470	1.590	.....	.....	.....	.....	.....	.....	.....	3.180	5.220	3.335	.....
Cincinnati, [Lea]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.280	.....
Cleveland	.....	.....	.....	.....	2.900	10.330	2.030	3.340	2.520	3.470	4.300	3.030	.....
Gallipolis	1.544	1.699	2.381	1.543	3.755	5.380	4.076	4.103	5.040	1.300	2.540	3.660	37.021
Germantown	4.192	1.437	3.554	2.285	2.537	6.925	5.190	5.043	4.645	1.289	6.260	3.648	47.005
Granville	2.770	1.900	5.500	2.550	3.220	7.840	7.670	3.150	6.640	1.700	6.900	5.040	54.880
Hillsborough	.....	.....	.....	1.150	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hiram	.....	.....	.....	.....	.....	.....	.....	.....	3.125	3.000	.....	.....	.....
Jackson, [Gilmor]	.....	.....	.....	1.340	2.968	4.100	4.310	6.510	5.890	1.030	2.952	.....	.....
Jackson, [Wood]	.....	.....	.....	1.340	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madison	.....	2.885	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marietta	1.708	1.090	2.080	1.805	4.085	.....	.....	.....	.....	.....	.....	.....	.....
Mount Vernon (d)	1.120	?	3.090	1.120	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newark	2.000	?	2.500	?	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Lisbon	1.900	1.000	2.100	1.100	3.000	.....	.....	.....	.....	.....	.....	.....	.....
Norwalk	2.640	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oberlin	2.450	1.360	1.440	4.930	2.050	10.650	3.590	6.720	4.520	3.550	4.310	2.490	48.060
Perrysburg	2.000	1.375	2.500	4.687	3.000	8.125	9.812	2.437	7.500	2.250	7.000	4.500	55.186
Savannah	.....	.....	.....	3.000	4.483	16.600	8.616	3.475	6.791	3.433	6.082	3.940	.....
Unionville	.....	.....	.....	3.344	6.875	6.750	.....	.....	3.594	7.781	6.750	4.765	.....
Urbana	.....	1.660	3.400	.....	6.720	10.780	6.170	1.230	8.760	3.180	.....	3.860	.....
Zanesville	3.324	2.710	2.571	2.005	.....	6.194	6.720	4.578	6.288	1.493	5.221	2.920	.....
MICHIGAN—													
Ann Arbor, [Winchell]	2.450	1.880	2.182	5.668	0.914	6.574	7.668	1.488	4.424	2.266	4.432	3.391	43.337
Ann Arbor, [Woodruff]	3.380	2.300	2.360	5.910	0.963	7.089	8.740	1.504	5.265	2.166	5.398	3.948	49.023
Battle Creek	3.240	1.420	1.350	8.350	1.080	5.400	6.460	0.690	7.270	1.870	4.180	1.630	42.940
Cooper (d)	?	?	?	?	3.125	17.125	12.500	6.687	14.125	8.000	.....	.....	.....
Detroit	4.535	1.550	4.009	7.390	2.056	11.657	15.010	1.962	5.698	4.391	9.213	3.720	71.191
Flint	2.845	1.463	1.740	2.490	2.549	7.601	3.963	0.850	5.760	2.545	5.574	3.171	40.551
Grand Rapids	6.800	0.940	2.310	3.540	0.940	6.720	7.240	4.690	5.280	4.190	4.380	? 5.030	52.060
Saugatuck	.....	.....	?	?	?	?	.....	?	4.025	4.580	3.507	3.512	.....
St. James (e)	1.250	.....	.....	0.750	0.500	?	?	0.875	1.875	1.375	?	.....	.....
INDIANA—													
New Harmony	4.660	0.750	4.400	5.020	3.540	5.190	7.010	4.440	5.680	1.320	3.650	2.450	48.070
ILLINOIS—													
Athens	9.370	0.850	2.560	1.600	4.830	3.400	5.140	4.400	2.300	2.530	2.590	3.950	43.520
Manchester	13.526	1.562	2.910	3.969	6.431	2.000	3.521	2.065	2.765	2.551	2.820	3.922	48.042
Upper Alton	4.827	0.060	2.500	0.924	3.947	3.081	3.009	1.944	2.818	3.200	3.030	3.050	32.390
MISSOURI—													
Hannibal (d)	?	0.562	2.000	0.937	7.000	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis	4.660	0.700	2.890	2.650	7.460	4.270	5.170	6.530	3.890	3.890	5.160	3.100	50.370
WISCONSIN—													
Beloit	.....	.....	.....	.....	1.745	4.607	3.090	1.380	2.310	2.800	1.605	1.950	.....
Cereseo	?	?	.....	2.700	4.950	.....	.....	.....	.....	.....	.....	.....	.....
Janesville	3.400	1.250	1.900	1.100	2.900	3.530	4.600	0.910	4.350	2.200	2.950	2.050	31.140
Madison	.....	.....	.....	.....	4.438	.....	.....	.....	.....	.....	.....	.....	.....
Milwaukee, [Winkler]	1.800	1.200	1.750	2.300	1.450	3.680	3.560	3.090	6.880	2.110	1.850	2.610	32.280
IOWA—													
Dubuque	1.600	1.130	1.300	0.640	2.020	4.380	3.070	1.910	6.060	2.500	2.710	1.810	29.130

a Since the 9th.
b From August 1st to September 9th.
c Since the 19th.
d Snow not reduced to water in all cases.
e Amount not always given; snow not reduced to water in all cases.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1855.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
Iowa—Continued.													
Fort Madison (*a*)	?	?	1.025	4.850	8.050	5.100	6.900	4.350	3.250	2.500	4.850	?	.....
Muscatine (*a*)	3.326	3.131	?	2.567	2.377	9.461	8.432	2.160	4.762	3.988	2.198	2.080	.....
Poultney (*b*)	2.237	0.860	2.016	1.050	2.133	3.265	2.875	4.705	4.845	2.014	2.618	? 2.370	30.988
Quasquceton (*a*)	1.005	?	?	?	1.294	2.740	2.480	.....	.....	1.259	?	.....	.....
Minnesota—													
Red Wing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.373	1.247	.....
Lac qui Parle	.....	.....	.....	.....	?	5.000	?	10.500	.....	.....	.....	?	.....
California—													
Sacramento	2.670	3.460	4.200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Francisco	.....	.....	4.310	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Indies—													
Up Park Camp	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.708	2.810	10.000	.....
Eastern Continent—													
Mosul, Mesopotamia	4.170	1.600	1.530	1.460	0.370	0.000	0.000	0.000	0.000	0.800	0.650	0.760	11.340

a Snow not reduced to water in all cases. *b* Amount not always given.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
Maine	Carmel	29.59	Jan. 6	7 a. m.	30.65	April 1	9 p. m.	28.39	2.26
	Steuben	30.00	Jan. 5	9 p. m.	30.89	Dec. 26	7 a. m.	29.19	1.70
New Hampshire	Concord	29.61	Jan. 6	7 a. m.	30.60	Dec. 9	9 p. m.	28.53	2.07
	Manchester	29.94	Jan. 6	7 a. m.	30.91	Dec. 9	9 p. m	28.91	2.00
Vermont	Burlington	29.62	Jan. 5	9 p. m.	30.49	Dec. 9	9 p. m.	28.56	1.93
Massachusetts	Amherst	29.74	Jan. 6	7 a. m.	30.66	Dec. 9	9 p. m.	28.64	2.02
	Nantucket	29.98	Jan. 6	7 a. m.	30.86	Dec. 9	9 p. m.	29.11	1.75
	New Bedford	29.90	Jan. 6	7 a. m.	30.75	April 1	2 p. m.	28.87	1.88
	Newburyport	29.96	Jan. 6	8 a. m.	31.07	Dec. 9	9 p. m.	28.92	2.15
	North Attleboro'	29.88	Jan. 6	7 a. m.	30.71	Dec. 9	9 p. m.	28.76	1.95
	Princeton	28.81	Jan. 6	7 a. m.	29.68	Dec. 9	9 p. m.	27.76	1.92
	Southwick	29.93	Jan. 6	7 a. m.	30.83	Jan. 26	9 p. m.	29.06	1.77
	Williamstown (*a*)	29.25	Jan. 6	7 a. m.	30.09	Dec. 9	9 p. m.	28.20	1.89
	Worcester	29.45	Dec. 13	7 a. m.	30.24	Nov. 29	7 a. m.	28.44	1.80
Rhode Island	Providence	29.96	Jan. 6	Sunrise.	30.65	Dec. 9	10 p. m.	28.77	1.88
Connecticut	Pomfret	28.97	Jan. 6	7 a. m.	29.70	Dec. 9	9 p. m.	27.95	1.75
New York	Canton	29.40	Jan. 8	2 p. m.	30.27	Dec. 10	7 a. m.	28.33	1.94
	Penn Yan (*a*)	29 23	Jan. 8	Sunrise.	30.00	Dec. 9	Sunset.	28.18	1.82
	Sag Harbor (*b*)	29.68	Jan. 6	2 p. m.	30.58	Dec. 9	9 p. m	28.68	1.90
	Spencertown	29.28	Jan. 8	2 p. m.	30.08	Jan. 26	9 p. m.	28.25	1.83
New Jersey	Bloomfield	29.84	Jan. 8	2 p. m.	30.65	Dec. 9	9 p. m.	28.89	1.76
	Burlington (*c*)	29.99	Jan. 8	2 p. m.	30.78	Dec. 9	9 p. m.	29.10	1.68
	Lambertville	30.02	Jan. 8	-------	30.78	Dec. 9	-------	29.12	1.66
	Newark (*d*)	29.99	Jan. 6	7 a. m.	30.79	Jan. 23	7 a. m.	29.23	1.56
Pennsylvania	Gettysburg	29.44	Jan. 8	7 a. m.	30.20	Dec. 9	2 p. m.	28.47	1.73
	Harrisburg	29.75	Jan. 6	7 a. m.	30.40	Dec. 9	2 p. m.	28.83	1.57
	Lima	29.85	Jan. 8	7 a. m.	30.62	Jan. 26	2 p. m.	29.04	1.58
	Morrisville	30.11	Jan. 8	2 p. m.	30.90	Dec. 9	9 p. m.	29.20	1.70
	Norristown	29.92	Jan. 8	7 a. m.	30.71	Nov. 28	9 p. m.	29.12	1.59
	Philadelphia	29.87	Jan. 8	2 p. m.	30.61	Dec. 9	9 p. m.	28.98	1.63
	Pittsburg, [O. S.]	28.79	Jan. 8	7 a. m.	29.79	Dec. 9	2 p. m.	27.94	1.85
	Pittsburg, [M. H.] (*e*)	28.96	Jan. 8	9 p. m.	29.80	Jan. 21	9 p. m.	28.05	1.75
						Dec. 9	3 p. m.		
	Pottsville	29.23	Jan. 8	7 a. m.	30.05	Jan. 22	7 a. m.	28.12	1.93
Maryland	Frederick	29.60	Jan. 8	7 a. m.	30.46	Dec. 9	2 p. m.	28.61	1.85
Dist. of Columbia	Washington	30.03	Jan. 8	7 a. m.	30.81	Dec. 9	2 p. m.	29.07	1.74
Virginia	Alexandria	30.02	Jan. 8	2 p. m.	30.80	Dec. 9	2 p. m.	29.15	1.65
North Carolina	Chapel Hill	29.45	Jan. 8	2 p. m	30.07	Jan. 21	9 p. m.	28.88	1.19
South Carolina	All Saints	30.01	Dec. 27	2 p. m.	30.57	March 31	9 p. m.	29.23	1.34
	Camden	29.90	Jan. 8	9 p. m.	30.49	Jan. 28	2 p. m.	29.23	1.26
	Charleston	29.99	Jan.	-------	30.71	Oct.	-------	29.32	1.39
Georgia	Savannah	30.07	Jan. 8	9 p. m.	30.61	March 31	2 p. m.	29.40	1.21
	Sparta	29.35	Jan. 8	9 p. m.	29.92	Jan. 28	2 p. m.	28.90	1.02
	The Rock (*a*)	29.51	April	-------	30.15	Jan	-------	29.10	1.05
Florida	Cedar Keys	29.91	Jan 9	7 a. m.	30.30	Jan. 28	2 p. m.	29.52	0.78
			Dec. 12						
	Jacksonville	30.12	Jan. 8	9 p. m.	30.60	March 12	9 p. m.	29.45	1.15
	Key West	29.73	Jan. 7	2 p. m.	30.05	March 31	7 a. m.	29.42	0.63
	Knox Hill	29.84	Mar. 1	7 a. m.	30.24	Jan. 28	2 p. m.	29.31	0.93
	Warrington (*a*)	30.03	Mar. 1	7 a. m	30.48	Jan. 28	7 a. m.	29.57	0.91
			Dec. 12	2 p. m.					
Mississippi	Oxford	29.56	Dec. 26	2 p. m.	30.41	Jan. 21	7 a. m.	29.04	1.37
Louisiana	New Orleans	30.22	Jan. 8	9 p. m.	30.86	Jan. 21	7 a. m.	29.85	1.01
Texas	New Wied (*c*)	28.82	Jan. 3	7 a. m.	29.60	Jan. 22	7 a. m.	28.38	1.22
Tennessee	Glenwood	29.57	Jan. 7	9 p. m.	30.23	Jan. 21	7 a. m.	28.77	1.46
Ohio	Germantown	29.23	Jan. 8	7 a. m.	29.97	Jan. 21	2 p. m.	28.25	1.72
	Granville	28.97	Jan. 8	7 a. m.	29.72	Jan. 21	2 p. m	28.05	1.67
	Hillsborough	28.88	Jan. 8	7 a. m.	29.57	Dec. 9	7 a. m.	27.91	1.66
	Oberlin	29.10	Jan. 8	7 a. m.	29.89	Dec. 9	7 a. m.	28.02	1.87

a For hours of observation see monthly tables.
b Year complete, except November.
c Not corrected for temperature.
d Observations taken at 7 a. m. and 6 p. m., and not corrected for temperature.
e Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches*	*Inches.*
Ohio	Perrysburg (*a*)	29.36	Jan. 8	7 a. m.	30.16	Dec. 9	1 p. m.	28.34	1.82
Michigan	Ann Arbor, [Winchell]	29.04	Jan. 6	7 a. m	29.81	Dec. 9	2 p. m	27.96	1.85
	Detroit	29.50	Jan. 8	7 a. m.	30.30	Dec. 9	2 p. m.	28.41	1.89
Indiana	Milton	29.05	Jan. 7	9 p. m	29.67	Jan. 21	2 p. m.	28.07	1.60
Illinois	Upper Alton	29.46	Jan. 7	9 p. m	30.14	March 12	9 p. m.	28.33	1.81
Wisconsin	Beloit	29.18	Jan. 7	9 p. m.	29.81	Dec. 9	7 a. m	28.29	1.52
	Milwaukee, [Winkler]	29.28	Jan. 7	9 p. m	29.97	Dec. 9	7 a. m	28.25	1.72
Iowa	Dubuque	29.30	Dec. 27	7 a. m.	29.94	Dec. 8	9 p. m	28.25	1.69
	Muscatine	29.48	Dec. 24	7 a. m	30.04	Dec. 8	9 p. m	28.56	1.48

a For hours of observation see monthly tables.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m	2 p. m	9 p. m	Mean	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	M'n temp		
BRITISH AMERICA—	°	°	°	°		°		°		°		°	°	
St. Martin, Canada ...	36.29	50.04	39.78	42.04	June 30	94	June 30	81.76	Feb. 6	—34	Feb. 6	—25.23	128	4.61
MAINE—														
Carmel	37 06	51 31	37.61	42 00	July 1	96	July 2	83.00	Feb. 7	—24	Feb. 7	—12.67	120	5.16
Perry	34 76	46.89	39.31	40.18	July 19	82	July 19	71 33	Feb. 7	—15	Feb. 6	— 8.00	97	5.40?
Steuben	39.62	46.98	40.85	42.48	June 29	87	June 29	77.00	Feb. 7	—19	Feb. 6	— 9.33	106	6.18
NEW HAMPSHIRE—														
Concord.....	40.87	52.38	43.91	45.69	July 1	a 93	July 1	84.33	Feb. 7	—24	Feb. 6	—11 33	117	4 28
Exeter	39 20	51 26	41.48	43.18	July 17	90	July 17	79.67	Feb. 7	—20	Feb. 6	—11.33	110	4.61
Manchester...	40 45	54.78	46.18	47.14	July 6	a 96	July 1	87.00	Feb. 7	—22	Feb. 6	—15.33	118	5.60
VERMONT—														
Brandon..	40 57	50 70	42.55	41 61	June 30	90	June 30	83.16	Feb. 7	—22	Feb. 6	—17.83	112	5.27
Burlington	41.49	52.10	43.47	45.69	July 17	a 92	June 30	84.60	Feb. 6	—24	Feb. 6	—19.00	116	3.19
MASSACHUSETTS—														
Amherst.....	41 93	52 80	44.73	46.49	June 30	b 92	June 30	84.67	Feb. 7	— 16	Feb. 6	— 8.00	108	5.13
Mendon	43 34	52 58	45.45	47.12	June 30	b 92	July 1	87.00	Feb. 7	—17	Feb. 6	—10.33	109	5.14
Nantucket	49.65	53 93	48 41	50.66	July 18	86	July 18	78.33	Feb. 6	4	Feb. 6	8.33	82	4.79
Newburyport.....	43.44	51 36	45.11	46.64	July 19	94	July 17	82.90	Feb. 7	—13	Feb 6	— 6.00	107	6.83
New Bedford.....	45 67	53 97	46.12	47 18	July 1	89	June 29	80.67	Feb. 6	—14	Feb. 6	— 7.33	103	6.20
North Attleboro'.....	40.65	53.79	43.63	46 02	July 19	93	July 19	84.33	Feb 7	—15	Feb. 6	— 9.00	108	4 77
Princeton	40.54	48.97	42.20	43.90	July 2	91	July 1	79.00	Feb. 7	—17	Feb. 7	— 5.57	108	5.67
Springfield (c)	42.89	55.36	46.45	48.23	July 19	93	June 30	86.33	Feb. 7	—19	Feb. 6	— 6.00	112	4.60
Williamstown (c). ...	40.21	50.23	43.44	44.63	June 30	87	June 30	81.50	Feb. 7	—18	Feb. 6	—14.17	105	6.17
Worcester.....	42.80	52.71	44.82	46.78	July 1	91½	June 30	85.33	Feb. 7	—16½	Feb. 6	—10 33	108	4.36
RHODE ISLAND—														
Providence	43.78	55.28	45.46	48.17	July 19	a 95	July 19	84 67	Feb. 7	—15	Feb. 6	— 8.00	115	5.06
CONNECTICUT—														
Pomfret	42.59	51.89	43.87	46.12	July 19	a 88	July 19	82.00	Feb. 7	—16	Feb. 6	— 9.00	104	5 15
NEW YORK—														
Angelica	39.97	51.48	42.21	44.55	June 30	93	July 19	81.33	Feb. 6	—28	Feb. 6	—18.67	121	4.97
Baldwinsville	41.28	49.55	41.67	45.17	June 30	89	June 30	81.00	Feb. 6	—22	Feb. 6	—16.67	111	5.95
Beverly	45.10	53.30	47.60	48.67	June 30	89	June 30	83.00	Feb. 7	—12	Feb. 6	— 4.67	101	5.42
Canton	39.89	51.26	42.70	44 62	Aug. 2	93	June 30	81.67	Feb. 7	—40	Feb. 6	—27.00	133	5.90
Gouverneur	41 09	51 76	44 27	45.71	July 1	d 90	July 1	83.30	Feb. 6	—44 e	Feb. 5	—26.00	134	6.20
Lodi	42 46	51.26	43.23	45.65	July 19	90	July 19	a 83 00	Feb. 6	—22	Feb 6	—18.33	112	6.42
Penn Yan (c)	39.90	52 63	45.67	46.07	June 30	f 90	July 19	81.33	Feb. 7	—21	Feb. 6	—14.00	111	6.63
Sag Harbor.....	47.37	59.40	48.35	51.71	July 19	96	July 19	a 85.00	Feb. 6	— 6	Feb. 6	— 0.34	102	4.92
Smithville	39.85	50.76	42.33	41.31	July 1	94	July 17	79 33	Feb. 6	—38	Feb. 6	—26.67	122	5.63
Spencertown	41.92	50.94	43 22	45.36	June 30	95	July 1	84.67	Feb. 7	—19	Feb. 6	—13.33	114	4.79
Wampsville	42 32	54 43	43.53	46.76	June 29	94	July 29	84.00	Feb. 6	—27	Feb. 6	—21.00	121	6.36
NEW JERSEY—														
Bloomfield	40.57	50.70	42.55	44 61	June 30	97	July 19	86.50	Feb. 6	— 9	Feb. 6	— 2.67	106	4.62
Burlington	47 90	58.61	51.05	52.52	June 29	93	July 19	87.33	Feb. 7	— 2	Feb. 7	3.67	95	6 51
Lambertville	46.26	59.90	47.53	51.23	June 29	99½	.. ..	.....	Feb. 7	— 5	.....	.....	104½	.....
Newark (c).....	.....	.....	.....	50.68	June 29	96½	July 19	85.63	Feb. 7	— 8	Feb. 7	2.12	104½	.....
PENNSYLVANIA—														
Easton (c)	44.89	60.25	47.90	51.01	June 30	102	June 30	86.67	Feb. 6	—13	Feb. 6	— 5.00	115	5.09
Gettysburg	46.32	57.82	49.43	51.19	July 19	94	June 29	86.00	Feb. 6	— 5	Feb. 7	1.33	99	5 21
Harrisburg.....	49 24	58.55	53.50	53.76	June 30	97	June 29	a 89.33	Feb. 7	— 1	Feb. 7	1.33	98	5.44
Lima	47 38	57.40	48.95	51.24	July 19	93	June 30	86.20	Feb. 7	— 1	Feb. 6	3.63	94	5.54
Morrisville	45.77	57.64	48.18	50.53	July 19	94	July 19	83.67	Feb. 7	— 4	Feb. 6	3.33	98	4.00
Norristown	46.57	56.60	48.40	50.52	June 29	92	July 19	83 67	Feb. 7	— 2	Feb. 6	3.23	94	5.32
Paradise.....	....	.....	.....	48.67	.....	.....	... .	.....	.....	.....	.....	.....	...	.....
Philadelphia	50.42	58.68	53.80	54.30	July 19	95	June 30	88 67	Feb. 7	— 1	Feb. 6	4.50	96	6.02
Pittsburg, [M. H.] (c)..	48.02	55.60	52.35	51.99	June 30	b 90	June 29	84 00	Feb. 27	10 k	Feb. 27	13 00 k	80	.....
Pittsburg, [O. S.].....	45.45	55.30	47.76	49 52	June 29	h 91	June 30	82.67	Feb. 6	— 9	Feb. 6	3.33	100	.. ...
Poe pson	49 54	59 35	50.66	52.98	July 19	98	June 30	87.00	Feb. 7	— 2	Feb. 7	4.33	100	5.18
Pottsville	44 65	55.93	45.26	48.61	July 17	98	July 17	88.00	Feb. 7	— 6	Feb. 6	— 4.00	104	5.84
West Haverford.....	46.76	58.96	.... ..	51.91	July 30	95	June 30	87.00	Feb. 7	— 4	Feb. 7	— 2.00	99	5.74
MARYLAND—														
Bladensburg (i).....	46.35	62.19	50.43	52.99	July 19	102	July 19	86.17	Feb. 11	3	Feb. 7	7.50	99	4.92?
Frederick	48.81	59.55	51.53	53.30	June 30	95	June 29	89.00	Feb. 7	4½	Feb. 7	5.43	90½	5 50
Sykesville	47.86	59.87	49.75	52.49	June 29	j 91	June 29	87.67	Feb. 7	— 2	Feb. 7	2.33	93	5.05
DIST. OF COLUMBIA—														
Washington	50.06	61.08	53.39	54.84	July 19	a 95	June 29	86.67	Feb. 7	4	Feb. 7	6.50	99	.....
VIRGINIA—														
Alexandria	49.41	60.33	52.52	54.09	July 19	95	June 29	87 33	Feb. 7	6	Feb. 10	14.00	89	5.08
Lewisburg.....	48.23	62.45	50.98	53.89	May 23	k 92	July 19	79.00	Feb. 27	12	Feb. 27	17.00	80	5.78
Smithfield (l)	.....	.....	.....	57.42	July 20	96	June 29	85.75	Feb. 10	10	Feb. 10	16.50	86	.....
NORTH CAROLINA—														
Chapel Hill	53.01	68.61	57.65	59.77	April 19	102	June 30	b 86.67	Feb. 27	18 m	Feb. 28	25.00	84	4 65
SOUTH CAROLINA—														
All Saints	59.60	69.32	62.58	63.83	Aug. 9	92	Aug. 11	85.33	Mar. 2	25	Feb. 27	30.33	67	3.88
Camden	56.24	71.53	60.60	62.79	April 19	97	April 19	86.67	Feb. 1	16	Jan. 27	29.67 n	81	5.36
Charleston	61.17	71.96	64.80	65.98	August.	94	.....	.....	.....	28	.....	....	66	.....
GEORGIA—														
Savannah	60.47	73.78	64.46	66.24	April 19	99½	Aug. 11	87.17	Jan. 27	27	Feb. 27	32.73	72½	4.44
Sparta	54.25	72.55	60.34	62.38	May 23	100	May 23	86.33	Feb. 27	18	Feb. 27	26.00	82	4.76
The Rock (c)	.....	.....	.... .	60.53	... ...	.....	Aug. 15	81.00	.....	.....	Jan. 30	23.00	.....	.....
Whitemarsh Island ...	61.20	71.49	63.92	65.54	April 20	93	Aug. 11	85.00	Jan. 27	25	Feb. 27	32.33	68	3.90
FLORIDA—														
Cedar Keys.....	66.60	73.21	69.42	69.74	Aug. 12	o 91	Aug. 9	85.00	Feb. 27	32	Feb. 28	40.00	69	3.66

a Same temperature June 30th.
b Same temperature July 19th.
c For hours of observation see monthly tables.
d Same temperature August 3d.
e Same temperature February 6th.
f Same temperature July 18th and 19th.
g Same temperature June 29th and 30th.
h Same temperature December 27th.
i Year complete except October.
j Same temperature July 20th.
k Same temperature April 19th.
l Computed from daily extremes.
m Same temperature February 28th.
n Same temperature January 30th and 31st.
o Same temperature July 16th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
FLORIDA—Continued.														
Jacksonville	65.66	75.46	66.59	69.24	May 23	101	May 23	91.00	Feb. 1	30	Jan. 31	37.00	71	3.57
Key West	72.84	79.02	.....	75.93	June 8	93	June 8	86.50	Mar. 2	48	Jan. 23	52.00	45	4.90
Knox Hill (*a*)	62.49	75.25	65.30	67.68	May 24	98	Aug. 15	86.00	Feb. 27	25	Feb. 26	32.33	73	5.29
Warrington (*b*)	64.03	72.08	70.16	68.76	July 10	88	Aug. 27	85.00	Dec. 26	23	Dec. 26	33.33	85	3.85
MISSISSIPPI—														
Columbus	.....	.....	.....	63.96	May	94	.....	.....	.... ..		February	14½	.....	.....	80	.....
Oxford	57.27	68.33	59.43	61.68	Aug. 13	94	May 22	86.33	Dec. 26	8	Dec. 25	14.67	86	3.98
TEXAS—														
Austin	57.29	76.18	64.04	65.84	Mar. 8	98	Aug. 5	87.33	Dec. 26	7	Dec. 25	17.33	91	5.26
New Wied	62.20	79.50	64.84	68.85	May 19	103	Aug. 7	88.67	Dec. 26	13	Dec. 24	23.67	90	5.66
TENNESSEE—														
Glenwood	52.16	64.28	55.84	57.43	May 22	92½	May 22	82.80	Dec. 26	3	Dec. 26	12.87	89½	6.21
OHIO—														
Cincinnati (*b*)	.....	.....	.....	54.12	July 20	95	July 20	86.50	Dec. 26	2	Dec. 26	7.00	93	.....
Germantown	46.34	57.88	48.19	50.80	July 19	93½	July 19	84.58	Dec. 26	— 7	Dec. 26	— 2.20	100½	5.99
Granville	46.65	57.75	49.28	51.23	July 15	*c* 91	July 18	87.67	Dec. 26	1	Feb. 26	3.67	90	5.47
Hillsborough	46.39	57.47	49.43	51.10	July 18	*d* 90	July 18	81.00	Dec. 26	— 3	Feb. 26	2.50	93	4.71
Oberlin	46.01	56.38	46.47	49.62	July 17	94	June 29	84.67	Feb. 24	—10	Feb. 6	2.33	104	4.57
Perrysburg (*b*)	48.72	57.96	49.57	52.08	July 16	94	June 29	88.00	Feb. 6	— 7	Feb. 6	3.67	101	.....
MICHIGAN—														
Ann Arbor, [Winchell].	42.14	52.32	41.06	46.17	June 28	90	July 16	81.40	Feb. 6	—14	Feb. 6	— 6.07	105	.....
Ann Arbor, [Woodruff]	40.99	53.34	45.20	46.51	July 16	*e* 91	July 16	82.00	Feb. 24	—24	Feb. 6	— 5.67	115	5.51
Battle Creek	43.61	56.63	45.07	48.44	July 16	96	July 16	87.33	Feb. 6	— 9	Feb. 6	— 2.00	105	4.99
Cooper	46.67	55.15	44.58	48 80	May 22	92	June 29	82.67	Feb. 6	0 *f*	Feb. 6	7.03	92	4.64
Detroit	44.56	53.50	45.86	47.97	June 28	92	July 16	84.33	Feb. 6	—14	Feb. 6	— 7.00	106	6.09
Flint	41.02	54.79	43.07	46.29	June 29	93	.....	.....	Feb. 7	—31	.....	.....	124	.....
Grand Rapids	40.45	53.12	44 52	46 03	July 16	93	July 16	84.67	Feb. 6	— 8	Feb. 6	0.67	101	4.85
St. James	40.35	48.98	39.71	43.01	June 30	90	June 30	82.33	Feb. 5	—16	Feb. 5	— 9.83	106	5.78
INDIANA—														
Milton	47.53	56.84	49.27	43.56	July 18	94	July 18	84.00	Dec. 24	—14	Dec. 24	— 8.67	108	4.41
New Harmony	50.80	62.51	53.56	55.62	July 19	95	July 19	87.67	Dec. 26	— 2	Dec. 26	8.00	97	5.39
ILLINOIS—														
Athens	47.01	60.90	49.94	52.62	July 19	101	July 18	89.33	Dec. 26	—20	Dec. 25	— 7.00	121	4.77
Augusta	44.22	58.67	48.91	50.60	July 19	95	Aug. 3	85.33	Dec. 30	—16	Dec. 26	— 6.00	111	4.39
Manchester	46.16	59.23	49 04	51.48	July 18	96	June 28	85.83	Dec. 26	—17	Dec. 26	—11.00	113	4.98
Ottawa	44.15	56.84	45.83	48 94	May 22	96	June 29	88.33	Dec. 30	—10	Dec. 24	— 3.00	106	4.02
Upper Alton	47.54	60.11	51.10	52.92	July 19	93	July 18	83.00	Dec. 30	— 8	Dec. 24	0.33	101	3.25
WISCONSIN—														
Beloit	40.27	54.24	43.16	45.89	July 18	98	July 18	87.00	Dec. 24	—15	Dec. 24	— 9.33	113	3.08
Milwaukee, [Winkler]	40.08	50 21	40.40	43.56	July 18	94	July 18	84.00	Dec. 24	—14	Dec. 24	— 8.67	108	4.32
Platteville	41.73	56.78	45.94	48.15	May 22	98	July 18	88.67	Dec. 24	—22	Dec. 23	—14.67	120	.....
IOWA—														
Dubuque	43.27	54.69	46.66	48.21	May 22	99	July 17	*g* 86.33	Dec. 23	—13 *h*	Jan. 13	— 2.67	112	4.77
Fort Madison (*b*)	44.48	58.21	50.61	51.10	July 19	102	July 18	91.33	Dec. 30	—18	Dec. 23	— 7.00	84	4.79
Muscatine	42.33	56.47	43.85	47.55	Aug. 3	96	July 17	84.67	Jan. 23	—23	Dec. 23	— 9.00	119	4.00
Pella	39.83	56.36	42 95	46.04	July 18	*g* 98	July 17	89.00	Dec. 29	—16	Dec. 24	—11.33	114	.....
Poultney	40.09	54.80	41.47	45.45	July 12	100	July 16	85.67	Dec. 30	—18	Feb. 25	— 7.33	118	5.66
MEXICO—														
Mirador (*i*)	.....	.....	.....	66.04	.....	.....	May.....	75.87	.....	.....	January	49.23	.....	.....

a Year complete except December.
b For hours of observation see monthly tables.
c Same temperature June 28th and 29th.
d Same temperature July 19th.
e Same temperature June 28th.
f Same temperature February 7th.
g Same temperature August 3d.
h Same temperature December 24th.
i Hours of observation not given.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a. m.	2 p. m.	9 p. m.	7 a.m.	2 p.m	9 p.m.
BRITISH AMERICA—	*Inches*	*Inches*	*Inches*		*Inches.*		*Inches*						
St. Martin	.240	.319	.263	June 30	1.074	Feb. 7	.010	.866	.730	.837	22	28	26
St Martin	.252	.336	.275	June 29	.940	Feb. 7	.003	.871	.744	.857	29	42	59
VERMONT—													
Burlington	.248	.288	.252	July 17	.956	Feb. 4	.000*a*	.711	.572	.682	0	0	0
MASSACHUSETTS—													
Amherst	.301	.322	.306	July 18	.944	Feb. 7	.020	.904	.690	.858	50	22	39
Nantucket	.301	.295	.308	July 5	.958	Feb. 11	.000*b*	.729	.606	.800	0	0	20
New Bedford	.313	.347	.325	July 19	.904	Feb. 6?	.024?	.859	.715	.872	50	26	0
Newburyport	.267	.284	.282	Aug. 17	.774	Feb. 7	.000*c*	.757	.596	.760	0	4	4
North Attleboro'	.267	.274	.274	July 17	.886	Feb. 15	.000	.751	.553	.772	0	2	17
Princeton	.248	.254	.246	July 18	.817	Feb. 24	.000*d*	.775	.630	.737	0	9	0
Westfield	.258	.283	.283	Aug. 1	.907	Feb. 11	.000	.788	.592	.776	0	7	4
CONNECTICUT—													
Pomfret	.302	.359	.309	July 17	1.038	Feb. 26	.045	.897	.767	.882	45	41	48
NEW YORK—													
New York city	.303	.324	.313	July 26	.881	Dec. 26	.005	.728	.639	.718	15	22	9
Penn Yan	------	.285	------	----------	------	----------	------	------	.642	------	----	14	----
NEW JERSEY—													
Bloomfield	.307	.347	.331	July 25	.915	Feb. 6	.005	.797	.620	.805	12	17	17
PENNSYLVANIA—													
Lima	.317	.332	.327	July 24	.961	Feb. 3	.029	.817	.611	.812	31	10	34
Norristown	.306	.338	.317	July 2	1.074	Feb. 6	.000*e*	.773	.627	.733	0	2	0
Philadelphia	.339	.354	.361	June 30	1.059	Feb. 6	.013	.767	.596	.719	41	16	34
MARYLAND—													
Frederick	.331	.367	.354	Aug. 2	.958	Dec. 13	.000*f*	.791	.605	.764	23	0	0
DISTRICT OF COLUMBIA—													
Washington	.358	.370	.387	July 19	1.045	Feb. 27, 28	.039	.818	.590	.791	24	0	34
VIRGINIA—													
Alexandria	.381	.441	.403	----------	------	----------	------	.867	.725	.832	26	18	0
SOUTH CAROLINA—													
Aiken	.453	.467	.461	Aug. 14	.935	Jan. 17	.000*g*	.807	.552	.711	34	0	0
All Saints	.495	.534	.519	Sept. 17	1.114	Jan. 23	.045	.838	.659	.811	45	16	17
Camden	.432	.458	.453	Aug. 13	.950	Feb. 9	.048	.813	.542	.752	13	10	30
Charleston (*h*)	------	------	------	----------	------	----------	------	------	------	------	----	----	----
GEORGIA—													
Savannah	.504	.506	.519	Aug. 26	.989	March 2	.061	.795	.542	.754	37	11	24
FLORIDA—													
Jacksonville	.594	.711	.626	June 18	1.366	March 21	.000	.877	.766	.892	0	39	47
MISSISSIPPI—													
Oxford	.467	.513	.477	Sept. 21	1.336	Feb. 2	.019	.841	.669	.808	12	7	18
LOUISIANA—													
New Orleans	.560	.551	.583	June 15	1.165	Jan. 14	.026	.879	.633	.817	10	16	27
TEXAS—													
Austin	.459	.429	.485	----------	------	----------	------	.863	.466	.763	43	0	15
New Wied	.550	.709	.586	March 18	1.805	Jan. 16	.000*i*	.826	.641	.860	0	0	0
TENNESSEE—													
Glenwood	.394	.412	.418	July 30	1.266	Jan. 26	.043	.837	.575	.777	24	14	25
OHIO—													
Gallipolis	.373	.443	.412	Aug. 12	1.138	Feb. 24	.000	.822	.682	.791	43	0	42
Germantown	.338	.360	.347	July 25	.897	Dec. 26	.027	.860	.620	.839	26	18	35
Hillsborough	.353	.394	.361	July 22	.918	April 6	.016	.917	.712	.858	49	4	31
MICHIGAN—													
Ann Arbor, [Winchell]	.281	.308	.288	Oct. 10	1.210	Feb. 6	.023	.832	.665	.834	28	18	32

* The maxima, being generally 100, or complete saturation, are omitted in this table. For changes in hours of observation, &c., see table of the thermometer for this month.

a Same amount January 12 and 14, February 6, 7, 24, 25, 26, and 27, and December 13 and 15.
b Same amount February 17.
c Same amount December 27.
d Same amount January 1, 15, and 24.
e Same amount February 7.
f Same amount March 30.
g Same amount December 12.
h Mean force of vapor for the year, .551.
i Same amount December 25, 26, and 30.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a. m	2 p. m.	9 p m.	7 a.m.	2 p m.	9 p.m.
INDIANA—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches*						
New Harmony	.397	.440	.429	Aug. 13	1.135	Feb. 26	.054	.880	.656	.874	42	13	39
ILLINOIS—													
Manchester	.357	.466	.382	July 8	1.242	Dec. 26	.021	.902	.761	.901	6	34	43
MISSOURI—													
St. Louis	.349	.370	.372	Aug. 3	.989	Nov. 19	.000	.767	.556	.728	0	9	20
IOWA—													
Dubuque	.289	.309	.308	Aug. 15	1.163	Dec 24	.002	.778	.586	.737	27	11	11

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
St Martin	12	239	13	119	36	371	82	223	0	1095	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel	8	61	10	117	20	133	78	282	136	845	5	36	9	90	13	100	47	116	416
Fryeburg	88	94	47	40	41	234	116	167	2	829	9	8	4	9	9	96	143	161	439
Perry	65	117	23	118	66	276	113	317	0	1095	58	73	21	46	57	166	128	115	664
Steuben	24	267	18	68	10	107	48	214	32	1088	20	69	10	11	5	269	168	100	652
NEW HAMPSHIRE—																			
Concord	27	122	15	181	11	280	20	439	0	1095	----	----	----	----	----	----	----	----	----
Exeter	73	83	80	116	40	195	253	197	0	1037	59	71	60	83	24	137	199	89	722
Manchester	91	89	55	54	121	98	190	244	6	948	30	73	41	35	60	53	277	90	659
VERMONT—																			
Brandon	237	4	26	60	390	59	80	139	84	1079	40	3	0	3	50	56	115	183	450
Burlington	287	38	15	40	450	44	89	132	0	1095	2	2	0	0	7	11	25	21	68
MASSACHUSETTS—																			
Amherst	60	52	26	263	57	92	46	109	5	1010	6	25	6	12	33	65	60	163	370
Mendon	28	179	53	19	21	434	82	276	3	1095	34	168	57	19	25	437	90	265	1095
Nantucket	66	165	41	103	60	275	75	213	92	1090	----	----	----	----	----	----	----	----	----
New Bedford	69	145	20	114	40	331	60	284	12	1075	----	----	----	----	----	----	----	----	----
Newburyport	120	79	71	89	177	85	225	181	1	1028	----	----	----	----	----	----	----	----	----
North Attleboro'	190	86	40	47	240	141	159	192	0	1095	112	67	47	29	178	107	183	103	826
Princeton	47	150	103	53	30	147	366	199	6	1101	16	56	39	19	11	72	320	93	626
Southwick	29	146	18	34	94	72	36	89	56	574	6	35	3	21	20	117	47	54	303
Springfield	104	87	9	10	56	170	28	257	374	1095	56	66	4	7	37	126	38	199	533
Williamstown	95	10	67	110	128	101	154	192	135	992	27	14	21	71	42	67	80	65	387
Worcester	30	116	6	111	9	323	25	475	0	1095	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Pomfret	63	165	27	64	128	209	56	381	0	1093	32	126	23	42	92	177	71	211	774
NEW YORK—																			
Angelica	18	72	21	127	54	366	252	131	0	1041	2	15	1	20	19	215	287	100	659
Baldwinsville	56	34	94	71	36	149	252	331	1	1024	19	11	16	7	5	52	414	248	772
Beverly	72	164	3	140	93	331	20	191	32	1046	12	86	25	119	45	271	172	87	817
Canton	38	186	5	17	40	545	37	134	30	1032	18	118	3	7	28	466	27	85	752
Gouverneur	130	148	6	22	38	446	129	98	0	1017	53	98	3	7	21	340	90	80	692
Lodi	59	30	27	189	112	131	154	285	101	1088	25	6	8	11	46	68	181	153	498
New York city	38	190	45	141	27	132	217	301	0	1091	----	----	----	----	----	----	----	----	----
Penn Yan	63	132	21	9	249	257	281	83	0	1095	----	----	----	----	----	----	----	----	----
Sag Harbor	52	119	45	116	58	254	104	186	10	974	22	80	33	41	32	253	146	171	778
Smithville	60	148	58	49	219	282	223	52	6	1097	68	84	10	9	62	291	368	61	953
Spencertown	194	21	14	56	206	201	82	298	7	1079	104	17	6	31	71	145	173	248	795
Wampsville	4	17	94	105	194	84	529	64	1	1092	6	13	96	89	180	73	495	57	1009
NEW JERSEY—																			
Bloomfield	38	123	19	102	45	276	77	175	0	855	----	----	----	----	----	----	----	----	----
Burlington	91	173	21	20	47	154	278	73	229	1086	21	72	12	15	31	53	62	21	287
Lambertville	23	178	13	87	62	182	48	384	0	977	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Easton	56	59	25	134	43	46	150	320	229	1062	----	----	----	----	----	----	----	----	----
Gettysburg	113	119	14	22	98	277	163	220	62	1088	17	38	15	13	35	179	254	186	737
Lima	87	205	49	57	57	67	52	274	255	1103	37	29	18	27	31	108	217	196	663
Morrisville	64	134	25	29	69	253	169	180	172	1095	42	90	26	18	15	156	291	147	785
Norristown	4	64	100	73	34	170	355	164	0	964	1	19	104	34	9	107	387	53	714
Philadelphia	47	216	26	60	36	273	137	300	0	1095	4	14	0	5	10	79	94	48	254
Pittsburg, [M. H.]	22	3	222	54	163	222	370	45	359	1460	----	----	----	----	----	----	----	----	----
Pocopson	102	75	45	28	45	224	348	206	0	1073	9	3	4	5	3	12	47	28	111
Pottsville	93	43	122	77	58	104	116	409	68	1090	61	29	57	45	46	82	95	342	757
West Haverford	26	77	56	28	13	156	65	198	111	730	20	20	20	8	15	49	117	137	386
MARYLAND—																			
Bladensburg	18	55	71	12	19	79	41	119	0	414	----	----	----	----	----	----	----	----	----
Frederick	85	112	19	28	98	248	152	221	101	1064	35	19	10	14	47	103	373	88	689
Sykesville	23	58	17	54	41	153	583	166	0	1095	14	30	57	50	28	66	616	35	896
VIRGINIA—																			
Alexandria	177	135	39	84	222	120	54	257	0	1088	----	----	----	----	----	----	----	----	----
Crichton's Store	256	43	5	24	279	235	102	41	13	998	----	----	----	----	----	----	----	----	----
Lewisburg	----	----	----	----	----	----	----	----	----	------	18	1	10	0	46	28	305	23	431

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1855.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—																			
Chapel Hill	129	143	51	49	87	163	315	147	0	1084	21	40	15	12	56	293	94	49	580
SOUTH CAROLINA—																			
All Saints	133	112	78	121	165	261	143	77	2	1092	65	81	32	44	57	178	242	42	741
Camden	76	167	29	77	78	266	175	150	72	1090	30	61	22	35	21	206	175	103	653
Charleston	17	191	44	106	15	237	25	92	0	727	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	137	79	101	166	221	119	115	158	0	1096	4	0	3	11	8	30	62	14	132
Sparta	32	215	50	146	49	280	53	239	0	1064	8	47	19	41	16	164	75	88	458
The Rock	6	37	11	69	22	54	4	100	1	304	----	----	----	----	----	----	----	----	----
Whitemarsh Island	58	149	41	89	169	157	100	99	229	1091	24	68	22	66	36	109	95	87	507
FLORIDA—																			
Cedar Keys	116	230	117	98	72	121	151	75	56	1036	41	99	85	64	43	87	104	47	570
Jacksonville	68	306	37	123	54	292	30	152	15	1077	43	102	56	91	33	230	82	33	670
Key West	87	172	201	124	21	13	24	79	9	730	----	----	----	----	----	----	----	----	----
Knox Hill	55	131	145	95	60	159	135	93	2	875	11	49	85	84	57	154	113	36	589
Warrington	93	171	46	191	96	261	30	163	45	1096	40	77	10	173	33	262	47	235	887
MISSISSIPPI—																			
Oxford	58	87	73	172	89	201	157	146	8	1011	35	42	37	57	82	147	146	73	619
LOUISIANA—																			
New Orleans	134	186	115	204	158	80	80	83	31	1071	39	30	31	26	64	76	96	34	396
TEXAS—																			
Austin	200	109	24	271	185	121	29	140	16	1095	98	66	18	174	163	228	39	152	938
New Wied	245	45	92	118	177	140	61	49	167	1094	11	2	33	9	41	23	28	34	181
TENNESSEE—																			
Glenwood	82	86	31	95	168	149	71	104	279	1065	17	32	6	17	42	239	289	117	759
OHIO—																			
Germantown	46	120	13	83	21	410	49	292	2	1036	20	74	5	55	7	388	33	206	788
Granville	20	76	31	9	13	201	143	35	313	841	4	19	3	3	10	115	106	25	285
Harrisburg	57	23	100	160	95	18	186	396	0	1035	15	2	8	28	42	7	109	183	394
Hillsborough	15	127	3	96	25	315	11	135	4	731	----	----	----	----	----	----	----	----	----
Oberlin	87	83	30	61	142	233	152	146	116	1050	20	30	12	7	22	82	441	59	673
MICHIGAN—																			
Ann Arbor, [Woodruff]	78	109	59	123	81	257	82	147	134	1070	36	29	19	31	17	127	313	166	738
Ann Arbor, [Winchell]	76	70	97	98	95	176	163	147	167	1089	79	37	30	39	42	192	287	147	853
Battle Creek	59	84	101	81	138	213	189	126	91	1082	39	35	50	24	27	179	421	156	931
Cooper	13	10	186	14	22	17	448	20	266	996	11	10	224	20	14	11	312	16	618
Detroit	59	239	92	42	97	362	97	107	0	1095	----	----	----	----	----	----	----	----	----
Flint	161	52	21	59	213	205	136	145	0	992	----	----	----	----	----	----	----	----	----
Grand Rapids	26	163	103	54	28	217	147	52	275	1065	10	21	6	13	7	83	57	38	235
St. James	94	64	106	92	73	305	49	255	57	1095	50	13	22	12	26	220	93	134	570
INDIANA—																			
Milton	40	124	15	54	35	153	105	91	524	1141	1	7	2	1	9	52	39	18	129
New Harmony	101	17	66	95	86	149	127	91	0	732	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	30	127	24	241	71	174	48	255	0	970	13	68	4	44	25	111	187	222	674
Augusta	32	108	100	123	142	183	189	124	93	1094	16	41	19	34	49	63	101	40	363
Manchester	156	69	52	33	225	164	220	175	0	1094	80	9	13	7	85	149	169	109	621
Ottawa	79	181	57	69	129	198	112	147	27	999	22	26	6	3	13	85	61	84	300
Upper Alton	113	98	9	112	157	249	131	258	13	1140	----	----	----	----	----	----	----	----	----
MISSOURI—																			
St. Louis	64	92	100	267	98	148	180	147	0	1096	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Beloit	159	124	69	96	225	120	129	100	0	1022	30	16	16	20	53	40	47	21	243
Milwaukee, [Winkler]	53	232	116	157	39	174	153	172	1	1097	----	----	----	----	----	----	----	----	----
Platteville	86	80	127	182	126	108	219	167	0	1095	----	----	----	----	----	----	----	----	----
IOWA—																			
Dubuque	139	96	30	104	180	89	64	144	196	1042	30	36	11	21	23	83	98	144	446
Fort Madison	77	171	47	284	103	145	30	230	8	1095	34	33	28	21	27	134	275	86	638
Muscatine	38	139	44	263	51	267	72	221	0	1095	1	35	6	17	6	243	16	41	365
Pella	80	42	37	98	397	48	230	163	0	1095	----	----	----	----	----	----	----	----	----
Poultney	86	96	71	146	84	159	105	154	106	1007	23	13	13	17	26	47	96	55	290

No. 55.—WINDS—MEAN VELOCITY FOR THE YEAR 1855.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																		
St. Martin	5.80	4.72	3.55	3.97	4.00	4.25	7.39	6.79	5.10	...	.....	.....	.....	.....	.....	.....	.....	... ..
MAINE—																		
Carmel	11.62	11.54	6 00	7.50	4.00	8.35	8.62	13.71	8.84	6.40	11.28	6.22	7.49	3.06	8.98	8.62	15.05	10.23
Fryeburg	5.97	5.28	4.43	4.42	9.94	6.10	4.73	11.49	6.96	8 22	7.86	10.00	5 33	3.25	5.92	5.50	6.29	6.13
Perry	7.42	14.69	17.59	12.25	7.42	7.16	6.12	9.24	9.29	4.82	10.37	14.89	16.93	5.20	5.99	3.55	8.27	7.19
Steuben	16.68	8.77	11.10	11.16	11.33	6.48	6.19	9.22	7.93	4.87	5.71	9.17	4.33	2.80	5.19	2.87	4.13	4.47
NEW HAMPSHIRE—																		
Concord	6.15	6.07	3.00	4.18	7.82	3.86	4.58	7.87	5.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exeter	15.04	14.54	10.90	9.66	8.67	9.17	11.18	12.34	11.28	16.07	16.27	12.00	11.48	11.58	11.65	12.48	12.63	12.83
Manchester	3.46	3.11	2.95	3.89	2.74	4.08	3.02	6.97	4.17	3.83	3.34	3.88	5.23	5.17	3.81	2.89	4.75	3.70
VERMONT—																		
Brandon	3.05	2.00	2.08	5.55	3.18	3.62	3.37	3.27	3.06	3.82	5.33	0	8.67	4.04	3.11	2.23	2.18	2.72
Burlington	4.74	4.30	4.53	5.74	11.90	9.14	15.70	6.70	9.01	3.00	2.00	0	0	12.71	11.00	10.32	6.20	8.99
MASSACHUSETTS—																		
Amherst	6.58	8.21	4.16	7.20	5.02	8.71	9.50	9.48	8.13	30.40	32.05	22.67	38.27	39.57	33.85	23.93	29.47	30.08
Mendon	6 36	7.19	5.53	4.79	1.11	7.90	4.57	7.77	7.34	4.90	7.60	3.59	5.74	10.68	7.08	4.99	6.13	6.58
Nantucket	16.95	14.48	9.90	10.72	8.07	11.31	12.87	13.25	12.29	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Bedford	4.08	6.07	5.33	4.72	4.42	6.82	6.45	6 90	6.14	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newburyport	22.25	7.00	45 00	2.00	19.40	15.25	19.00	8.00	16.67	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Attleboro'	4.61	4.09	2.50	3.23	3.93	5.38	5.90	5.34	4.53	3.99	4.33	3.40	7 93	4.59	3.98	3.74	3.38	4.14
Princeton	4.66	4.12	2.59	2.75	3.97	4.69	3.35	5.40	3.96	5.81	4.46	3 28	3 78	4 00	5.58	2.89	4.54	3.78
Southwick	6.00	9 99	5.28	10.09	10.00	12.26	14.33	16.57	10 25	17.60	22.18	20.67	15.60	22.70	16.30	12.75	21.42	17 81
Springfield	6.81	5.21	4.00	3.20	4.23	5.23	6.11	6.80	3.91	5.32	5.00	5.50	2.86	4.84	4.84	4.53	5.78	5.22
Williamstown	4.85	7.67	15.85	9.31	9.57	9.90	11.35	8.57	8.35	34.74	29.42	34.70	30.55	31.34	11.86	11.26	15.68	21.34
Worcester	8.80	17.15	?	13.00	?	6.18	?	11.26	11.64	.....	.....	.....	.....	....	.....	.....	.....	.....
CONNECTICUT—																		
Pomfret	4.24	5.44	4.26	4.45	3.44	4.14	3.93	5.44	4.72	2.29	2.80	12.00	2.00	?	8.00	7.00	2.40	3.74
NEW YORK—																		
Angelica	13.00	4.06	8.00	5.76	6.13	7.69	7.57	5.01	6.85	7.00	6.00	12.00	15.26	10.32	11 10	10.99	9.03	10.71
Baldwinsville	7.57	5.62	3.06	5.55	7.36	7 05	5 32	9.17	6.82	11.22	13.36	11.00	13 14	8.80	6.39	3.37	10.67	6.53
Beverly	2.51	4 16	2.00	7.26	3.50	6.33	4.20	7.47	5 56	5.50	7.60	6.32	8.05	4 67	4.59	5.41	8.14	6 04
Canton	5.03	3.54	2.00	3.18	5.82	5.27	6.11	4.27	4 67	5.00	3.66	2 00	4.86	4.81	4.82	5 59	4.29	4 60
Gouverneur	3.71	4.61	4.67	3 91	8.39	7.71	6 20	6.24	6.02	2.19	2.29	2 67	2.29	2.76	2 45	2.73	2.84	2 50
Lodi	6.31	5.03	3.44	9.10	11 10	10.66	10.71	9.71	8.71	2.80	4.00	2.00	3.64	6.02	3.29	3.41	3.49	3.61
New York city	2.81	4.08	2 19	4.19	3.45	4.27	3.58	4.96	4.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sag Harbor	7.63	10.40	5.90	6.09	6.17	8.30	7.55	8.68	7.57	6.55	11.75	9.00	10.37	8.25	6.72	5.33	5.57	7.07
Smithville	2.72	3.59	1.55	4.29	6.07	4.59	7.20	5.21	5.02	5.22	7.05	2.60	5.78	5.44	5.42	5.92	5.25	5.71
Spencertown	5.31	6.47	3.29	9.30	5 01	6.63	4 38	5.33	5.60	7.27	7.47	13.17	9.84	10.17	8.32	5.23	5.81	6.97
Wampsville	8 75	4.47	7.94	6.04	8.67	5.83	10.74	5.92	8.91	8.17	4.92	7.41	5.23	7.19	18.33	8.88	4.95	7.60
NEW JERSEY—																		
Bloomfield	12.00	5.71	13.50	25.00	?	13.47	4.33	7.50	11.04	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burlington	6.88	7.04	4.77	7.06	10.44	8.37	9.19	12.30	6.29	13.12	11.45	10.78	8.00	13.65	10 12	11.28	10.43	11.35
PENNSYLVANIA—																		
Easton	4.31	4 58	6.36	5.68	4.86	5.11	4.30	5.91	4.16	....	....	.. .	.....	.....	.....	.....	.....	.....
Gettysburg	2.33	2.13	2 14	2.12	2.71	3.15	3.50	5.58	3.24	7.75	4 50	3.47	5.62	4.06	4.68	4.55	6.89	5.22
Lima	9.43	5.75	5.85	4.92	9.48	6.96	7.49	15.07	7.32	6.03	9.43	10.60	8.04	9.39	7.90	4.68	7.09	6.71
Morrisville	4.84	3.95	3.08	3.10	5.84	3.82	3 46	5.68	3.64	3.38	4.85	2.64	4.00	7.20	3 94	2.93	5.29	3.91
Norristown	13.25	5.39	4.60	4.59	6.06	6.49	6.08	12.25	6.91	12.00	3.89	5.23	7.47	16.33	8.26	5 45	8.14	6.21
Philadelphia	4.48	3.81	3.68	3.21	3.50	4.02	5.09	5.05	4.36	7.50	6.43	0	2.80	7.50	5.77	3.72	6.42	5.21
Pittsburg, [Marine Hospital]	?	?	?	?	?	?	?	?	?	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pocopson	5.83	4.00	3.26	3.74	6.47	6.26	6.21	9.37	6.45	4.45	6.67	6.00	4.00	2.67	6.42	3.82	4.50	4 51
Pottsville	8.80	5.40	4.52	4.29	3 02	4.32	4 92	1 42	6.42	7.54	8.41	8.04	12.62	7.78	9.41	7.35	8.09	8.32
West Haverford	12.46	7.79	9.01	5.64	3.08	7.30	5.14	9.67	6.86	20.00	10.45	20.65	20.12	7.53	14.21	10.21	15.62	13.78
MARYLAND—																		
Bladensburg	2.00	?	2.00	?	?	?	?	2.00	2 00	....	....	....	....	....	....	....	....	....
Frederick	5.17	4.59	4.22	4.50	8.17	7.09	9.64	13.62	7.51	8.36	8.13	11.33	11.70	10.51	9 54	7.38	10.67	8.61
Sykesville	3.30	3.14	3.29	3.36	7.98	4.04	3.31	4.45	3.75	3.14	3.13	2.32	3.00	4.57	3 00	2.52	4.61	2.75
VIRGINIA—																		
Alexandria	3 65	3.23	2.41	3.38	3.88	3.74	4.55	5.96	4.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crichton's Store	2.76	2.05	2.00	2.12	3.58	3.94	6.85	6.82	3.78	....	.....	.....	.....	.....	.....	.....	.....	.....
Lewisburg	....	.....	.....	.....	.....	.....	.....	.....	.....	12.83	12 00	11.20	0	12.78	12.00	8.37	13.78	7.63
NORTH CAROLINA—																		
Chapel Hill	4.02	3.05	2 63	2.69	3.37	4.00	3.94	5.30	3.86	2.95	2.70	2.67	3.13	2.43	2.48	2.15	1.23	2.43
SOUTH CAROLINA—																		
All Saints	6 89	12 11	8.91	9.46	8.62	10.46	7.08	8.51	8.66	5.20	8.02	5 87	4.77	3.70	6.57	2.91	4.36	4.94
Camden	10.16	13.51	7.24	8.58	10.08	9.96	14.85	11.50	10.60	8.73	11.21	11.73	8.23	13.05	13 30	9.86	9.46	11.04
GEORGIA—																		
Savannah	3 52	5.04	5.38	4.05	4.00	3.49	3.33	5 06	4.19	?	?	?	2.00	?	2.00	2 00	2.00	2 00
Sparta	4.25	6.47	6.24	5 12	6.10	6.21	6.85	7.44	6.36	5.37	8.13	11 26	7.79	14 21	8.32	5.73	5.73	7.58
Whitemarsh Island	7.17	1.51	9.88	8.99	12.27	9.85	5.93	10.34	8.36	7.08	14.71	7.64	7.41	9.86	8.31	5.35	6.11	8.17
FLORIDA—																		
Cedar Keys	8.06	8.65	8.90	7.19	8.64	10.01	7.19	12.29	8.40	4.79	4 49	6.07	5.91	5.47	5.09	6 52	5.91	5.57
Jacksonville	4.34	4.38	5.22	4.03	3.38	5.17	5.14	3.02	4.29	3.19	3.74	2.79	3.16	2.73	3.45	2.43	3.39	3.22
Key West	18.89	22.32	19.03	19.11	17 86	12.69	9.00	20 99	19.03	.....	...	.....	.....	...	.....	.....	.....	.....
Knox Hill	11.87	8.89	5.85	7.46	8.68	10.71	5.34	9.73	8.26	16.00	25.55	21.34	17.72	16.86	18.42	12.96	20.74	18.26
Warrington	8.06	10.50	12.64	11 28	7.38	10.00	10.26	7.43	9.21	8.26	11.03	13.11	11.25	12.79	9.96	8.03	6.05	9.62
MISSISSIPPI—																		
Oxford	9.14	6.93	6.86	9.70	10.53	10.14	8.11	8.99	8.95	4.87	4.32	4.55	9.14	7.65	7.05	7.24	6.79	6.92
LOUISIANA—																		
New Orleans	6.92	8.15	5.21	4.63	4.20	5.40	4.35	7.98	5.61	8.42	7.80	4.83	5.38	6.05	4.89	4.55	5.79	5.67

No. 55.—WINDS—MEAN VELOCITY FOR THE YEAR 1855.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—																		
Austin	8.77	4.31	5.42	6.03	6.84	6.31	4.62	7.50	6.58	3.60	4.06	3.78	4.32	6.73	3.54	2 37	2.84	4.14
New Wied	8.57	3 62	4.71	5.23	6.49	5.53	3.46	5.04	5.19	3.50	3.00	2.48	4.67	4 26	3.82	2.48	2.61	3.28
TENNESSEE—																		
Glenwood	3.65	3.66	2.97	4.89	7.08	6 40	4.23	7.91	4.10	4.75	4.18	4.00	4.25	9.63	3.92	2.68	4 94	3.90
OHIO—																		
Germantown	2.48	2.02	2.15	2.39	4.45	2.74	3.59	2.93	2.73	2.70	2.27	2.40	2.11	4.09	2.46	3 33	2.31	2.44
Granville	2.00	3 70	3 54	4 00	4.60	6.56	6.27	5.71	3.23	3.00	2.46	2.00	2.00	13.57	6 64	4.10	7.18	5.63
Harrisburg	2.88	2.87	3.27	3.29	3.24	2.66	2.92	7.02	4.61	2.80	3.00	3.25	4.68	2.95	7.29	3.63	8.78	6.05
Hillsborough	9.07	5.56	3.33	5.44	5.42	9 73	15.09	10.70	8.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oberlin	7.84	9.45	7.67	8.08	7.41	11.82	15.49	11.89	9.61	10.95	18.00	14.91	23.86	19.36	16.01	4.61	10.81	8.24
ICHIGAN—																		
Ann Arbor, [Woodruff]	4.26	5.73	5.00	5.79	6.69	14.33	15.09	10.50	7.89	6.82	9.33	10.69	7.48	11.53	7.47	4.47	4.91	5.81
Ann Arbor, [Winchell]	9.02	7.03	4.24	6.35	7.30	10.21	10.79	10.26	7.32	6 49	7.17	7.44	6.77	7.07	4.45	5.68	8.19	6.15
Battle Creek	3 83	6.67	5.27	5.07	5.14	9.24	8.42	7.21	6.42	5.15	8.69	6.60	8.71	6.30	8.68	5.41	6.43	6.49
Cooper	8.38	10.04	6.22	8.21	7.27	9.82	7.70	8.65	5.46	14.00	14.55	7.39	15.37	16.40	16.40	5.47	10.95	7.88
Detroit	7.22	4 37	5.45	3.28	5.25	6.36	7.58	8.16	5.99	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Rapids	4.12	5.01	3.12	3.56	5.32	6.99	7.03	7.25	4.24	21.70	16.63	34.33	19.31	29.57	17.71	15.31	20.47	18.57
St. James	15.65	18 34	17.11	13.79	16.99	16.04	10.43	12.35	10.17	18.58	7.77	11.59	11.50	14.15	19.49	15.00	16.38	16.96
INDIANA—																		
Milton	3.65	3.78	2.13	2.89	4.80	1.80	6.08	6.43	2 51	35.00	28.43	13.50	45.00	34.89	27.46	28.59	31.11	28.86
New Harmony	2.00	?	15.67	18.50	15.87	16.40	20.23	16.43	17.16	.....	.....	.....	.....	.....	.....	.....	.....	.....
ILLINOIS—																		
Athens	5.30	3.99	5.29	3.47	4.41	3.35	7.36	5.36	4.37	12.62	12.16	14.25	10.09	10.64	9.21	7 33	7.88	8.77
Augusta	7.44	9.92	5.61	8.53	9.40	10.86	8.41	10.52	8.36	4 87	5.80	2.53	3.94	5.27	4.89	4.32	6.55	4.86
Manchester	4.84	3.68	3.55	3.43	5 59	4.20	6.16	11.19	5.07	?	?	2.00	?	?	2.00	2.00	?	2.00
Ottawa	5.34	4.81	3.08	4.59	5.11	5.78	7.35	5.48	5.29	5.15	5.73	0	10.33	3.56	5.17	4.79	3.63	4.73
Upper Alton	3.26	3.36	3.14	3.37	3.40	3.68	3.39	3.16	3.34	.....	.....	.....	.....	.....	.....	.....	.....	.....
MISSOURI—																		
St. Louis	8.40	8.50	?	11.55	12.59	13.35	13.22	10.49	12.07	.....	.....	.....	.....	.....	.....	.....	.....	.....
WISCONSIN—																		
Beloit	5.05	4.06	3.40	4.66	5.61	5.78	6.62	7.69	5.46	8.00	10.47	8.31	8.60	8.22	10.45	12.02	9.67	9.62
Milwaukee, [Winkler]	3.73	4.02	1.81	3.23	3.33	4.45	3.68	3 43	3.56	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platteville	7.51	6.46	6.92	5.05	5.60	5.91	6.22	6.20	6.11	.....	.....	.....	.....	.....	.....	.....	.....	.....
IOWA—																		
Dubuque	17.53	11.97	6.77	7.62	10.69	11.57	13 66	6.93	10.44	25.00	36.06	38.70	27.48	25.30	25 30	15 84	20.92	22.10
Fort Madison	8.22	4.82	3.11	5.94	8.24	9.66	6.80	12.80	7.93	9.59	14.67	13.14	12.76	11.37	9.96	7.42	12.86	9.77
Muscatine	7.00	4.37	5.61	4.21	7.55	6 72	10.72	6.70	6.08	2.00	5.46	2.17	7.12	2 33	4.56	3.12	4.39	4.60
Poultney	5.03	3.89	4 61	3.68	4.45	5.03	7.46	5.15	4.24	8.28	7.00	7.11	8.23	6.24	5.25	4.00	5.20	5.47

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1856.

NO. 1.—LIST OF STATIONS AND OBSERVERS, 1856.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	Feet		
Acquidneset, R. I. (*a*)	41 30 ?	71 40 ?	30 ?	4	E. G. Arnold.
Aiken, S. C.	33 32	81 34	565	11	H. W. Ravenel.
Alexandria, Va.	38 48	77 04	56	12	Benjamin Hallowell.
All Saints, S. C. (*b*)	43 40	79 17	20	12	Rev. Alex. Glennie.
Amherst, Mass.	42 22	72 34	267	12	Prof E. S. Snell.
Angelica, N. Y.	42 15	78 01	1,500	12	Dr E. M Alba.
Annapolis, Md.	38 58	76 29	34	3	A. Zumbrock, M. D.
Annapolis, Md	38 59	76 29	-------	12	W R Goodman.
Ann Arbor, Mich. (*c*)	42 17	83 45	891	5	Prof A Winchell.
Ann Arbor, Mich (*d*)	42 16	83 30	850	8	Lum Woodruff.
Appleton, Wis. (*e*)	44 10	88 35	800 ?	12	Prof. R Z. Mason.
Athens, Ill.	39 52	89 56	?	12	Joel Hall.
Atsena, Fa. (*f*)	29 08	82 03	12	12	Judge Augustus Steele.
Auburn, Ala.	33 37	88 03	821	12	Prof John Darby.
Augusta, Ill.	40 12	89 45	203	12	S. B. Mead, M D
Austin, Texas	30 20	97 46	?	12	S K. Jennings, M. D.
Baldwinsville, N. Y.	43 04	76 41	?	12	John Bowman.
Ballardsville, Ky.	38 26	85 31	?	12	John Swain, M. D.
Barnstead, N. H. (*g*)	43 38	71 27	?	9	R. F. Hanscom.
Battle Creek, Mich.	42 20	85 01	750	11	Dr. W. M. Campbell.
Bay City, Wisconsin	46 35	91 03	-------	3	Edward Ellis, M. D.
Bedford, Pa.	40 01	78 30	?	12	Samuel Brown.
Belair, Fa	30 30 ?	84 30 ?	70	1	B. F. Whitner.
Bellefontaine, Ohio	40 21	83 40	?	8	Joseph Shaw.
Belle Prairie, Minn	46 06 ?	94 20	?	1	B. F. Odell.
Beloit, Wis.	42 30	89 04	750	12	Prof. William Porter.
Bellevue, Iowa	42 15	90 25	?	11	John C. Fory.
Berwick, Pa.	41 05	76 16	588	3	John Eggert.
Berryville, Va.	39 09	78 00	580	12	Miss Ellen Kownslar.
Beverly, N. Y. (*h*)	41 23	72 12	180	12	Thomas B. Arden
Black River, La.	31 30	91 46	108	3	Andrew R. Kirkpatrick, M. D.
Blackwell's Island, N. Y.	40 45	73 57	29	12	Wm. W. Sanger, M. D.
Bladensburg, Md.	38 57	76 58	?	12	Benj. O. Lowndes.
Bloomfield, N. J.	40 49	74 11	120	12	Robert L Cooke.
Border Plains Iowa	42 36	94 05	?	6	Wm. K Goss.
Boston, Mass.	42 22	71 03	?	12	
Brandon, Vt.	43 45	73 01	?	12	David Buckland.
Bridgewater, Mass	42 00	71 00	150	10	Leander A. Darling.
Brighton, Ill (*i*)	39 00	90 30 ?	-------	8	Wm. V. Eldredge.
Buffalo, N. Y.	42 50	78 53	-------	7	Elias O. Salisbury.
Buffalo, Va.	38 38	81 57	-------	4	Samuel Couch.
Burlington, N. J.	40 00	75 12	26	12	Dr. E. R. Schmidt and Rev. Adolph Frost.
Burlington, Vt.	44 29	73 11	346	12	Mrs. Phebe Thompson.
Camanche, Iowa	41 48	90 45	?	1	Nathan H. Parker.
Cambridge, Mass.	42 24	71 07	71	11	Prof W. C. Bond.
Camden, S. C.	34 17	80 33	275	12	J. A. Young, M. D.
Cannelton, Ind.	37 58	86 40	?	1	Hamilton Smith.
Cannonsburg, Pa	40 16	80 10	936	10	Wm. Smith.
Canton, N. Y.	44 38	75 15	304	8	E W. Johnson.
Cape Girardeau, Mo.	37 20	89 34	-------	3	Rev. James Knoud.
Carlisle, Pa.	40 12	87 01	500	12	Prof. W. C. Wilson.
Carlowville, Ala.	32 10	89 15	300	7	H S. Alison.
Carmel, Maine	44 47	69 00	175	11	John J. Bell.
Carthage, Ill.	40 23	91 17	?	1	Samuel Jacob Wallace.
Cascade Valley, Wis.	41 30	92 09	?	2	Samuel R. Siebert.
Catharina Sophia, Surinam	5 48	56 47	?	11	C S. Hering.
Cazenovia, N. Y.	42 55	75 46	1,260	5	Aaron White.
Chapel Hill, N. C.	35 54	79 18	?	12	Prof. James Phillips.
Charleston, S. C.	32 46	79 57	20	12	Joseph Johnson, M. D.
Charleston, S. C.	32 46	79 57	?	12	J. L. Dawson, M. D.

* For the different names by which in some cases the same place is designated by the observers, see General List of Stations in the introduction.

a East Greenwich.
b Waccamaw.
c University of Michigan.
d Three and a half miles ESE. from Ann Arbor.
e Lawrence University.
Cedar Keys
g North Barnstead.
h Philipstown.
i Piasa Farms.

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NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Chestertown, Md	39 14	76 02	?	2	James A. Pearce, jr.
Cheviot, Ohio	39 07	84 34	?	11	Ebenezer Hannaford.
Chicago, Ill	41 53	87 41	601	2	G. D. Hiscox.
Chromedale, Pa	39 55	75 25	196	12	Joseph Edwards.
Cincinnati, Ohio (*a*)	39 06	84 27	?	12	George W. Harper.
Cincinnati, Ohio			?	9	Boston Telegraph, (newspaper.)
Cincinnati, Ohio			?	2	John Lea.
Cleveland, Ohio	41 31	81 40	665	12	Gustavus A. Hyde.
Clinton, Iowa	41 54	90 30	?	1	Nathan H. Parker.
Clinton, N. Y	43 00	75 20	?	7	Prof. O. Root.
College Hill, Ohio, [Farmers' College]	39 10	70 24	800	6	Prof. R. S. Bosworth.
Collingwood, Ohio	41 49	83 34	?	7	Henry Bennett.
Colonia Tovar, Venezuela	10 26	67 20	?	6	Augustus Fendler.
Columbia, S. C	33 59	80 48	315	2	F. H. Harleston.
Columbia, Vt	41 42	72 19	?	1	Wm. H. Yeomans.
Columbus, Miss	33 30	88 29	227	12	James S. Lull.
Concord, N. H	43 12	71 29	374	12	Wm. Prescott, M. D.
Concord, N. Y	43 00	79 00	2,000	4	Lewis Woodward.
Cooper, Mich	42 40	85 31	?	12	Mrs. Octavia C. Walker.
Copper Falls Mines, Mich	47 25	88 16	1,230	12	Charles S. Whittlesey.
Cornish, Maine	43 40	70 44	800	10	G. M. Guptill.
Craftsbury, Vt	44 40	72 29	1,100	11	James A. Paddock.
Crichton's Store, Va	36 40	77 46	500	12	Lieut. R. F. Astrop.
Danville, Ky	37 40	84 31	950	8	O. Beatty.
Dayton, Ohio	39 11	89 11	?	7	James C. Fisher, M. D.
Dayton, Ohio				3	Cooper Female Seminary.
Detroit, Mich	42 24	82 58	620	9	Rev. George Duffield.
Dubuque, Iowa	42 30	90 52	1,258	6	Dr. Asa Horr and Dr. W. W. Woolsey.
Eagle River, Mich	47 26	88 02	627	6	Mrs. M. A. Goff.
Easton, Pa	40 43	75 16	320	12	Selden J. Coffin.
Eden, N. Y	42 37	79 01	700	3	Stephen Landon.
Edisto Island, S. C	32 34	80 18	23	10	Edward A. Fuller.
Fairfield, Iowa	41 01	91 57	?	7	Dr. J. M. Shaffer.
Fayal, Azores	38 30	28 42	80	2	Samuel W. Dabney.
Fishkill Landing, N. Y	41 34	73 58	42	8	Wm. H. Denning.
Flatbush, N. Y	40 37	74 02	54	12	Rev. R. D. Van Kleek.
Fleming, Pa	41 00	78 00	?	12	Samuel Brugger.
Fordham, N. Y	40 54	80 05	147	5	Claudius Pernot, S. J.
Fort Madison, Iowa	40 37	91 28	?	12	Daniel McCready.
Franklin, Iowa	42 45	92 11	?	8	Dexter Beal.
Franklin, Ohio	39 30	84 00	?	1	W. L. Schenck. M. D.
Frederick, Md	39 24	77 18	?	12	Henry E. Hanshew.
Fryeburg, Maine	44 03	71 00	?	5	George B. Barrows.
Gainesville, Fa	29 35	82 26	160	11	James B. Bailey.
Gallipolis, Ohio	39 00	82 01	520	5	G. W. Livesay.
Gardiner, Maine	44 10	69 45	?	12	R. H. Gardiner.
Garysville, Va	37 18	77 16		12	Dr. T. Francis Beckwith.
Gaston, N. C	36 28	77 45	?	3	George F. Moore.
Geneva, N. Y	42 53	77 02	567	10	Prof. W. D. Wilson.
Georgetown, Conn	41 15	73 25	300	10	Aaron B. Hull.
Germantown, Ohio	39 30	84 10	720	12	L. Groneweg.
Germantown, Ohio	39 37	84 11	?	7	J. S. Binkerd.
Gettysburg, Pa	39 49	77 03	?	12	Prof. M. Jacobs.
Glenwood, Tenn	36 28	87 13	481	12	Wm. M. Stewart.
Goldsborough, N. C	35 20	77 51	?	10	Prof. Daniel Morrelle.
Grand Rapids, Mich	43 00	86 00	743	12	Alfred O. Currier.
Grand Rapids, Mich				2	L. H. Streng.
Granville, Ohio	40 03	82 34	995	12	Prof. S. N. Sanford.
Great Falls, N. H	43 17	76 52	200	3	Henry E. Sawyer.
Greene Springs, Ala	32 50	87 46	?	10	Prof. H. Tutwiler.
Greensborough, Ala	32 30	87 10	350	7	Robert B. Waller.
Hannibal, Mo. (*b*)	39 45	91 28	?	2	Edw. Duffield, M. D.

a Woodward High School. *b* Dry Ridge.

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NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Harrisburg, Pa	40 15	76 54	?	12	Dr. John Heisely.
Hazlewood, Minn. (*a*)	45 00	95 30	?	11	Rev. S. R. Riggs.
Hillsborough, Ohio	39 13	83 30	1,000	12	J. McD. Mathews.
Hiram, Ohio	41 20	81 09	675	12	S. M. Luther.
Holland, Mich	42 45	86 11	?	4	L. H. Streng.
Homer, N. Y	42 38	76 11	1,100	2	E. G. Reed.
Houseville, N. Y	43 40	75 32	?	3	Walter D. Yale.
Huntersville, Va	39 30	80 31	2,640	2	Wm. Skeen.
Iowa City, Iowa	41 39	91 33	?	4	Herman H. Fairall.
Jacksonville, Fa	30 15	82 00	14	12	Dr. A. S. Baldwin.
Janesville, Wis	42 42	89 09	768	12	J. F. Willard.
Jefferson, Ohio	42 00	81 00	?	11	James D. Herrick.
Kanawha, Va	38 53	81 25	?	12	David L. Ruffner.
Kenosha, Wis	42 35	87 50	600	12	Rev. John Gridley.
Knoxville, Tenn	35 59	83 50	1,000	3	Prof. T. L. Griswold.
Lake, N. Y	43 15	73 33	?	1	Peter Reid.
Lake Winnibigoshish	47 30	94 40	?	2	Benjamin F. Odell.
Lambertville, N. J	40 23	74 56	-------	12	L. H. Parsons.
Lawrence, Mass	42 42	71 11	?	12	John Fallon.
Lewisburg, Va	38 00	80 00	2,000	12	Thomas Patton, M. D.
Lewisburg, Pa	40 58	76 58	?	12	Charles S. James.
Liberty, N. Y	41 45	74 46	1,474	4	John Felt, jr.
Lodi, N. Y	42 37	76 54	1,000	9	John Lefferts
Londonderry, N. H	42 53	71 20	?	7	R. C. Mack.
Lowville, N. Y	43 46	75 03	?	8	J. Carroll House.
Madison, Ohio	41 50	81 01	725	4	Miss Ardelia Cunningham.
Madison, Wis	43 05	90 13	892	6	A. Schue, M. D.
Madison, Wis	43 05	89 25	892	1	Prof. J. W. Sterling.
Madrid, N. Y	44 43	75 33	280	2	E. A. Dayton.
Manchester, N. H	42 59	71 25	300	11	Samuel N. Bell.
Manchester, Ill.	39 33	90 35	723	12	John Grant.
Manitowoc, Wis	44 07	87 37	?	12	Jacob Lüps.
Marengo, Ill	42 14	88 38	650	9	O. P. Rogers.
McGrawville, N. Y	42 34	76 00	?	2	Metcalf J. Smith.
Meadville, Pa	41 39	80 11	1,088	12	J. F. Thickstun.
Mendon, Mass	42 06	71 34	?	12	John George Metcalf, M. D.
Mexico, N. Y	43 27	76 14	423	10	John R. French.
Mexico City, Mexico	14 30	99 01	7,665	10	Prof. L. C. Ervendberg.
Millersburg, Ky	38 40	84 27	804	8	George S. Savage, M. D.
Milwaukee, Wis	43 03	87 57	593	12	Carl Winkler.
Milwaukee, Wis	43 03	87 57	?	12	F. C. Pomeroy.
Mirador, Mexico	19 50	96 25	3,500	12	Carl Sartorius.
Monroe, Mich	41 56	83 22	590	12	Miss Helen Irene Whelpley.
Monson, Maine	45 11	69 35	?	6	Benjamin F. Wilburn.
Montreal, Canada	45 30	73 36	57	12	Archibald Hall, M. D.
Montross, Va	38 07	76 46	200	1	H. H. Fauntleroy.
Morrisania, N. Y., [Fairmount Inst.]	40 53	74 01	150 ?	6	J. S. Gorton.
Morrisville, Pa. (*b*)	40 12	74 48	30	12	Ebenezer Hance.
Mossy Creek, Va	39 35	78 30	?	2	James Hotchkiss.
Moss Grove, Pa. (*c*)	41 40	74 11	?	10	Francis Schreiner.
Mount Solon, Va	38 00 ?	79 00 ?	?	1	James T. Clarke.
Mount Vernon, Iowa	42 00	91 00	?	4	B. Wilso Smith.
Murfreesborough, N. C	36 30	77 06	?	3	Rev. A. McDowell.
Muscatine, Iowa	41 25	92 02	586	12	T. S. Parvin.
Mustapha, Va. (*d*)	39 20	81 41	?	6	James Frazer.
Nantucket, Mass	41 17	72 21	30	12	Hon. Wm. Mitchell.
Natchez, Miss	31 34	91 24	?	4	J. Edwards Smith.
Nazareth, Pa	40 43	75 21	?	12	H. A. Brickenstein.
New Albany, Ind.	38 17	85 45	?	3	C. Barnes.
Newark, Del.	39 38	75 47	120	8	Thomas J. Craven, Richard A. Martin, and Robert Crawford.
Newark, Mich	42 30 ?	86 00 ?	?	2	L. H. Streng.

a Lac qui Parle. *b* Near Morrisville. *c* Kingsley. *d* Head of Mustapha.

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	° ′	° ′	*Feet.*		
Newark, N. J	40 45	74 10	30	12	W. A. Whitehead.
New Bedford, Mass	41 39	70 56	90	12	Samuel Rodman.
New Braunfels, Texas	29 42	98 15	?	11	J. L. Forke.
Newburyport, Mass	42 49	70 52	?	12	H. C. Perkins, M. D.
New Harmony, Ind	38 08	87 50	320	12	John Chappellsmith.
New London, Conn	41 21	72 03	90	12	Rev. Tryon Edwards, D. D.
New London, Wis	44 21	88 45	?	3	J. Everett Breed
New Orleans, La	29 57	90 00	?	3	Lewes B. Taylor.
New York city, N. Y., [D. & D. Inst.]	40 43	74 05	147	12	Prof. O. W. Morris.
Norristown, Pa	40 08	75 19	153	12	Rev. J. Grier Ralston.
North Attleborough, Mass	41 52	71 23	175	12	Henry Rice.
North Salem, N. Y	40 20	73 38	361	10	Mrs. M. J. Lobdell.
North Whitehall, Pa	40 40	75 26	250	12	Edward Kohler.
Norway, Wis	42 30	88 00	753	10	John E. Himoe.
Norwich, Conn.	41 32	72 03	50	11	N. Scholfield.
Norwich, Vt	43 42	72 21	?	8	Prof. A. Jackman.
Oberlin, Ohio	41 20	82 25	800	11	Prof. J. H Fairchild.
Ogdensburg, N. Y.	44 43	77 35	?	11	Wm. E. Guest.
Oswego, N. Y	43 28	74 30	232	12	Wm S. Malcolm.
Ottawa, Ill	41 20	88 47	500	12	J. O Harris, M D.
Ovid, N. Y	42 41	76 54	800	12	J. W. Chickering, jr.
Oxford, Miss	34 20	89 25	300	6	Dr. L. Harper
Palmyra, Mo	----------	----------	-------	7	G. P. Cornings.
Paradise, Penn	40 00	76 08	--------	12	Jacob Frantz.
Paris, Ky	38 16	84 07	810	12	L. G. Ray, M. D.
Peach Grove Lodge, Va	39 15	81 00	1,100	9	W. C. Quincy.
Pekin, Ill	40 36	89 45	?	12	J. H. Riblet.
Pella, Iowa	41 30	92 55	730	3	E. H A. Scheeper.
Penn Yan, N. Y	42 42	77 11	740	12	Dr H. P. Sartwell.
Peoria, Ill.	40 36	89 30	?	10	Frederick Brendel, M. D.
Perry, Maine	45 00	67 06	100	12	Wm. D. Dana.
Perrysburg, Ohio	41 39	83 40	?	12	D. K. Hollenbeck.
Perrysville, Ark	35 00	92 46	?	1	Harmon F. Hardy.
Philadelphia, Pa	39 57	75 11	53	11	Prof. James A. Kirkpatrick.
Pin Oak, Texas	30 00	97 15	?	12	W. H. Gantt, M. D.
Pittsburg, Pa., [Oakland Station]	40 26	80 02	1,026	12	W. W. Wilson.
Plainville, N. Y	43 00	77 16	?	3	J. H Norton.
Platteville, Wis	42 25	90 00	?	12	Dr. J. L. Pickard.
Plattsburg, N. Y	44 40	73 26	156	3	Joseph W. Taylor.
Pleasant Plain, Iowa	41 07	91 54	?	12	Townsend McConnel.
Pocopson, Pa	39 54	75 37	218	12	Fenelon Darlington.
Pomfret, Conn	41 53	72 00	1,000	12	Rev. D. Hunt.
Pompey Hill, N. Y	42 52	76 09	1,737	3	John F. Kendall.
Poplar Grove, Va	38 20	81 21	?	7	James E. Kendall.
Port Gibson, Miss., [Elliott Academy]	31 51	91 02	500	6	Prof. J. Boyd Elliott.
Port of Spain, Trinidad	10 38	61 34	16	3	Geological Surveyors.
Portland, Maine	43 39	70 15	875	12	Henry Willis.
Portsmouth, Ohio	38 56	82 49	468	9	James H. Poe.
Portsmouth, Va	36 50	76 19	30	11	Prof. N. B. Webster.
Poultney, Iowa	42 40	91 20	?	3	Benjamin F. Odell.
Princeton, Mass	42 28	71 53	1,113	12	John Brooks.
Princeton, Minn	45 50	93 45	?	3	O E. Garrison.
Providence, R I	41 49	71 25	?	12	Prof. A. Caswell.
Quasqueton, Iowa	42 23	91 43	888	6	E. C. Bidwell, M. D.
Racine, Wis	42 44	87 44	600	3	W. J. Durham.
Racine, Wis	----------	----------	?	9	E Seymour.
Randolph, Pa	41 28	80 10	1,720	2	O. T. Hobbs.
Red River Settlement, H, B. Territory	50 06	97 00	?	5	Donald Gunn.
Red Wing, Minn., [Hamlin University]	44 34	92 30	--------	1	Rev. Jabez Brooks.
Richmond, Ind.	39 47	84 47	800	10	Joseph Moore.
Richmond, Mass	42 23	73 20	1,190	12	Wm. Bacon.
Ridge, Md. *(a)*	38 05	76 18	?	7	T. G. Stagg.

a Point Lookout, or St. Inegoes.

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	° ′	° ′	*Feet.*		
Riley, Ill	42 08	88 33	650	9	E Babcock.
Rocheport, Mo	38 55	92 38	?	4	Charles Q Chandler, M. D.
Rochester, N. Y	43 08	77 51	.....	12	William Harkness.
Rochester, N. Y	43 08	77 51	516	12	Wm. C. Pratt.
Romeo, Mich	42 44	83 00	714	12	Seth L. Andrews, M. D.
Rougemont, Va	38 05	78 21	450	12	George C. Dickinson.
Ruthven, Va	37 15	77 15	?	6	Julian C. Rutlin.
Sacramento, Cal	38 35	121 40	39	12	Thomas M. Logan, M. D.
Sag Harbor, N. Y	40 59	72 20	40	11	Ephraim N. Byram.
St. Augustine, Fa	29 49	81 35	8	8	P. B. Mauran, M. D.
St. Francisville, La	30 49	91 27	?	1	B. R. Gifford.
St. James, Mich	45 44	85 27	?	5	James J. Strang.
St. John's, Newfoundland	47 35	52 38	?	9	E M. J. Delany.
St. John's, S. C	.....	.....	.....	12	T. P. Ravenel.
St Louis, Mo	28 37	90 16	482	11	George Engelmann, M. D.
St. Martin Canada	45 32	73 36	118	12	Charles Smallwood, M. D.
Salem, N. J	39 34	75 27	?	2	C. M. Dodd.
Salt Ponds, Fa	24 33	81 48	4	12	Wm. C. Dennis.
San Francisco, Cal	37 48	122 23	115	2	W. O. Ayres, M. D.
Saratoga, N. Y.	42 00	74 00	360	1	Walter H. Riker.
Saugatuck, Mich	42 30	85 50	?	4	L. H. Streng.
Savannah, Ga	32 05	81 05	42	12	John F. Posey, M. D.
Savannah, Ohio	41 12	82 31	?	12	John Ingram, M. D.
Saybrook, Conn. (*a*)	41 18	72 20	10	12	James Rankin.
Scioto, Ohio	38 40	81 49	468	1	J. H. Poe.
Shamokin, Pa	40 45	76 31	700	12	P. Friel.
Shelburn, Vt	44 23	73 11	150	10	George Bliss.
Shelburne, N H	44 23	71 06	920	1	Fletcher Odell.
Sidney, Ohio	40 21	83 40	?	4	Joseph Shaw.
Smithfield, Va	36 50	76 41	100 ?	12	John R. Purdie, M. D.
Smithville, N. Y	44 00	76 01	?	5	J. E Breed.
Somerset, Pa	40 02	79 02	1,997	7	Frank Chorpenning, M. D.
Southwick, Mass	42 48	72 10	265	3	Amasa Holcomb.
Sparta, Ga	33 18	83 09	550	12	E M. Pendleton, M. D.
Spencertown, N. Y	42 19	73 41	700	12	S. F. Woodin and A. W. Morehouse.
Springdale, Ky.	38 07	85 34	570	12	Mrs. Lawrence Young.
Springfield, Mass	42 06	72 35	199	5	Lucius C. Allin.
Stanbridge, Canada East	45 00	73 00	?	1	J C. Baker.
Steuben, Maine	44 44	67 50	50	12	J D. Parker.
Stockton, Cal	37 57	121 14	?	7	R. K. Reid, M D.
Stratford, N. H	44 08	71 07	1,000	12	B Gould Brown.
Superior, Wis	46 38	92 03	658	12	L. Washington.
Sykesville, Md.	39 23	76 57	700	12	Miss Harriott M. Baer.
Tarentum, Pa	40 37	79 19	950	2	John H. Baird.
Taunton, Mass	41 49	71 09	?	1	Albert Schlegel.
Thomaston, Ga	32 54	84 23	833	12	James Anderson.
Toronto, Canada	43 39	79 21	312	12	Magnetic Observatory.
Townsendville, N. Y	42 37	76 52	1,000	3	John Lefferts.
Trinity, La	31 37	91 17	68	2	Edward Murill, M. D.
Trout Run Valley, Va.	39 00	78 01	?	11	D. H. Ellis.
Troy, N. Y	42 44	73 36	58	2	Prof. D. Greene.
Troy Hill, Pa	40 30	80 00	?	2	Victor Scriba.
Unionville, Ohio	41 50	81 01	650	8	Miss Ardelia Cunningham.
Up Park Camp, Jamaica	17 59	76 56	225	3	
Upper Alton, Ill	39 00	89 36	?	10	Dr. John James.
Urbana, Ohio	40 06	83 43	1,015	12	Prof. M. G. Williams.
Utica, N. Y, [Lunatic Asylum]	43 07	75 15	500	5	Dr. L. A. Tourtellot.
Vera Cruz, Mexico	19 12	96 09	26	5	Dr. G Berendt.
Wallingford, Conn	41 27	72 50	133	9	Benjamin F. Harrison.
Walnut Grove, Tenn	36 00	82 53	1,350	5	James B. Bean.
Wampsville, N. Y	43 04	75 50	500	12	Stillman Spooner.
Warrington, Fa	30 21	87 16	12	12	Joseph Fry.

a Lynde Point.

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	° ′	° ′	*Feet.*		
Warsaw, Ill	41 00	92 31	?	9	Benjamin Whitaker.
Washington, D. C	38 53	77 01	30	12	Smithsonian Institution.
Washington, Texas	30 26	96 15	?	1	B. F. Bucher.
Washington, Texas	30 26	96 15	?	12	W. H. T. Rhodes.
Waterford, N. Y	42 48	73 41	?	12	John C. House.
Watertown, N. Y	43 56	76 08	33	12	Peter O. Williams, M. D.
Waukesha, Wis	43 00	88 12	833	9	Prof. S. A. Bean.
West Bedford, Ohio	40 18	82 01	876	4	H. D. McCarty.
West Concord, N. Y	42 32	78 52	2,000	5	Lewis Woodward.
West Enfield, N. H	43 38	72 07	?	5	Nath. Purmort.
West Fairlee, Vt	43 55	72 15	?	2	L. W. Bliss.
Westfield, Mass	42 06	72 48	?	12	Rev. Emerson Davis.
West Haverford, Pa	40 00	75 21	?	12	Paul Swift, M. D.
West Salem, Ill	38 30	88 00	?	11	Henry A. Titze.
Weymouth, Mass	42 12	71 00	150	7	N. Quincy Tirrell, M. D.
Whitemarsh Island, Ga	32 02	81 01	18	12	R. T. Gibson.
Williamstown, Mass., [Williams Coll.]	42 42	73 13	725	12	Lavalette Wilson.
Winchester, Va	39 15	78 10	?	10	John W. Marvin.
Windham, Maine	43 49	70 17	?	2	Samuel A. Eveleth.
Wirt Court House, Va	39 05	81 26	?	8	J. N. Hoff.
Wolfville, Nova Scotia	45 06	64 25	95	12	Prof. A. P. S. Stuart.
Worcester, Mass	42 16	71 48	536	12	Wm. H. Rice, M. D.
Zanesville, Ohio	40 00	81 31	?	2	L. M. Payton.
Zanesville, Ohio	39 58	82 29	700	4	John G. F. Holston, M. D.
Zebulon, Ga	33 07	84 26	?	12	Mrs. J. T. Arnold.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.64	25	9 p. m.	30.23	16	9 p. m.	29.15
	Montreal	29 82	5	7 a. m.	30.52	17	7 a. m.	29.30
	St. Martin	29.80	4	9 p m.	30.52	16	9 p. m	29.25
	Toronto (*a*)	29.67	2	10 p. m.	30.28	28	6 a. m.	29.18
	Wolfville	29.37	12	9 p m	30.01	14	9 p. m.	28.94
Maine	Carmel	29.53	5	7 a m.	30.39	17	9 p. m.	29.08
	Gardiner	29.74	4	9 p. m	30 42	17	2 p. m	29.31
	Portland	29.76	5	7 a m	30.43	17	2 p. m.	29.28
	Steuben	29.92	2	7 a. m.	30.68	17	2 p m.	29.46
New Hampshire	Concord	29.55	5	7 a. m.	30.25	13	9 p. m	29.01
Vermont	Burlington	29.63	5	7 a m.	30.33	17	7 a. m.	*b* 29.17
Massachusetts	Amherst	29.70	5	7 a. m.	30.35	13	9 p. m.	29.11
	Nantucket	29.88	4	9 p. m	30.49	13	2 p. m	29.35
	New Bedford	29.83	4	9 p. m.	30.48	13	9 p. m	29.26
	Newburyport	29.91	5	7 a. m.	*c* 30.56	13	9 p. m.	29.34
	North Attleborough	29.72	5	7 a. m.	30.38	13	2 p. m.	29.10
	Princeton	28.71	5	7 a. m.	*c* 29.32	13	9 p. m.	28.14
	Southwick (*d*)	29.85?	5	7 a m.	30.56	13	9 p m	29 37?
	Westfield	30 14	4	9 p m	30.62	13	9 p m.	29.91
	Williamstown	29.20	5	7 a. m.	29.77	13	9 p. m	28.64
	Worcester	29.39	2	7 a. m.	*c* 29.94	13	9 p. m	28.73
Rhode Island	Providence (*a*)	29.71	4	10 p. m.	30.37	13	1 p. m.	29.08
Connecticut	Pomfret	28.81	5	7 a. m	*c* 29.37	13	2 p. m	*e* 28.28
New York	Blackwell's Island	29.99	26	7 a. m.	*f* 30 50	13	2 p. m.	29.37
	Canton	29.42	4	9 p. m.	30.05	17	7 a. m.	*b* 28.94
	Clinton	28.89	4	9 p. m.	29.48	13	9 p. m.	28.44
	Fishkill Landing	30.19	4	9 p. m.	30.76	13	2 p m	29.52
	Flatbush	29.86	4	2 p. m.	*c* 30.48	13	2 p. m.	29.17
	Geneva	29.40	------	9 p. m.	30.00	------	9 p. m	29.01
	Homer	28.69	4	9 p. m.	29.25	13	2 p. m.	28.19
	Liberty	28.32	27	9 p. m.	28.97	13	9 p. m.	27.80
	New York city	29.90	4	9 p. m.	30.52	13	2 p. m.	29.31
	Oswego	29.30	25	9 p. m.	29.93	28	2 p m	28.80
	Ovid	28.87	25	9 p m.	29.42	14	7 a m.	28.12
	Penn Yan (*a*)	29.17	25	9 p. m.	29.68	28	7 a. m.	28.64
	Plattsburg	29.83	12	2 p. m	30.46	17	2 p. m.	29.31
	Rochester, [Pratt]	29.43	25	9 p. m.	30.06	1	9 p. m.	28.93
	Sag Harbor	29.68	4	9 p m.	30.35	13	2 p. m.	*e* 29.05
	Spencertown	29.38	4	9 p m	30.01	13	2 p. m.	28.74
New Jersey	Bloomfield	29.80	4	9 p m	30.46	13	2 p. m.	29.15
	Burlington (*g*)	30.02	4	9 p. m.	30.56	13	2 p. m	29.44
	Lambertville	30.05	4.	9 p m.	30.66	13	2 p. m	29.37
	Newark (*h*)	29.91	4	6 p. m.	30.49	13	6 p. m	29.27
Pennsylvania	Bedford	29.13	26	7 a m	29.67	28	7 a. m	28.59
	Carlisle	29.21	26	7 a. m	*c* 29.75	13	2 p. m	28.64
	Chromedale	29.86	4	9 p. m	30.42	13	7 a m	29.21
	Gettysburg (*a*)	29.46	26	7 a. m.	30.01	13	2 p. m.	28.88
	Harrisburg	29.76	26	7 a m.	30.31	28	7 a. m.	29.30
	Morrisville (*g*)	30.09	4	9 p. m.	30.65	13	2 p m.	29.45
	Norristown	29.96	4	9 p. m.	30.48	28	7 a. m	29.45
	Philadelphia	29.87	4	9 p. m.	30.38	13	7 a m.	29.27
	Pittsburg	29.11	31	7 a. m.	29.93	13	7 a. m	28.50
Delaware	Newark (*a*)	29.83?	26	7 a m.	30.32	28	7 a m.	29.39
Maryland	Annapolis	30.06	26	7 a m	30.63	13	7 a. m.	29.48
	Chestertown	29.87	26	7 a m.	30.30	13	7 a. m.	29.22
	Frederick	29.71	26	7 a. m.	30.28	13	7 a. m.	29.13

a See note to table of thermometer for this month.
b Same height at 2 p. m. the 17th of the month.
c Same height at 9 p. m. the 4th of this month.
d Incomplete.
e Same height at 9 p. m. on the 15th.
f Same height at 9 p. m. on the 25th.
g Not corrected for temperature.
h Observations taken at 7 a. m. and 6 p. m.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Dist. of Columbia.	Washington	30.08	26	7 a. m.	30.64	13	7 a. m.	*a* 29.52
Virginia	Alexandria	30.07	4	9 p. m.	30.57	13	7 a. m.	29.53
North Carolina	Chapel Hill	29.49	26	7 a. m.	29.91	20	7 a. m	29.10
	Goldsborough	30.00	26	7 a. m.	30.52	20	7 a. m.	29.49
South Carolina	All Saints	30.02	26	7 a. m.	30.43	20	7 a. m.	29.47
	Camden	29.93	26	7 a. m	30.33	20	7 a. m.	29.40
	Charleston, [Johnson]	30.11	11	2 p. m	30.44	20	2 p m.	29.63
	Charleston, [Dawson]	.....	.....	.....	30.47	.....	.....	29.66
	St. John's (*b*)	29.98	25	9 p. m.	30.41	12	2 p m.	29.55
Georgia	Savannah	30.10	10	9 p. m.	30.41	20	7 a. m.	29.55
	Sparta	29.48	10	9 p. m.	29.73	20	7 a. m	29.07
	Thomaston (*c*)	29.38	11	7 a. m	29.60	12	7 a. m.	29.10
Florida	Atsena	29.96	22	7 a. m	30.23	20	7 a m	*d* 29.67
	Jacksonville	30.17	22	7 a. m.	30.45	20	7 a. m.	29.72
	Salt Ponds (*c*)	29.74	22	2 p m	29.94	20	7 a. m.	29.53
	Warrington (*b*)	30.13	22	Sunrise.	*e* 30.47	19	Sunset.	29.63
Alabama	Auburn	29.43	22	7 a. m.	29.67	19	2 p. m	29.01
Mississippi	Oxford	29.71	22	2 p. m.	30.01	25	2 p m.	29.24
	Port Gibson	29.71	22	7 a. m.	30.07	19	2 p. m	29.30
Texas	New Braunfels	29.17	28	2 p. m.	29.90	25	7 a. m	28.74
Tennessee	Glenwood	29.68	10	7 a. m.	30.10	27	2 p. m	29.14
Kentucky	Ballardsville	29.16	4	7 a. m.	29.53	27	7 a. m.	28.80
	Millersburg (*c*)	29.39	10	2 p. m.	29.77	12	2 p m.	28.99
	Paris	29.26	4	7 a. m	29.68	27	9 p m	28.68
	Springdale	29.51	4	7 a. m.	29.98	27	9 p. m	28.91
Ohio	Cincinnati, [Harper]	29.61	10	2 p. m.	30.03	27	9 p. m	29.02
	Cincinnati, [Lea]	.....	.....	.....	30.09	.....	.....	28.41
	College Hill	29.13	25	9 p. m.	29.57	27	9 p m.	28.59
	Dayton	29.33	28	.....	29.91	27	.....	28.94
	Germantown	29.31	4	7 a. m.	29.77	27	9 p m	28.74
	Granville (*b*)	29.04	4	7 a. m.	29.47	13	7 a. m.	28.68
	Hillsborough	28.91	4	7 a. m.	29.37	27	9 p. m.	28.37
	Hiram	28.92	26	7 a. m.	29.48	28	7 a. m	28.38
	Oberlin	29.14	25	9 p. m.	29.71	28	7 a. m	28.65
	Perrysburg (*b*)	29.44	25	2 p. m.	29.99	27	9 p. m.	28.99
	Urbana	28.81	25	9 p m.	29.29	28	7 a. m.	28.31
Michigan	Ann Arbor	29.15	25	9 p. m.	29.75	28	7 a m.	28.70
	Battle Creek	29.15	25	9 p. m.	29.67	28	7 a. m.	28.72
	Romeo	29.07	25	9 p. m.	29.65	28	7 a. m.	28.62
Indiana	New Harmony	29.79	10	7 a. m.	30.22	27	9 p. m.	29.29
Illinois	Manchester (*b*)	28.94	10	7 a. m.	29.40	27	9 p m.	28.46
	Upper Alton	29.60	3	9 p m	30.00	27	2 p. m.	29.10
Missouri	St Louis	29.63	3	9 p. m.	30.04	27	2 p. m.	29.08
Wisconsin	Appleton	29.18	25	7 a. m.	*f* 29.68	31	9 p. m.	28.71
	Beloit	29.30	25	7 a. m.	29.80	31	9 p. m.	28.87
	Kenosha City (*g*)	29.53	.....	.....	.....	.....	.....	.....
	Manitowoc	29.72	.....	.....	30.29	.....	.....	29.22
	Milwaukee, [Winkler]	29.37	25	9 p m.	29.90	31	9 p. m.	28.88
	Racine (*h*)	29.46	25	9 p. m.	29.99	17	7 a. m.	29.07
	Superior	29.47	25	7 a m.	30.11	16	2 p m.	28.95
Iowa	Dubuque	29.47	25	7 a. m.	29.99	31	2 p. m.	28.99
	Muscatine	29.65	25	7 a. m.	30.04	27	2 p. m.	*i* 29.22
	Quisqueton	29.19	25	7 a m.	29.68	31	2 p. m.	28.71
California	Sacramento	30.00	26	9 p. m	30.24	15	2 p. m.	29.63
	San Francisco (*b*)	30.06	21	2 p m	30.19	22	2 p. m.	29.84
	Stockton (*c*)	29.59	4	7 a. m	29.85	9	2 p m.	29.20
West Indies	Up Park Camp, Jamaica	29.82	.....	9½ a. m	29.93	.....	3½ p. m.	29.63

a Same height at 2 p. m. on the 13th.
b See notes to table of thermometer for this month.
c Not corrected for temperature.
d Same height at 9 p. m. on the 19th.
e Same height at sunrise on the 23d.
f Same height at 9 p. m. on the 25th.
g Observations very much interrupted.
h Observations taken at 9 a. m. and 9 p. m.
i Same height at 9 p. m. on the 27th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.47	25	9 p. m.	30.42	16	9 a. m.	28.80
	Montreal	29.58	6	2 p. m.	30.21	12	7 a. m.	28.89
	St. John's (*a*)	29.21?	------	------	------	------	------	------
	St. Martin	29.56	6	7 a. m.	30.22	12	7 a. m.	28.78
	Toronto (*a*)	29.48	6	6 a m	30.09	16	2 p. m.	28.78
	Wolfville	29.19	7	7 a. m.	29.86	18	7 a. m.	28.30
Maine	Carmel	29.33	6	9 p m.	29.98	17	9 p m.	28.37
	Gardiner	29.52	6	9 p. m.	30.16	17	9 p. m.	28.71
	Steuben	29.62	6	9 p. m.	30.37	17	9 p. m.	28.55
New Hampshire	Concord	29.36	6	9 p. m.	30.00	17	2 p. m.	28.67
Vermont	Burlington	29.35	6	2 p. m.	30.11	21	2 p. m.	28.19
Massachusetts	Amherst	29.51	6	2 p. m.	30.15	17	2 p. m.	28.83
	Nantucket	29.74	6	9 p. m.	30.39	17	2 p. m	29.03
	New Bedford	29.65	6	9 p m.	30.27	17	2 p. m	28.97
	Newburyport	29.63	6	9 p. m.	30.37	17	2 p. m.	28.93
	North Attleborough	29.56	6	7 a. m.	30.27	17	9 p. m.	29.04
	Princeton	28.52	6	7 a. m.	29.34	12	7 a. m.	27.82
	Southwick (*b*)	29.62	29	9 p. m.	30.08	17	7 a. m.	*c* 29.15
	Westfield	30.03	6	7 a. m	30.47	17	9 p. m.	29.77
	Williamstown	29.02	6	7 a m	29.65	12	7 a. m.	28.38
	Worcester	29.20	6	2 p. m.	29.81	17	2 p. m.	28.58
Rhode Island	Providence (*a*)	29.54	6	10 p. m.	30.17	17	1 p m.	28.87
Connecticut	Pomfret	28.66	6	2 p. m	29.24	17	2 p. m.	28.06
New York	Blackwell's Island	29.83	6	7 a. m.	30.49	12	7 a. m.	29.23
	Canton	29.21	6	7 a. m.	29.85	12	7 a. m.	28.57
	Clinton	28.71	6	7 a. m.	29.27	12	7 a. m.	28.10
	Fishkill Landing	29.98	6	2 p. m.	30.67	12	7 a m.	29.38
	Flatbush	29.70	6	7 a. m.	30.38	12	7 a m.	29.07
	Fordham	29.63	6	2 p. m.	30.26	12	2 p. m.	28.99
	Geneva	29.23	------	7 a. m	29.85	------	2 p. m.	28.61
	Homer	28.52	6	7 a. m.	29.13	16	9 p. m.	27.92
	Liberty	28.12	6	7 a. m.	28.69	12	7 a. m.	27.56
	Madrid (*a*)	29.39?	6	7 a m.	30.09	12	7 a. m.	28.80
	New York city	29.67	6	7 a. m.	30.32	12	7 a m.	29.06
	Oswego	29.10	6	2 p. m.	29.76	16	9 p m.	28.44
	Ovid	28.71	6	7 a. m.	29.33	16	2 p m.	28.11
	Penn Yan (*a*)	29 00	6	Sunrise.	29.58	16	Sunset.	28.39
	Plattsburg	29.59	6	7 a. m.	30.25	12	7 a. m.	28.86
	Rochester, [Pratt]	29.30	6	7 a. m.	29.92	16	2 p. m.	28.66
	Sag Harbor	29.51	6	9 p. m.	30.15	17	7 a m	28.82
	Spencertown	29.31	6	9 p. m.	29.89	12	7 a. m.	28.55
New Jersey	Bloomfield	29.70	6	7 a. m	30.33	12	7 a m.	29.07
	Burlington	29.79	6	2 p. m.	30.41	17	7 a. m.	29.21
	Lambertville	29.87	6	2 p. m.	30.54	12	7 a m.	29.37
	Newark (*d*)	29.76	6	7 a m.	30.40	12	7 a. m	29.12
Pennsylvania	Bedford	28.95	6	7 a. m.	29.54	16	9 p m.	28.34
	Carlisle	29.05	6	7 a. m.	29.69	16	9 p. m.	28.44
	Chromedale	29.71	6	7 a m.	30.41	16	9 p m.	29.08
	Gettysburg	29.35	6	7 a. m.	29.97	16	9 p. m	28.68
	Harrisburg	29.64	6	7 a. m	30.27	16	9 p. m.	29.01
	Lewisburg (*a*)	29.40	6	6 a. m	30.07	16	10 p m.	28.75
	Morrisville (*e*)	29.95	6	7 a. m.	30.60	12	7 a. m.	*f* 29.49
	Norristown	29.78	6	7 a. m.	30.44	12	7 a. m.	29.16
	Philadelphia	29.73	6	7 a m.	30.38	12	7 a m	29.14
	Pittsburg	29.80	6	7 a. m	29.37	18	7 a. m.	28.16
Delaware	Newark	29.71	6	7 a. m.	30.44	12	7 a. m.	29.10
Maryland	Annapolis (*a*)	29.92	6	7½ a. m.	30.62	16	9 p. m.	29.26

a See notes to table of thermometer for this month.
b For the last 14 days of the month only.
c Same height at 2 p. m on the 17th of this month.
d Observations taken at 7 a. m and 6 p. m.
e Not corrected for temperature.
f Same height at 2 p. m. on the 12th and 9 p. m. on the 16th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Maryland	Chestertown	29.77	6	7 a. m.	30.31	12	7 a. m.	29.14
	Frederick	29.56	6	7 a. m.	30.22	16	2 p. m.	28.92
Dist. of Columbia	Washington	29.94	6	7 a. m	30.64	16	2 p. m	29.27
Virginia	Alexandria	29.94	6	7 a. m.	30.58	16	2 p. m.	29.33
North Carolina	Chapel Hill	29.38	6	7 a. m.	29.93	16	2 p. m	28.85
	Goldsborough	29.88	6	7 a. m.	30.55	16	2 p. m	29.28
South Carolina	All Saints	29.92	6	7 a. m.	30.51	16	9 p. m.	29.42
	Camden	29.82	6	7 a. m.	30.39	16	2 p. m.	29.39
	Charleston, [Johnson]	30.11	6	7 a. m.	30.62	21	7 a. m.	29.75
	Charleston, [Dawson]	------	------	------	30.58	------	------	29.66
	Edisto Island (*a*)	30.01	19	7 a. m.	30.22	16	9 p. m.	29.81
	St. John's (*a*)	30.05	6	2 p. m.	30.53	21	9 p. m.	29.71
Georgia	Savannah	30.10	6	7 a. m.	30.52	16	9 p. m.	29.56
	Sparta	29.38	6	7 a. m.	29.82	16	9 p. m	28.95
	Thomaston (*b*)	29.27	6	7 a. m.	29.65	16	2 p. m.	*c* 28.90
Florida	Atsena	29.89	5	7 a. m	30.27	21	7 a. m.	29.51
	Jacksonville	30.07	5	7 a. m	30.53	21	2 p. m.	29.57
	Salt Ponds (*b*)	29.70	5	2 p. m.	30.00	21	7 a. m.	29.44
	Warrington	30.04	5	2 p. m.	30.47	21	7 a. m	29.62
Alabama	Auburn	29.30	5	9 p. m.	29.70	16	2 p. m	28.90
Mississippi	Oxford	29.54	5	7 a. m	30.00	16	2 p. m.	29.16
	Port Gibson	29.59	5	7 a. m.	30.01	20	9 p. m.	29.23
Texas	New Braunfels (*b*)	28.99	3	7 a. m.	29.40	16	2 p. m.	28.72
Tennessee	Glenwood	29.54	5	7 a. m.	30.02	16	7 a. m.	29.00
Kentucky	Ballardsville	29.00	5	9 p. m.	29.50	16	2 p. m	28.47
	Millersburg (*b*)	29.25	5	2 p. m.	29.66	16	2 p. m.	28.88
	Paris	29 09	5	7 a. m.	29.55	16	7 a. m	28.51
	Springdale	29.37	5	2 p. m.	29.83	16	2 p. m	28.80
Ohio	Cincinnati, [Harper]	29.44	5	7 a. m.	29.96	16	2 p. m.	28.76
	Cincinnati, [Lea]	------	------	------	29.96	------	------	28.65
	College Hill	28.98	5	9 p. m.	29.49	16	2 p. m.	28.34
	Dayton	29.33	------	------	29.73	------	------	28.91
	Germantown, [Groneweg]	29.15	5	9 p. m.	29.66	15	2 p. m.	28.68
	Granville	28.87	6	7 a. m.	29.39	16	7 a. m.	28.24
	Hillsborough	28.76	5	2 p. m.	29.27	16	2 p. m	28.12
	Hiram	28.78	5	9 p. m.	29.35	16	9 p. m.	28.31
	Oberlin	28.97	6	7 a. m.	29.51	16	2 p. m.	28.24
	Perrysburg (*a*)	29.31	6	7 a. m.	29.82	16	7 a. m.	28.57
	Urbana	28.66	6	7 a. m.	*d* 29.16	16	2 p. m.	27.98
Michigan	Ann Arbor, [Woodruff]	28.98	6	7 a. m	29.51	16	7 a. m.	28.24
	Battle Creek	28.99	6	7 a. m.	29.41	16	7 a. m.	28.38
	Romeo, [Andrews] (*a*)	28.92	6	7 a. m.	29.59	16	6 a. m.	28.22
Indiana	New Harmony	29.62	5	7 a. m.	30.14	16	7 a. m.	29.03
	Richmond	28.91	------	------	------	------	------	------
Illinois	Manchester (*a*)	28.79	5	7 a. m.	29.26	16	7 a. m.	28.27
	Upper Alton	29.47	5	2 p. m.	29.75	16	7 a. m.	28.95
Missouri	Hannibal (*a*)	29.37	5	9 a. m.	*e* 30.06	26	9 p. m.	28.69
	St. Louis	29.47	5	7 a. m.	29.92	16	7 a. m.	28.89
Wisconsin	Appleton	28.97	6	7 a. m.	29.35	1	7 a. m	28.16
	Beloit	29.13	5	9 p. m	29.53	16	7 a. m.	28.54
	Kenosha (*f*)	29 38	------	------	------	------	------	------
	Manitowoc	29.57	------	------	29.94	------	------	28.95
	Milwaukee, [Winkler]	29.20	6	7 a. m.	29.61	16	7 a. m.	28.57
	Racine, [Seymour]	29.36	15	9 p. m	29.84	16	9 a. m.	28.69
	Superior	29.25	13	7 a. m.	29.61	15	9 p. m.	28.66
Iowa	Dubuque	29.29	5	9 p. m	29.68	15	9 p. m.	28.68
	Muscatine	29.45	5	7 a. m	29.83	15	9 p. m.	28.94
	Quasqueton (*a*)	29.06	29	7 a. m	29.37	16	7 a. m.	28.49

a See notes to table of thermometer for this month.
b Not corrected for temperature.
c Same height at 9 p. m. on the 16th.
d Same height at 9 p. m. on the 5th.
e Same height at 9 p. m. on the 4th.
f Observations very much interrupted.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
California	Sacramento	30.01	11	7 a. m.	30.31	4	7 a. m.	29.69
	San Francisco	29.99	10	7 a. m.	30.26	4	2 p. m.	29.65
	Stockton (*a*)	29.55	10	7 a. m.	*b* 29.80	4	2 p. m.	29.25
West Indies	Up Park Camp, Jamaica	29.80	------	9½ a. m.	29.93	------	9½ a. m.	29.64
South America	Catharina Sophia, Surinam (*c*)	29.82	5	6 a. m.	29.94	22	2 p. m.	*d* 29.72

a Not corrected for temperature.
b Same height at 9 p. m. on the 9th.
c See notes to table of thermometer for this month.
d Same height at 6 p. m. on the 24th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH 1856.

NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
		DATE.		HEIGHT.	DATE.		HEIGHT.
		Day.	Hour.		Day.	Hour.	
	Inches.			*Inches.*			*Inches.*
Wisconsin ..... Wankesha (*a*)	29.21	31	7 a. m.	29.57	23	2 p. m.	28.78
Iowa ..... Dubuque	29.33	8	7 a. m.	29.68	6	7 a. m.	28.65
Muscatine	29.52	31	7 a. m.	29.85	23	7 a. m.	*b* 29.19
Quasqueton	29.15	31	7 a. m.	29.47	23	7 a. m.	28.78
California ..... Sacramento	29.98	1	2 p. m.	30.29	9	9 p. m.	29.67
Stockton (*c*)	29.54	22	7 a. m.	29.82	9	9 p. m.	29.22
West Indies ..... Up Park Camp, Jamaica (*a*)	29.80	.....	9½ a. m.	29.91	.....	3½ p. m.	29.71
South America. .. Catharina Sophia, Surinam (*a*)	29.78	19	2 p. m.	29.86	22	6 a. m.	29.71

a See notes to table of thermometer for this month.
b Same height at 2 p. m. on the 19th.
c Not corrected for temperature.

No .—BAROMETER, CORRECTED TO 32° F., APRIL, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	[illegible]lton (*a*)	29.61	10	9 a. m.	30.06	12	9 a. m.	29.14
	[illegible]real	29.79	1	7 a. m.	30.22	12	2 p. m.	29.35
	[illegible]hn's (*a*)	29.69	22	9 a. m.	29.95	18	9 a. m.	29.40
	[illegible]artin	29.78	1	7 a. m.	30.24	12	2 p. m.	29.27
	[illegible]to (*b*)	29.58	1	7 a. m.	30.06	12	2 p. m.	29.17
Maine	[illegible]rd	29.59	26	7 a. m.	30.04	12	9 p. m.	29.21
	[illegible]ner	29.80	26	7 a. m.	30.25	12	2 p. m.	29.25
	[illegible]nd	29.80	26	2 p. m.	30.19	12	2 p. m.	29.21
	[illegible]n	29.90	26	7 a. m.	30.29	12	2 p. m.	29.32
New Hampshire	[illegible]ord	29.62	1	7 a. m.	*c* 30.02	12	2 p. m.	29.04
Vermont	[illegible]ington	29.59	1	7 a. m.	30.07	12	2 p. m.	29.24
	[illegible]wich	29.59	------	7 a. m.	30.05	------	9 p. m.	29.08
Massachusetts	[illegible]erst	29.74	1	2 p. m.	30.22	12	2 p. m.	29.18
	[illegible]ewater (*b*)	29.88	1	7 a. m.	30.29	12	7 p. m.	29.34
	[illegible]ridge (*b*)	29.90	1	Sunrise.	30.34	12	3 p. m.	29.33
	[illegible]ucket	29.96	1	2 p. m.	30.36	12	9 p. m.	29.46
	[illegible] Bedford	29.88	1	7 a. m.	30.28	12	9 p. m.	29.38
	[illegible]buryport	29.93	26	7 a. m.	30.37	6	9 p. m.	29.33
	[illegible]th Attleborough	29.78	1	7 a. m.	30.20	12	2 p. m.	29.24
	[illegible]ceton	28.80	26	7 a. m.	*d* 29.19	12	2 p. m.	28.25
	[illegible]afield	30.10	1	7 a. m.	30.46	12	2 p. m.	29.90
	[illegible]liamstown	29.23	1	7 a. m.	29.69	12	2 p. m.	28.69
	[illegible]rester	29.45	26	7 a. m.	*e* 29.81	18	7 a. m.	29.07
Rhode Island	[illegible]vidence (*b*)	29.77	1	10 p. m.	30.26	12	1 p. m.	29.24
Connecticut	[illegible]wich	29.59	8	9 p. m	30.69	25	7 a. m.	29.26
	[illegible]fret	28.87	26	7 a m.	29.25	12	9 p. m	28.41
	[illegible]ingford (*b*)	29.84	26	7 a. m.	30.25	12	1 p. m.	29.40
New York	[illegible]kwell's Island	29.98	1	7 a. m.	30.46	21	7 a. m.	29.39
	[illegible]alo (*b*)	29.30	1	7 a. m.	29.80	12	7 a. m.	28.81
	[illegible]ton	29.39	1	7 a. m.	29.84	12	2 p. m.	28.90
	[illegible]kill Landing	30.14	1	7 a. m.	30 64	21	9 p. m.	29.57
	[illegible]tbush	29.85	1	7 a. m.	*f* 30.34	21	2 p. m.	29.25
	[illegible]neva	29.39	------	7 a. m.	29.88	------	2 p. m.	28.87
	[illegible]erty	28.38	26	7 a. m.	28.77	21	9 p. m.	27.90
	[illegible] York city	29.94	1	7 a. m.	30.38	21	2 p. m.	29.35
	[illegible]th Salem	29.57	------	7 a. m.	30.01	------	2 p. m.	29.06
	[illegible]wego	29.23	1	2 p. m.	29.71	22	7 a. m.	28.78
	[illegible]d	28.84	1	7 a. m.	29.34	22	7 a. m.	*g* 28.39
	[illegible]n Yan (*b*)	29.18	1	2 p. m.	29.59	22	Sunrise.	28.70
	[illegible]chester, [Pratt]	29.42	1	7 a. m.	29.89	22	7 a. m.	28.97
	[illegible] Harbor	29.68	1	2 p. m.	30.11	12	9 p. m.	29.15
	[illegible]ncertown	29.31	1	7 a. m.	29.88	21	9 p. m.	28.75
New Jersey	[illegible]omfield	29.82	1	7 a. m.	30.28	21	9 p. m.	29.29
	[illegible]lington, [Frost]	29.85	1	2 p. m.	30.36	21	2 p. m.	29.26
	[illegible]mbertville	30.04	1	2 and 9	30.50	21	2 p. m.	29.48
	[illegible]wark (*h*)	29.88	1	7 a. m.	30.34	21	6 p. m.	29.31
Pennsylvania	[illegible]lford (*b*)	29.12	12	7 a. m.	29.91	3	2 p. m.	28.81
	[illegible]rlisle	29.14	1	7 a. m.	29.64	21	9 p. m.	28.55
	[illegible]romedale	29.82	1	7 a. m.	30.31	21	9 p. m.	29.19
	[illegible]ttysburg	29.41	1	7 a. m.	*i* 29.89	21	9 p. m.	28.82
	[illegible]rrisburg	29.71	1	7 a. m.	30.19	21	9 p. m.	29.13
	[illegible]wisburg	29.50	1	7 a. m.	30.03	21	9 p. m.	28.94
	[illegible]rrisville (*j*)	30.06	1	7 a. m.	*i* 30.53	21	2 p. m.	29.45
	[illegible]rristown	29.72	26	2 p. m.	30.11	21	2 p. m.	*k* 29.14
	[illegible]rth Whitehall	29.78	------	7 a. m.	30.20	------	2 p. m.	29.24
	[illegible]iladelphia	29.82	1	7 a. m.	30.27	21	9 p. m.	29.28
	[illegible]ttsburg	28.89	1	7 a. m.	29.32	22	7 a. m.	28.48

a Observations taken at 9 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Same height at 9 a. m. on the 26th, and at 9 p. m. on the 30th.
d Same height at 9 a. m. on the 26th.
e Same height at 9 a. m. on 1st, and at 9 p. m. on the 30th.
f Same height at 9 a. m. on the 1st.
g Same height at 2 p. m. on the 12th.
h Observations taken at 7 a. m. and 6 p. m.
i Same height at 2 p. m. on the 1st.
j Not corrected for temperature.
k Same height at 9 p. m. on the 21st.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Wisconsin	Waukesha (*a*)	29.21	31	7 a. m.	29.57	23	2 p. m.	28.78
Iowa	Dubuque	29.33	8	7 a. m.	29.68	6	7 a. m.	28.65
	Muscatine	29.52	31	7 a. m.	29.85	23	7 a. m.	*b* 29.19
	Quasqueton	29.15	31	7 a. m.	29.47	23	7 a. m.	28.78
California	Sacramento	29.98	1	2 p. m.	30.29	9	9 p. m.	29.67
	Stockton (*c*)	29.54	22	7 a. m.	29.82	9	9 p. m.	29.22
West Indies	Up Park Camp, Jamaica (*a*)	29.80	------	9½ a. m.	29.91	------	3½ p. m.	29.71
South America.	Catharina Sophia, Surinam (*a*)	29.78	19	2 p. m.	29.86	22	6 a. m.	29.71

a See notes to table of thermometer for this month.
b Same height at 2 p. m. on the 19th.
c Not corrected for temperature.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.61	10	9 a. m.	30.06	12	9 a. m.	29.14
	Montreal	29.79	1	7 a. m.	30.22	12	2 p. m.	29.35
	St. John's (*a*)	29.69	22	9 a. m.	29.95	18	9 a. m.	29.40
	St. Martin	29.78	1	7 a. m.	30.24	12	2 p. m.	29.27
	Toronto (*b*)	29.58	1	7 a. m.	30.06	12	2 p. m.	29.17
Maine	Carmel	29.59	26	7 a. m.	30.04	12	9 p. m.	29.21
	Gardiner	29.80	26	7 a. m.	30.25	12	2 p. m.	29.25
	Portland	29.80	26	2 p. m.	30.19	12	2 p. m.	29.21
	Steuben	29.90	26	7 a. m.	30.29	12	2 p. m.	29.32
New Hampshire	Concord	29.62	1	7 a. m.	*c* 30.02	12	2 p. m.	29.04
Vermont	Burlington	29.59	1	7 a. m.	30.07	12	2 p. m.	29.24
	Norwich	29.59	------	7 a. m.	30.05	------	9 p. m.	29.08
Massachusetts	Amherst	29.74	1	2 p. m.	30.22	12	2 p. m.	29.18
	Bridgewater (*b*)	29.88	1	7 a. m.	30.29	12	7 p. m.	29.34
	Cambridge (*b*)	29.90	1	Sunrise.	30.34	12	3 p. m.	29.33
	Nantucket	29.96	1	2 p. m.	30.36	12	9 p. m.	29.46
	New Bedford	29.88	1	7 a. m.	30.28	12	9 p. m.	29.38
	Newburyport	29.93	26	7 a. m.	30.37	6	9 p. m.	29.33
	North Attleborough	29.78	1	7 a. m.	30.20	12	2 p. m.	29.24
	Princeton	28.80	26	7 a. m.	*d* 29.19	12	2 p. m.	28.25
	Westfield	30.10	1	7 a. m.	30.46	12	2 p. m.	29.90
	Williamstown	29.23	1	7 a. m.	29.69	12	2 p. m.	28.69
	Worcester	29.45	26	7 a. m.	*e* 29.81	18	7 a. m.	29.07
Rhode Island	Providence (*b*)	29.77	1	10 p. m.	30.26	12	1 p. m.	29.24
Connecticut	Norwich	29.59	8	9 p. m	30.69	25	7 a. m.	29.26
	Pomfret	28.87	26	7 a m.	29.25	12	9 p. m	28.41
	Wallingford (*b*)	29.84	26	7 a. m.	30.25	12	1 p. m.	29.40
New York	Blackwell's Island	29.98	1	7 a. m.	30.46	21	7 a. m.	29.39
	Buffalo (*b*)	29.30	1	7 a. m.	29.80	12	7 a. m.	28.81
	Canton	29.39	1	7 a. m.	29.84	12	2 p. m.	28.90
	Fishkill Landing	30.14	1	7 a. m.	30 64	21	9 p. m.	29.57
	Flatbush	29.85	1	7 a. m.	*f* 30.34	21	2 p. m.	29.25
	Geneva	29.39	------	7 a. m.	29.88	------	2 p. m.	28.87
	Liberty	28.38	26	7 a. m.	28.77	21	9 p. m.	27.90
	New York city	29.94	1	7 a. m.	30.38	21	2 p. m.	29.35
	North Salem	29.57	------	7 a. m.	30.01	------	2 p. m.	29.06
	Oswego	29.23	1	2 p. m.	29.71	22	7 a. m.	28.78
	Ovid	28.84	1	7 a. m.	29.34	22	7 a. m.	*g* 28.39
	Penn Yan (*b*)	29.18	1	2 p. m.	29.59	22	Sunrise.	28.70
	Rochester, [Pratt]	29.42	1	7 a. m.	29.89	22	7 a. m.	28.97
	Sag Harbor	29.68	1	2 p. m.	30.11	12	9 p. m.	29.15
	Spencertown	29.31	1	7 a. m.	29.88	21	9 p. m.	28.75
New Jersey	Bloomfield	29.82	1	7 a. m.	30.28	21	9 p. m.	29.29
	Burlington, [Frost]	29.85	1	2 p. m.	30.36	21	2 p. m.	29.26
	Lambertville	30.04	1	2 and 9	30.50	21	2 p. m.	29.48
	Newark (*h*)	29.88	1	7 a. m.	30.34	21	6 p. m.	29.31
Pennsylvania	Bedford (*b*)	29.12	12	7 a. m.	29.91	3	2 p. m.	28.81
	Carlisle	29.14	1	7 a. m.	29.64	21	9 p. m.	28.55
	Chromedale	29.82	1	7 a. m.	30.31	21	9 p. m.	29.19
	Gettysburg	29.41	1	7 a. m.	*i* 29.89	21	9 p. m.	28.82
	Harrisburg	29.71	1	7 a. m.	30.19	21	9 p. m.	29.13
	Lewisburg	29.50	1	7 a. m.	30.03	21	9 p. m.	28.94
	Morrisville (*j*)	30.06	1	7 a. m.	*i* 30.53	21	2 p. m.	29.45
	Norristown	29.72	26	2 p. m.	30.11	21	2 p. m.	*k* 29.14
	North Whitehall	29.78	------	7 a. m.	30.20	------	2 p. m.	29.24
	Philadelphia	29.82	1	7 a. m.	30.27	21	9 p. m.	29.28
	Pittsburg	28.89	1	7 a. m.	29.32	22	7 a. m.	28.48

a Observations taken at 9 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Same height at 2 p. m. on the 26th, and at 9 p. m. on the 30th.
d Same height at 2 p. m. on the 26th.
e Same height at 2 p. m. on 1st, and at 9 p. m. on the 30th.
f Same height at 9 p. m. on the 1st.
g Same height at 2 p. m. on the 12th.
h Observations taken at 7 a. m. and 6 p. m.
i Same height at 2 p. m. on the 1st.
j Not corrected for temperature.
k Same height at 9 p. m. on the 21st.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Delaware	Newark, [Martin]	29.76	1	7 a. m.	30.22	3	2 p. m.	29.05
Maryland	Frederick	29.63	1	7 a. m.	30.14	21	9 p. m.	29.06
Dist. of Columbia	Washington	30.01	12	2 p. m.	30.57	21	9 p. m.	29.43
Virginia	Alexandria	29.97	1	7 a. m.	30.48	12	2 p. m.	29.40
	Portsmouth	29.66	1	7 a. m.	30.30	15	2 p. m.	29.15
	Winchester							
North Carolina	Chapel Hill	29.43	1	2 p. m.	29.81	21	9 p. m.	29.13
	Goldsborough	29.98	1	7 a. m.	30.38	22	7 a. m.	29.63
South Carolina	All Saints	29.97	1	7 a. m.	*a* 30.32	21	2 p. m.	29.60
	Camden	29.88	1	7 a. m.	30.28	21	2 p. m.	29.62
	Charleston, [Johnson]	30.14	12	7 a. m.	30.37	1	7 a. m.	29.83
	Charleston, [Dawson]				30.42			29.77
	Edisto Island	30.06	27	2 p. m.	30.24	29	9 p. m.	29.84
	St. John's (*b*)	30.15	26	2 p. m.	30.50	22	Sunrise.	29.74
Georgia	Savannah	30.03	1	7 a. m.	30.36	21	2 p. m.	29.69
	Sparta	29.38	1	7 a. m.	29.69	21	2 p. m.	29.12
	Thomaston	29.41	27	7 a. m.	29.60	12	9 p. m.	29.17
Florida	Atsena	30.14	13	7 a. m.	*c* 30.30	20	2 p. m.	29.85
	Jacksonville	30.10	1	2 p. m.	30.35	19	9 p. m.	29.76
	Salt Ponds (*d*)	29.73	13	2 p. m.	29.87	21	7 a. m.	29.53
	Warrington	30.02	9	7 a. m.	*e* 30.22	22	9 p. m.	29.81
Alabama	Auburn	29.36	1	7 a. m.	29.59	21	9 p. m.	29.09
Mississippi	Columbus	29.78	9	7 a. m.	30.06	22	9 p. m.	29.43
	Oxford	29.51	9	7 a. m.	29.75	22	2 p. m.	29.12
Texas	New Braunfels (*d*)	28.76	10	7 a. m.	29.20	22	9 p. m.	28.48
	Washington	30.01		2 p. m.	30.57		9 p. m.	29.43
Tennessee	Glenwood	29.52	1	7 a. m.	29.79	22	9 p. m.	29.17
Kentucky	Ballardsville	29.03	1	7 a. m.	29.34	15	2 p. m.	28.61
	Paris	29.11	1	7 a. m.	29.50	12	2 p. m.	28.75
	Springdale	29.43	10	7 a. m.	29.76	22	9 p. m.	29.12
Ohio	Cincinnati, [Harper]	29.44	1	7 a. m.	29.85	22	2 p. m.	29.11
	Cleveland	29.16	10	7 a. m.	29.54	22	7 a. m.	28.76
	Dayton, [Fisher]	29.15	1	7 a. m.	29.58	22	2 p. m.	28.71
	Germantown, [Groneweg]	29.17	1	7 a. m.	29.58	15	2 p. m.	28.84
	Granville	28.92	1	7 a. m.	29.33	22	7 a. m.	*f* 28.53
	Hillsborough	28.81	1	7 a. m.	29.21	12	2 p. m.	28.48
	Oberlin	29.05	10	7 a. m.	29.51	12	2 p. m.	28.60
	Urbana	28.72	10	2 p. m.	29.14	12	2 p. m.	28.36
	Zanesville, [Holston]	29.09	1	7 a. m.	29.52	22	7 a. m.	28.75
Michigan	Ann Arbor, [Woodruff]	29.05	10	7 a. m.	29.55	12	7 a. m.	28.60
	Battle Creek	29.02	10	7 a. m.	29.48	12	7 a. m.	28.60
	Detroit	29.48	10	7 a. m.	29.95	22	2 p. m.	29.06
	Romeo, [Andrews] (*b*)	29.01	10	7 a. m.	29.44	12	7 a. m.	28.56
Indiana	New Albany	29.49	1	7 a. m.	29.82	22	2 p. m.	29.21
	New Harmony	29.60	10	7 a. m.	29.94	15	2 p. m.	29.25
	Richmond	28.98	10	7 a. m.	29.40	12	2 p. m.	28.65
Illinois	Manchester (*b*)	28.65	13	7 a. m.	29.12	15	2 p. m.	28.29
	Upper Alton	29.38	10	7 a. m.	29.81	15	7 a. m.	29.00
Missouri	St. Louis	29.39	10	7 a. m.	29.83	15	7 a. m.	29.00
Wisconsin	Appleton	28.94	10	7 a. m.	29.46	2	2 p. m.	*g* 28.38
	Beloit	29.11	10	7 a. m.	29.62	12	7 a. m.	28.60
	Kenosha (*h*)	29.37						
	Madison, [Schue]	28.99	10	7 a. m.	29.52	15	2 p. m.	28.42
	Milwaukee, [Winkler]	29.19	10	7 a. m.	29.80	22	2 p. m.	28.42
	Racine, [Seymour] (*i*)	29.30	10	9 a. m.	29.80	2	9 a. m.	28.86
	Superior	29.24	19	2 p. m.	29.72	2	7 a. m.	28.67
	Waukesha	29.06	10	7 a. m.	29.61	2	2 p. m.	28.34

a Same height at 2 p. m. on the 1st.
b See notes to table of thermometer for this month.
c Same height at 2 p. m. on the 13th.
d Not corrected for temperature.
e Same height at 2 p. m. on the 9th.
f Same height at 2 p. m. on the 12th.
g Same height at 9 p. m. on the 2d.
h Observations very much interrupted.
i Observations taken at 9 a. m. and 9 p. m.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Iowa	Dubuque	29.16	10	7 a. m.	29.66	2	7 a. m.	28.61
	Muscatine	29.35	9	9 p. m.	29.84	15	7 a. m.	28.85
	Quasqueton (*a*)	28.91	13	7 a. m.	29.55	2	7 a. m.	28.41
California	Sacramento	29.98	2	7 a. m.	30.24	12	2 p. m.	29.67
	Stockton (*b*)	29.53	1	7 a. m.	*c* 29.72	12	7 a. m.	*d* 29.25
South America	Catharina Sophia, Surinam (*a*)	29.75	5	2 p. m.	29.82	18	2 p. m.	29.67

a See notes to table of thermometer for this month.
b Not corrected for temperature.
c Same height at 7 a. m. on the 2d and 5th.
d Same height at 2 and 9 p. m. on the 12th, and at 7 a. m. on the 13th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.63	6	9 a. m.	29.95	28	9 a. m.	29.22
	Montreal	29.70	1	7 a. m.	30.20	28	2 p. m.	29.14
	St. Martin	29.70	1	7 a. m.	30.16	28	2 p. m.	29.09
	Toronto (*a*)	29.59	5	10 p. m.	29.97	28	6 a. m.	29.12
Maine	Carmel	29.52	14	7 a. m.	30.02	28	2 p. m.	29.10
	Gardiner	29.72	14	7 a. m.	30.22	28	9 p. m.	29.20
	Portland	29.75	1	7 a. m.	30.18	28	2 p. m.	29.21
	Steuben	29.78	15	7 a. m.	30.22	28	9 p. m	29.27
New Hampshire	Concord (*a*)	29.55	14	7 a. m.	30.04	28	2 p. m.	29.01
Massachusetts	Amherst	29.66	1	7 a. m.	30.14	28	2 p. m.	29.09
	Bridgewater (*a*)	29.78	14	7 a. m.	30.33	28	7 p. m.	29.29
	Cambridge	29.84	14	2 p. m.	30.35	28	2 p. m.	29.30
	Nantucket	29.92	14	7 a. m.	30.37	18	9 p. m.	29.45
	New Bedford	29.81	14	7 a. m.	30.29	28	2 p. m.	*b* 29.34
	Newburyport	29.89	14	7 a. m.	30.39	28	2 p. m.	29.34
	North Attleborough	29.70	14	7 a. m.	30.20	29	2 p. m.	29.15
	Princeton	28.74	14	7 a. m.	29.23	28	2 p. m.	28.21
	Westfield	30.07	1	7 a. m.	30.41	29	7 a. m.	29.88
	Williamstown (*a*)	29.38	1	7 a. m.	29.63	28	2 p. m.	28.64
	Worcester	29.36	14	7 a. m.	29.84	28	2 p. m.	28.91
Rhode Island	Providence (*a*)	29.69	1	6 a. m.	30.20	28	1 p. m.	29.19
Connecticut	Norwich	29.88	14	7 a. m.	30.44	1	7 a. m.	29.38
	Pomfret	28.82	1	7 a. m.	29.27	28	2 p. m.	28.38
	Wallingford	29.79	6	7 a. m.	30.31	28	2 p. m.	29.27
New York	Blackwell's Island	29.91	22	7 a. m.	30.43	28	2 p. m.	29.40
	Canton	29.35	1	7 a. m.	29.77	28	2 p. m.	28.83
	Fishkill Landing	30.05	1	7 a. m.	30.55	28	2 p. m.	29.59
	Flatbush	29.79	1	7 a. m.	30.26	28	2 p. m.	29.27
	Geneva	29.34	------	7 a. m.	29.72	------	7 a. m.	28.82
	New York city	29.91	14	7 a. m.	30.32	28	2 p. m.	29.40
	North Salem	29.54	------	7 a. m.	29.98	1	2 p. m.	29.04
	Oswego	29.19	6	7 a. m.	29.60	28	7 a. m	28.71
	Ovid	28.80	6	7 a. m.	29.18	28	7 a. m.	28.31
	Penn Yan (*a*)	29.20	6	Sunrise.	29.56	28	Sunrise.	28.71
	Pompey Hill	28.15	------	9 p. m.	28.47	------	7 a. m.	27.73
	Rochester, [Pratt]	29.39	5	9 p. m.	29.76	28	7 a. m.	28.94
	Sag Harbor (*a*)	29.64	6	7 a. m.	*c* 30.03	9	7 a. m.	29.29
	Spencertown	29.21	1	7 a. m.	29.65	28	2 p. m.	28.65
New Jersey	Bloomfield	29.76	14	9 p. m.	30.23	28	2 p. m.	29.25
	Burlington	29.79	6	7 a. m.	30.16	28	2 p. m.	29.38
	Lambertville	29.99	1	7 and 2	30.35	28	2 p. m.	29.56
	Newark (*d*)	29.82	6	7 a. m.	*e* 30.28	5	7 a. m,	29.25
Pennsylvania	Bedford	29.06	14	7 a. m.	29.33	28	7 a. m.	28.70
	Carlisle	29.11	6	7 a. m.	29.47	29	2 p. m.	28.65
	Chromedale	29.77	1	7 a. m.	30.18	28	2 p. m.	29.32
	Easton	29.60	22	7 a. m.	29.91	28	2 p. m.	29.29
	Gettysburg	29.34	1	7 a. m.	29.71	28	7 a. m.	28.96
	Harrisburg	29.66	6	7 a. m.	30.02	29	2 p. m.	29.24
	Lewisburg	29.46	6	7 a. m.	29.85	28	7 a. m.	29.02
	Morrisville (*f*)	30.03	1	7 a. m.	30.45	28	2 p. m.	29.55
	Norristown	29.58	6	7 a. m.	30.03	28	2 p. m.	29.07
	Philadelphia	29.79	1	7 a. m.	30.15	28	2 p. m.	29.39
	Pittsburg	28.84	31	7 a. m.	*g* 29.12	29	7 a. m.	*h* 28.54
	Somerset	27.59	22	7 a. m.	27.83	29	2 p. m.	27.28
Delaware	Newark, [Martin] (*a*)	29.78	6	7 a. m.	30.10	28	7 a. m.	29.40
Maryland	Frederick	29.59	6	7 a. m.	29.97	29	2 p. m.	29.18
Dist. of Columbia	Washington	29.95	6	7 a. m.	30.34	29	2 p. m.	29.55
Virginia	Alexandria	29.93	6	7 a. m.	30.28	28	7 a. m.	29.57

a See notes to table of thermometer for this month.
b Same height at 9 p. m. on the 28th.
c Same height at 2 p. m. on the 14th.
d Observations taken at 7 a. m. and 6 p. m.
e Same height at 6 p. m. on the 23d.
f Not corrected for temperature.
g Same height at 2 p. m. on the 31st.
h Same height at 2 p. m. on the 29th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1856.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Virginia	Portsmouth (*a*)	29.58	31	7 a. m.	*b* 29.90	29	7 a. m.	*c* 29.30
North Carolina	Chapel Hill	29.37	31	7 a. m.	29.65	29	9 p. m.	29.14
	Goldsborough	29.88	31	7 a. m.	30.20	28	2 p. m.	29.53
South Carolina	All Saints	29.86	31	9 p. m.	30.16	19	7 a. m.	29.52
	Camden	29.78	31	7 a. m.	30.07	19	2 p. m.	29.43
	Charleston, [Dawson]	------	------	------	30.29	------	------	29.74
	Charleston, [Johnson]	30.06	15	7 a. m.	30.33	8	7 a. m.	29.79
	Edisto Island (*d*)	29.99	13	7 a. m.	30.10	18	9 p. m.	29.82
	St. John's	30.05	31	2 p. m.	30.34	20	Sunrise.	29.75
Georgia	Savannah	29.91	31	9 p. m.	30.17	18	2 p. m.	29.53
	Sparta	29.27	14	7 a. m.	29.46	19	2 p. m.	28.99
	Thomaston (*d*)	29.40	1	7 a. m.	*e* 29.60	21	7 a. m.	29.20
Florida	Atsena (*d*)	29.74	31	9 p. m.	30.01	20	7 a. m.	29.46
	Jacksonville	29.96	31	9 p. m.	30.21	18	2 p. m.	29.59
	St. Augustine (*d*)	29.98	31	10 p. m.	30.21	18	2 p. m.	29.61
	Salt Ponds (*a*)	29.62	6	2 p. m.	29.75	20	7 a. m.	29.37
	Warrington	29.88	10	7 a. m.	30.03	19	2 p. m.	29.66
Alabama	Auburn	29.23	31	9 p. m.	29.41	18	2 p. m.	28.92
	Greensborough (*d*)	29.54	23	7 a. m.	29.74	20	2 p. m.	29.39
Mississippi	Columbus	29.75	31	7 a. m.	29.91	17	2 p. m.	29.46
	Oxford	29.44	31	7 a. m.	29.67	17	2 p. m.	29.22
Texas	New Braunfels (*a*)	28.70	8	2 p. m.	28.94	4	9 p. m.	28.44
Tennessee	Glenwood	29.46	31	7 a. m.	29.71	17	2 p. m.	29.12
Kentucky	Ballardsville	29.00	31	9 p. m.	29.31	17	9 p. m.	28.73
	Paris	29.07	31	2 p. m.	*f* 29.31	18	7 a. m.	*g* 28.81
	Springdale	29.40	31	2 p. m.	29.63	17	9 p. m.	29.12
Ohio	Bellefontaine	29.76	5	7 a. m.	29.84	19	2 p. m.	29.55
	Cincinnati, [Harper]	29.40	31	7 a. m.	29.73	1	9 p. m.	29.11
	Cleveland	29.16	22	2 p. m.	29.40	29	7 a. m.	*h* 28.86
	Dayton, [Fisher]	29.13	31	7 a. m.	29.41	17	2 p. m.	28.82
	Germantown, [Groneweg]	29.14	31	7 a. m.	29.43	17	2 p. m.	28.82
	Granville	28.86	31	7 a. m.	29.18	28	2 p. m.	28.51
	Hillsborough	28.78	31	7 a. m.	29.06	17	2 p. m.	28.50
	Oberlin	29.06	31	7 a. m.	29.31	27	9 p. m.	28.70
	Urbana	28.68	31	7 a. m.	28.93	29	7 a. m.	*i* 28.40
	Zanesville, [Holston]	29.06	31	2 p. m	29.33	29	7 a. m.	*h* 28.79
Michigan	Ann Arbor, [Woodruff]	29.03	4	7 a. m.	29.32	27	2 p. m.	28.62
	Detroit	29.49	28	7 a. m.	*j* 29.73	27	7 a. m.	29.16
	Romeo, [Andrews] (*d*)	29.02	21	9 p. m.	*k* 29.29	27	9 p. m.	28.62
Indiana	New Albany	29.43	31	9 p. m.	29.66	17	9 p. m.	29.12
	New Harmony	29.56	31	7 a. m.	29.81	17	2 p. m.	29.21
	Richmond	28.97	31	2 p. m.	29.21	17	2 p. m.	28.68
Illinois	Manchester (*d*)	28.68	31	7 a. m.	*l* 28.96	1	7 a. m.	*m* 28.35
	Upper Alton	29.39	26	7 a. m.	29.67	1	7 a. m.	29.03
Missouri	St. Louis	29.45	31	7 a. m.	29.72	1	7 a. m.	29.09
Wisconsin	Appleton	29.00	25	7 a. m.	29.26	27	2 p. m.	28.59
	Beloit	29.14	25	7 a. m.	29.39	1	9 p. m.	28.73
	Kenosha (*n*)	29.43	------	------	------	------	------	------
	Manitowoc	29.72	------	------	29.99	------	------	29.26
	Milwaukee, [Winkler]	29.25	25	7 a. m.	29.49	2	7 a. m.	*o* 28.83
	Racine, [Seymour] (*p*)	29.32	25	9 a. m.	29.50	1	9 p. m.	28.95
	Superior	29.32	25	7 a. m.	*q* 29.60	1	9 p. m.	29.01
	Waukesha	29.12	11	7 a. m.	29.47	1	7 a. m.	*o* 28.70

a Not corrected for temperature.
b Same height at 2 p. m. on the 31st.
c Same height at 7 a. m., 2 and 9 p. m. on the 3d; 2 and 9 p. m. on the 28th, and 2 p. m. on the 29th.
d See notes to table of thermometer for this month.
e Same height at 2 and 9 p. m. on the 1st.
f Same height at 9 p. m. on the 31st.
g Same height at 9 p. m. on the 17th and 2 p. m. on the 18th.
h Same height at 9 p. m. on the 27th.
i Same height at 9 p. m. on the 17th.
j Same height at 7 a. m. on the 22d and at 2 p. m. on the 5th.
k Same height at 9 p. m. on the 4th.
l Same height at 7 a. m. on the 26th.
m Same height at 1 p. m. on the 1st.
n Observations very much interrupted.
o Same height at 9 p. m. on the 1st.
p Observations taken at 9 a. m. and 9 p. m.
q Same height at 7 a. m. on the 4th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Iowa	Dubuque	29.21	30	7 a. m.	29.46	1	9 p. m.	28.75
	Muscatine	29.38	26	7 a. m.	29.61	1	2 p. m	29.00
	Quasqueton (*a*)	29.05	25	7 a. m.	29.26	14	9 p. m.	28.83
California	Sacramento	29.89	31	7 a. m.	30.08	19	2 p. m.	29.65
	Stockton (*b*)	29.45	11	7 a. m.	*c* 29.60	19	2 p. m	*d* 29.20
South America	Catharina Sophia, Surinam (*a*)	29.75	25	2 p. m.	29.83	7	6 p. m.	29.65

a See notes to table of thermometer for this month.
b Not corrected for temperature.
c Same height at 2 and 9 p. m. on the 20; 7 a. m. and 2 and 9 p. m. on the 27th; 7 a. m. and 2 and 9 p. m. on the 28th, and 7 a. m. and 2 and 9 p. m on the 31st.
d Same height at 9 p. m. on the 21st.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Hamilton (*a*)	29. 62	21	9 p. m.	29. 87	29	9 p. m.	29. 35
	Montreal	29. 79	6	7 a m.	30. 20	4	9 p m.	29. 22
	St. John's (*a*)	29. 65?	------	------	------	------	------	------
	St. Martin	29. 65	5	9 p m.	30. 01	29	2 p. m.	29. 20
	Toronto (*b*)	29. 55	23	6 a m.	29. 78	29	2 p m.	29. 21
Maine	Carmel (*b*)	29. 58	6	7 a m.	30. 05	29	9 p. m.	29. 18
	Gardiner	29. 72	6	7 a m.	30. 17	29	2 p. m.	29. 33
	Portland	29. 77	6	7 a. m.	30. 22	29	2 p. m.	29. 36
	Steuben	29. 84	6	7 a. m.	30. 36	30	7 a. m.	*c* 29. 43
New Hampshire	Concord	29. 57	6	7 a. m.	29. 99	29	2 p m.	29. 19
Vermont	Norwich	29. 57	6	7 a. m	29. 98	29	2 p m.	29. 18
Massachusetts	Amherst	29. 69	6	7 a. m.	30. 05	29	2 p. m.	29. 32
	Bridgewater (*b*)	29. 79	1	7 a m.	30. 24	29	7 p. m.	29. 45
	Cambridge (*b*)	29. 88	6	Sunrise	30. 28	30	Sunrise	29. 53
	Nantucket	29. 93	6	7 a. m.	30. 23	29	9 p. m	29. 64
	New Bedford	29. 84	6	7 a. m.	30. 18	29	9 p. m.	29. 50
	Newburyport	29. 89	6	7 a m.	30. 33	30	2 p m.	29. 47
	North Attleborough	29. 74	6	7 a m.	30. 13	29	2 p. m.	29. 40
	Princeton	28. 80	6	7 a. m.	29. 14	29	9 p. m.	28 48
	Westfield	30. 04	6	7 a. m.	30. 33	26	2 p. m.	29. 90
	Williamstown	29. 20	6	6½ a. m.	29. 53	29	2 p. m.	28. 88
	Worcester	29. 41	5	9 p. m.	29. 74	29	9 p. m.	29. 10
Rhode Island	Providence (*b*)	29. 71	6	6 a. m.	30. 08	29	1 p. m.	29. 38
Connecticut	Norwich	29. 91	5	9 p. m.	30. 25	29	2 p. m.	29. 58
	Pomfret	28. 86	6	7 a m.	29. 17	29	9 p. m.	28. 56
	Wallingford	29. 81	6	7 a m	*d* 30. 13	29	9 p. m.	29. 49
New York	Blackwell's Island	29. 97	1	7 a. m.	30. 24	29	9 p. m.	29. 68
	Canton	29. 33	6	7 a. m.	*e* 29. 59	29	9 p m.	28. 97
	Flatbush	29. 80	1	7 a. m.	30. 12	29	9 p. m.	29. 50
	Geneva	29. 34	------	2 p. m.	29. 54	------	2 p. m.	29. 03
	Lowville (*f*)	28. 98	------	7 a. m.	29. 91	------	2 p. m.	28. 64
	New York city	29. 94	1	7 a. m.	30. 19	29	9 p. m.	29. 66
	North Salem	29. 56	------	7 a m.	29. 93	------	9 p. m.	29. 25
	Oswego	29. 19	23	7 a. m.	*g* 29. 43	29	2 p. m.	28. 89
	Ovid	28. 82	6	7 a. m.	29. 01	30	7 a. m.	28. 60
	Penn Yan (*b*)	29. 22	6	2 p m.	29. 44	29	9 p. m.	28. 95
	Pompey Hill	28. 20	------	2 p. m.	28. 44	------	2 p. m.	27. 96
	Rochester, [Pratt]	29. 37	23	7 a. m.	29. 59	29	2 p. m.	29. 09
	Spencertown	29. 23	6	7 a. m.	*e* 29. 58	29	2 p. m.	*h* 28. 95
	Utica	29. 34	6	7 a m.	29. 63	29	2 p. m.	29. 03
New Jersey	Bloomfield	29. 78	6	7 a. m.	*e* 30. 04	30	2 p. m.	29. 52
	Burlington	29. 78	1	7 a. m.	30. 08	30	7 a. m.	*i* 29. 56
	Lambertville	30. 01	1	7 a. m.	30. 24	29	9 p m.	29. 82
	Newark (*j*)	29. 85	1	7 a. m.	30. 12	8	7 a. m	29. 46
Pennsylvania	Bedford	29. 07	1	7 a. m.	29. 31	9	7 a. m	28. 92
	Canonsburg	28. 71	2	2 p. m.	29. 35	8	2 p m.	28. 42
	Carlisle	29. 14	1	7 a. m.	29. 37	29	2 p. m.	28. 93
	Chromedale	29. 78	1	7 a. m.	30. 07	29	9 p. m	29. 53
	Easton	29. 69	1	7 a. m.	29. 92	14	9 p. m.	29. 51
	Gettysburg	29. 37	1	7 a. m	29. 63	29	9 p. m	29. 15
	Harrisburg	29. 67	1	7 a. m.	29. 94	29	9 p. m.	29. 41
	Lewisburg	29. 46	1	7 a. m.	29. 73	29	2 p. m.	29. 22
	Morrisville (*k*)	30. 03	1	7 a. m.	30. 30	14	2 p. m	*i* 29. 80
	Norristown	29. 57	21	9 p. m.	29. 83	9	2 p. m.	*l* 29. 37
	Pittsburg	28. 89	1	7 a. m.	29. 08	8	7 a. m	*m* 28. 71
	Somerset	27. 64	22	7 a. m.	27. 85	8	2 p. m.	27. 44

a Observations taken at 9 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Same height at 2 p. m. on the 16th.
d Same height at 9 p. m. on the 5th.
e Same height at 2 p. m. on the 6th.
f For the last half of the month only.
g Same height at 2 p. m. and 9 p. m. on the 23d.
h Same height at 2 p. m. on the 30th.
i Same height at 9 p. m. on the 29th.
j Observations taken at 7 a. m. and 6 p. m.
k Not corrected for temperature.
l Same height at 9 p. m. on the 14th.
m Same height at 2 p. m. on the 8th and at 9 p. m. on the 29th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Maryland	Frederick	29.64	1	7 a. m.	29.88	9	2 p. m.	29.41
Dist. of Columbia	Washington	29.96	1	7 a. m	30.24	14	2 p. m.	29.72
Virginia	Alexandria	29.94	1	7 a. m.	30.21	14	9 p. m.	29.74
	Portsmouth	29.78	1	7 a. m	30.14	14	7 a. m.	*a* 29.54
North Carolina	Chapel Hill	29.40	1	2 p. m.	29.69	9	2 p. m	29.18
South Carolina	All Saints	29.94	1	7 a. m.	*b* 30.20	15	7 a. m	29.74
	Camden	29.82	1	7 a. m.	30.09	14	9 p. m.	29.63
	Charleston, [Johnson]	30.08	28	7 a. m.	30 31	11	7 a. m.	29.86
	Charleston, [Dawson]				30.40			29.97
	Edisto Island (*c*)	30.05	1	6 a. m.	*d* 30.23	15	6 a. m.	29.92
	St. John's (*c*)	30.13	21	2 p. m.	30.38	15	Sunrise	29.90
Georgia	Savannah	29.99	22	7 a. m.	30.25	9	2 p. m.	29.82
	Sparta	29.33	22	7 a. m.	29.53	9	2 p. m.	29.18
	Thomaston (*c*)	29.47	29	7 a. m.	29.65	12	7 a. m.	29.30
Florida	Atsena	29.92	22	2 p. m.	30.13	15	7 a. m	29.80
	Jacksonville	30.04	22	7 a m.	30.30	15	9 p. m	29.88
	St. Augustine	30.11	22	7 a. m.	30.38	14	9 p. m.	29.94
	Salt Ponds (*e*)	29.74	22	2 p. m.	29.90	11	7 a. m.	29.66
	Warrington	29.98	22	2 p. m.	30.21	10	9 p. m.	*f* 29.83
Alabama	Auburn	29.33	22	7 a. m.	29.59	9	2 p. m.	*g* 29.16
	Greensborough	29.61	22	7 a m.	29.87	9	9 p. m.	29.40
Mississippi	Columbus	29.75	22	7 a. m.	30.03	8	9 p. m.	29.55
	Oxford	29.50	22	7 a. m	29.75	7	9 p. m.	29.28
Texas	New Braunfels (*e*)	28.65	22	7 a. m.	28.88	9	7 a. m	*h* 28.53
Tennessee	Glenwood	29.52	22	7 a m	29.80	9	7 a. m.	29.30
	Walnut Grove (*c*)	28.54	22	7 a. m.	28.66	22	2 p. m.	28.44
Kentucky	Ballardsville	29.05	1	9 p. m.	29.29	9	2 p. m.	28.88
	Paris	29.13	22	7 a. m.	29.38	8	2 p. m.	28.94
	Springdale	29.47	22	7 a. m.	*i* 29.70	9	7 a. m.	29.29
Ohio	Cincinnati, [Harper]	29.45	1	7 a. m.	29.71	29	2 p. m.	29.24
	Cleveland	29.23	22	7 a. m.	*j* 29.44	13	2 p. m.	29.04
	Dayton, [Fisher]	29.18	22	7 a. m.	29.40	12	7 a. m	28.90
	Germantown, [Groneweg]	29.16	22	7 a. m.	29.41	29	2 p. m.	28.96
	Germantown, [Binkerd]	29.11	1	7 a. m.	29.47	29	2 p. m.	28.93
	Granville	28.93	22	7 a. m.	29.16	8	2 p. m.	28.66
	Hillsborough	28.82	22	7 a. m.	29.07	8	2 p. m.	*k* 28.67
	Oberlin	29.05	22	7 a. m.	29.24	29	2 p. m.	28.80
	Urbana	28.71	22	7 a. m.	28.94	8	2 p. m.	28 52
	Zanesville, [Holston]	29.09	1	7 a. m.	29.30	8	7 a. m.	28.89
Michigan	Ann Arbor, [Woodruff]	29.00	21	2 p. m.	29.27	29	2 p. m.	28.77
	Battle Creek	29.01	22	7 a. m.	29.22	29	2 p. m.	28.79
	Detroit	29.45	4	7 a. m.	29.75	29	9 p. m.	29.17
	Romeo, [Andrews]	28.97	1	9 p. m.	29.16	29	9 p. m.	28.70
Indiana	New Albany	29.46	22	7 a. m.	29.69	9	7 a. m.	*l* 29.30
	New Harmony	29.60	22	7 a. m.	29.85	9	7 a. m	29.38
Illinois	Manchester	28.67	22	7 a m.	28.87	29	2 p. m.	*m* 28.49
	Upper Alton	29.39	22	7 a m.	29.62	28	2 p. m	29.15
Missouri	Palmyra	29.34	22	9 a m	29.55	29	Sunrise	*n* 29.11
	St. Louis	29.46	22	7 a. m.	29.71	8	9 p. m.	29.26
Wisconsin	Appleton	28.89	30	9 p. m.	29.14	29	2 p. m.	*n* 28.58
	Beloit	29.11	30	9 p. m.	29.32	29	2 p. m.	28.84
	Kenosha (*o*)	29.41						
	Madison, [Schue]	28.95	30	9 p. m.	29.18	28	9 p. m.	28.67
	Milwaukee, [Winkler]	29.20	30	9 p. m.	29.42	29	2 p. m	*n* 28.95

a Same height at 2 p. m. on the 14th.
b Same height at 2 p. m. and 9 p. m. on the 1st.
c See notes to table of thermometer for this month.
d Same height at 6 a m. on the 22d.
e Not corrected for temperature.
f Same height at 9 p. m. on the 11th.
g Same height at 9 p. m. on the 9th.
h Same height at 2 p. m. on the 11th and at 9 p. m. on the 8th
i Same height at 2 p. m. on the 21st.
j Same height at 9 p. m. on the 21st.
k Same height at 9 p. m. on the 7th.
l Same height at 2 p. m. on the 9th.
m Same height at 9 p. m. on the 8th.
n Same height at 9 p. m. on the 28th.
o Observations very much interrupted.

No. 7.--BAROMETER, CORRECTED TO 32° F., JUNE, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Wisconsin	Racine, [Seymour] (*a*)	29.27	------	9 p. m.	29.49	------	9 p. m.	29.07
	Superior	29.18	22	2 p. m.	29.56	29	7 a. m.	28.74
Iowa	Dubuque	29.18	30	9 p. m.	29.38	29	2 p. m.	28.82
	Muscatine	29.35	1	7 a. m.	29.70	29	7 a. m.	29.12
	Quasqueton (*b*)	28.99	22	7 a. m.	29.17	3	2 p. m.	28.83
California	Sacramento	29.85	2	7 a. m.	30.12	23	9 p. m.	29.63
	Stockton (*c*)	29 45	2	7 a. m.	*d* 29.70	20	2 p m.	*e* 29.25
South America	Catharina Sophia, Surinam (*b*)	29.75	13	6 a. m.	29.83	19	6 p. m.	29.67
	Colonia Tovar, Venezuela (*b*)	23.93	28	7 a. m.	24.00	24	2 p. m.	23.88

a Observations taken at 9 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Not corrected for temperature.
d Same height at 2 p. m. on the 2d.
e Same height at 2 p. m. and 9 p. m. on the 15th and at 9 p. m. on the 20th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.69	22	9 a. m.	29.91	12	9 a. m.	29.37
	Montreal	29.83	9	7 a. m.	30.10	18	2 p. m.	29.54
	St John's (*a*)	29.70	31	9 a. m.	29.86	13	9 p. m.	29.34
	St. Martin	29.67	22	9 p. m.	29.99	18	2 p. m.	29.35
	Toronto (*b*)	29.59	22	6 a. m.	29.84	12	2 p. m.	29.24
Maine	Carmel	29.50	22	9 p. m.	29.77	19	2 p. m.	29.25
	Gardiner	29.70	9	7 a. m.	*c* 30.00	19	7 a. m.	29.41
	Portland	29.77	8	9 p. m.	30.08	19	2 p. m.	29.47
	Steuben	29.80	9	7 a. m.	30.15	1	7 a. m.	29.41
New Hampshire	Concord	29.58	2	7 a. m.	29.84	18	9 p. m.	29.27
Vermont	Shelburn (*d*)	29.47	22	7 a. m.	29.78	18	2 p. m.	29.13
Massachusetts	Amherst	29.70	22	7 a. m.	29 95	12	2 p. m.	29.39
	Bridgewater (*b*)	29.80	22	7 a. m.	30.09	18	7 p. m.	29.51
	Cambridge (*b*)	29.88	22	7 a. m.	30.13	18	2 p. m.	29 56
	Nantucket	29.93	23	7 a. m.	30.18	4	2 p. m.	29.64
	New Bedford	29.85	22	9 p. m.	30.12	4	2 p. m.	29.56
	Newburyport	29.90	22	7 a. m.	30.19	18	9 p. m.	29.60
	North Attleborough	29.76	23	7 a. m.	*e* 30.02	12	2 p. m.	29.45
	Princeton	28.82	22	7 a. m.	*e* 29.06	3	9 p. m.	28.46
	Westfield	30.07	22	7 a. m.	*f* 30.24	4	7 a. m.	*g* 29.99
	Williamstown (*b*)	29.24	22	6½ a. m.	29.49	4	6½ a. m.	28.97
	Worcester	29.42	22	7 a. m.	29.66	12	2 p. m.	29.15
Rhode Island	Providence (*b*)	29.76	24	6 a. m.	29.99	4	1 p. m.	29.47
Connecticut	Norwich	29.93	22	9 p. m.	30.18	12	7 a. m.	*h* 29.62
	Pomfret	28.88	23	7 a. m.	29.11	6	2 p. m.	28.59
	Wallingford	29.83	2	7 a. m.	30.07	12	7 a. m.	29.50
New York	Beverly (*d*)	29.73	21	2 p. m.	30.20	12	7 a. m.	29.43
	Blackwell's Island	29.99	22	7 a. m.	*e* 30.23	12	7 a. m.	29.66
	Clinton	28.93	23	7 a. m.	29.14	12	2 p. m.	28.67
	Flatbush	29.80	23	7 a. m.	30.09	14	7 a. m.	29.33
	Fordham	29.73	23	7 a. m.	29.97	12	7 a. m.	29.39
	Geneva	29.39	------	7 a. m.	29.61	------	2 p. m.	29.03
	Lowville	29.03	------	7 a. m.	29.24	------	2 p. m.	28.78
	New York city	29.96	23	7 a. m.	30.16	12	7 a. m.	29.63
	North Salem	29.58	------	9 p. m.	29.91	------	7 a. m.	29.24
	Oswego	29.26	1	9 p. m.	29.49	3	9 p. m.	29.02
	Ovid	28.87	24	7 a. m.	29.11	12	2 p. m.	28.52
	Penn Yan (*b*)	29.27	22	9 p. m.	29.51	12	2 p. m.	28.94
	Pompey Hill	28.26	------	9 p. m.	28.47	------	2 p. m.	28.00
	Rochester, [Pratt]	29.44	1	7 a. m.	29.66	12	2 p. m.	29.15
	Sag Harbor	29.64	23	7 a. m.	*i* 29.88	12	7 a. m.	29.31
	Spencertown	29.26	22	7 a. m.	29.50	4	7 a. m.	28.98
	Utica	29.37	22	7 a. m.	29.63	12	2 p. m.	29.12
New Jersey	Bloomfield	29.79	23	7 a. m.	30.03	12	7 a. m.	29.46
	Burlington, [Schmidt]	29.80	24	7 a. m.	30.04	12	7 a. m.	29.53
	Lambertville	30.04	24	7 and 2	30.24	12	7 a. m.	29.73
	Newark (*j*)	29.85	23	7 a. m.	*k* 30.09	12	7 a. m.	29.52
Pennsylvania	Bedford	29.12	22	7 a. m.	29.40	12	2 p. m.	28.83
	Canonsburg	28.79	22	7 a. m.	29.05	12	2 p. m.	28.50
	Carlisle	29.19	24	7 a. m.	29.42	12	2 p. m.	28.90
	Chromedale	29.81	24	7 a. m.	30.05	4	7 a. m.	29.53
	Easton	29.72	23	7 a. m.	29.94	12	2 p. m.	29.46
	Gettysburg	29.42	22	7 a. m.	*l* 29.65	12	2 p. m.	29.12
	Harrisburg	29.72	23	7 a. m.	*m* 29.93	12	2 p. m.	29.46
	Lewisburg	29.51	23	7 a. m.	29.77	12	2 p. m.	29.21
	Morrisville (*n*)	30.06	22	7 a. m.	*o* 30.27	12	7 a. m.	29.75

a Observations taken at 7 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Same height at 9 p. m. on the 8th of this month.
d For the last 23 days of the month only.
e Same height at 9 p. m. on the 22d.
f Same height at 7 a. m. on the 23d.
g Same height at 7 a. m. on the 13th, and 7 a. m. on the 31st.
h Same height at 2 p. m. on the 12th.
i Same height at 9 p. m. on the 23d.
j Observations taken at 7 a. m. and 6 p. m.
k Same height at 7 a. m. on the 2d.
l Same height at 7 a. m. on the 23d and 24th.
m Same height at 7 a. m. on the 24th.
n Not corrected for temperature.
o Same height at 2 p. m. on the 22d.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.72	23	7 a. m.	29.98	12	7 a. m.	29.41
	Philadelphia	29.71	2	7 a. m.	30.00	30	2 p. m.	29.45
	Pittsburg	28.94	21	7 a. m.	*a* 29.16	12	2 p. m.	28.65
Maryland	Frederick	29.69	24	7 a. m.	29.95	12	2 p. m.	29.40
Dist. of Columbia	Washington	29.99	24	7 a. m.	30.25	12	2 p. m.	29.71
Virginia	Alexandria	29.97	24	7 a. m.	30.22	4	7 a. m.	29.71
	Portsmouth	30.03	21	7 a. m.	*b* 30.19	4	7 a. m.	29.74
North Carolina	Chapel Hill	29.43	24	7 a. m.	29.65	12	2 p. m.	29.18
South Carolina	All Saints	29.95	23	2 p. m.	30.18	12	2 p. m.	29.71
	Camden	29.84	22	7 a. m.	30.06	12	2 p. m.	29.56
	Charleston, [Johnson]	30.17	22	7 a. m.	*c* 30.35	12	7 a. m.	29.95
	Charleston, [Dawson]				30.36			29.95
	St. John's (*d*)	30.16	22	2 p. m.	30.37	12	Sunrise.	29.88
Georgia	Savannah	30.00	27	7 a. m.	30.20	12	2 p. m.	29.75
	Sparta	29.34	27	7 a. m.	29.52	12	2 p. m.	29.14
	Thomaston	29.29	22	7 a. m.	*e* 29.48	11	2 p. m.	*f* 29.05
Florida	Atsena	29.94	29	9 p. m.	30.15	11	9 p. m.	29.66
	Jacksonville	30.09	27	7 a. m.	30.32	11	2 p. m.	29.81
	St. Augustine	30.12	27	7 a. m.	30.33	11	2 p. m.	29.84
	Salt Ponds	29.77	28	2 p. m.	29.87	8	7 a. m.	29.64
	Warrington	30.00	27	2 p. m.	30.20	11	9 p. m.	29.73
Alabama	Auburn	29.32	22	7 a. m.	*g* 29.48	12	2 p. m.	29.04
	Greensborough	29.62	27	7 a. m.	29.81	12	9 p. m.	29.34
Mississippi	Columbus	29.78	27	7 a. m.	29.96	11	9 p. m.	29.52
Texas	New Braunfels (*h*)	28.64	24	7 a. m.	*i* 28.80	10	2 p. m.	*j* 28.53
Tennessee	Glenwood	29.55	21	7 a. m.	29.76	11	9 p. m.	*k* 29.23
	Walnut Grove (*d*)	28.42	24	7 a. m.	28.65	12	2 p. m.	28.16
Kentucky	Ballardsville	29.07	21	2 p. m.	29.27	11	9 p. m.	28.76
	Millersburg	29.32	23	9 p. m.	29.55	11	9 p. m.	29.07
	Paris	29.16	22	7 a. m.	29.41	11	2 p. m.	*l* 28.84
	Springdale	29.37	22	9 p. m.	29.71	11	9 p. m.	29.04
Ohio	Cincinnati, [Harper]	29.29	1	7 a. m.	29.62	12	2 p. m.	28.88
	Cleveland	29.30	23	2 p. m.	29.50	12	7 a. m.	28.97
	Dayton, [Fisher]	29.20	21	7 a. m.	29.45	12	7 a. m.	28.87
	Germantown, [Groneweg]	29.18	21	7 a. m.	29.47	11	2 p. m.	28.85
	Germantown, [Binkerd]	29.11	21	7 a. m.	29.37	12	7 a. m.	28.80
	Granville	28.98	21	7 a. m.	29.22	11	9 p. m.	28.54
	Hillsborough	28.87	21	7 a. m.	*m* 29.10	11	9 p. m.	28.53
	Oberlin	29.21	24	7 a. m.	29.35	12	7 a. m.	28.63
	Urbana	28.78	20	9 p. m.	29.03	12	7 a. m.	28.42
Michigan	Battle Creek	29.08	21	7 a. m.	29.37	12	7 a. m.	28.68
	Detroit	29.52	24.	7 a. m.	*n* 29.85	12	7 a. m.	*o* 29.09
	Romeo, [Andrews] (*d*)	29.04	21	9 p. m.	29.32	12	7 a. m.	28.61
Indiana	New Harmony	29.62	21	7 a. m.	29.88	11	9 p. m.	29.30
	Richmond	28.96	21	7 a. m.	29.26	11	2 p. m.	28.66
Illinois	Manchester (*d*)	28.70	21	7 a. m.	*p* 28.95	11	7 a. m.	28.36
	Upper Alton	29.44	21	7 a. m.	29.70	11	2 p. m.	29.11
Missouri	Palmyra	29.37	20	9 a. m.	*q* 29.64	11	Sunrise.	*r* 29.05
	St. Louis	29.51	19	7 a. m.	29.77	12	7 a. m.	29.18
Wisconsin	Appleton	28.96	20	7 a. m.	29.27	12	7 a. m.	*l* 28.59
	Beloit	29.17	20	7 a. m.	29.49	11	2 p. m.	28.75
	Kenosha (*s*)	29.47						

a Same height at 2 p. m. on the 21st.
b Same height at 9 p. m. on the 19th.
c Same height at 7 a. m. on the 23d, 28th, and 29th.
d See notes to table of thermometer for this month.
e Same height at 7 a. m. on the 23d, and at 7 a. m. on the 24th.
f Same height at 2 p. m. on the 12th.
g Same height at 7 a. m. on the 28th.
h Not corrected for temperature.
i Same height at 7 a. m. on the 25th.
j Same height at 2 and 9 p. m. on the 11th, 12th, and 13th.
k Same height at 2 p. m. on the 11th.
l Same height at 9 p. m. on the 11th.
m Same height at 7 a. m. on the 23d.
n Same height at 7 a. m. on the 29th.
o Same height at 7 a. m. on the 27th.
p Same height at 7 a. m. on the 22d.
q Same height at 7 a.m. on the 21st.
r Same height at 2 p. m. on the 11th and 12th.
s Observations very much interrupted.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Wisconsin	Madison, [Schue]	29.03	20	7 a. m.	*a* 29.34	11	2 p. m.	28.61
	Milwaukee, [Winkler]	29.28	20	7 a. m.	*b* 29.59	11	9 p. m.	28.87
	Racine, [Seymour] (*c*)	29.33	20	9 a. m.	29.63	11	9 a. m.	28.97
	Superior	29.24	20	7 a. m.	29.56	17	7 a. m.	28.95
	Waukesha	29.10	20	2 p. m.	29.48	29	2 p. m.	28.66
Iowa	Muscatine	29.44	21	7 a. m.	*d* 29.67	11	7 a. m.	*e* 29.13
California	Sacramento	29.84	22	7 a. m.	30.04	8	2 p. m.	*f* 29.71
	Stockton	29.42	5	7 a. m.	29.60	8	7 a. m.	*g* 29.30
South America	Catharina Sophia, Surinam (*h*)	29.77	13	2 p. m.	*i* 29.82	1	2 p. m.	*j* 29.69
	Colonia Tovar, Venezuela	23.93	17	7 a. m.	23.99	1	2 p. m.	23.87

a Same height at 2 p. m. on the 20th.
b Same height at 9 p. m. on the 21st.
c Observations taken at 9 a. m. and 9 p. m.
d Same height at 7 a. m. on the 22d.
e Same height at 2 and 9 p. m. on the 11th.
f Same height at 9 p. m. on the 7th.
g Same height at 2 and 9 p. m. on the 7th, 8th, and 9th, 7 a. m. and 2 and 9 p. m. on the 12th, and 2 and 9 p. m. on the 24th.
h See notes to table of thermometer for this month.
i Same height at 6 p. m. on the 12th.
j Same height at 6 a. m. on the 1st, and 6 p. m. on the 18th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Hamilton (*a*)	29.61	31	9 p. m.	29.93	19	9 p. m.	29.25
	Montreal	29.81	31	9 p. m.	30.18	12	9 p. m.	29.59
	St. John's (*b*)	29.74½	9	9 p. m.	29.96	15	9 p. m.	29.52
	St. Martin	29.65	31	9 p. m.	29.98	21	7 a. m.	*c* 29.40
	Toronto (*a*)	29.52	26	6 a. m.	*d* 29.76	19	10 p. m.	29.17
Maine	Gardiner	29.68	1	9 p. m.	30.19	21	7 a. m.	29.39
	Portland	29.73	27	9 p. m.	30.04	21	7 a. m.	29.40
	Steuben	29.82	28	7 a. m.	30.17	22	7 a. m.	29.47
New Hampshire	Concord (*e*)	29.57	31	9 p. m.	29.77	7	7 a. m.	29.36
Vermont	Norwich (*a*)	29.54	1	7 a. m.	29.71	20	2 p. m.	29.33
	Shelburn	29.41	31	9 p. m.	29.80	21	7 a. m.	29.05
Massachusetts	Amherst	29.64	28	7 a. m.	29.96	21	7 a. m.	29.19
	Bridgewater (*a*)	29.76	28	7 a. m.	30.08	21	7 a. m.	29.24
	Cambridge (*a*)	29.81	28	Sunrise	30.16	21	Sunrise.	29.30
	Nantucket	29.85	27	9 p. m.	30.28	21	7 a. m.	29.45
	New Bedford	29.78	28	7 a. m.	30.13	21	7 a. m.	29.22
	Newburyport	29.86	28	7 a. m.	30.18	21	7 a. m.	29.38
	North Attleborough	29.68	31	9 p. m.	29.96	21	7 a. m.	29.15
	Princeton	28.75	27	9 p. m.	29.07	21	7 a. m.	28.27
	Westfield	30.02	27	7 a. m.	30.27	21	7 a. m.	29.87
	Williamstown (*a*)	29.15	27	9 p. m.	29.45	20	6½ a. m.	28.68
	Worcester	29.36	27	9 p. m.	29.72	21	9 p. m.	28.82
Rhode Island	Providence (*a*)	29.68	28	6 a. m.	30.04	21	6 a. m.	29.13
Connecticut	Norwich	29.85	27	9 p. m.	30.20	21	7 a. m.	29.34
	Pomfret	28.78	28	7 a. m.	29.06	21	7 a. m.	28.33
	Wallingford	29.76	27	9 p. m.	30.10	20	9 p. m.	29.25
New York	Beverly (*f*)	29.63	1	7 a. m.	*g* 29.85	20	9 p. m.	29.19
	Blackwell's Island	29.87	28	9 p. m.	30.29	20	2 p. m.	29.36
	Buffalo (*a*)	29.36	31	9 p. m.	29.56	19	2 and 9	28.90
	Cazenovia	28.48	31	9 p. m.	28.77	20	2 p. m.	28.12
	Fishkill Landing (*a*)	30.03	19	7 a. m.	30.50	20	9 p. m.	29.60
	Flatbush	29.73	27	9 p. m.	30.10	20	2 p. m.	29.22
	Geneva	29.32	------	9 p. m.	29.62	------	7 a. m.	28.95
	Lowville	28.94	------	9 p. m.	29.28	------	7 a m.	28.62
	New York city	29.89	27	7 a. m.	30.18	20	2 p. m.	29.37
	North Salem	29.50	------	7 a. m.	29.81	------	9 p. m.	29.00
	Oswego	29.19	31	9 p. m.	29.50	20	2 p. m.	*h* 28.71
	Ovid	28.81	31	9 p. m.	29.09	20	7 a. m.	28.40
	Penn Yan (*a*)	29.20	31	9 p. m.	29.50	20	7 a. m.	28.83
	Rochester, [Pratt]	29.36	31	9 p. m.	29.67	20	9 p. m.	29.03
	Sag Harbor	29.57	27	9 p. m.	29.92	21	7 a. m.	29.06
	Spencertown	29.23	27	7 a. m.	29.64	20	2 p. m.	28.78
	Utica	29.34	31	9 p. m.	29.62	21	7 a m.	29.02
New Jersey	Bloomfield	29.69	27	7 a. m.	30.01	20	9 p. m.	29.25
	Burlington, [Schmidt]	29.74	27	7 a. m.	30.04	20	2 p. m.	29.33
	Lambertville	29.94	27	9 p. m.	30.22	20	2 p. m.	29.50
	Newark (*i*)	29.77	31	6 p. m.	30.14	20	6 p. m.	29.34
Pennsylvania	Bedford	29.03	27	7 a. m.	29.33	20	7 a. m.	*j* 28.75
	Canonsburg	28.74	17	2 p. m.	29.38	19	2 p. m.	28.32
	Carlisle	29.11	27	7 a. m.	29.40	20	7 a. m.	28.75
	Chromedale	29.74	27	7 a. m.	30.06	20	7 a. m.	29.28
	Easton	29.63	27	7 a. m.	29.93	20	7 a. m.	29.22
	Gettysburg	29.34	27	7 a. m.	29.65	20	7 a. m.	28.96
	Harrisburg	29.64	27	7 a. m.	29.93	20	7 a. m.	29.23
	Lewisburg	29.44	27	7 a. m.	29.76	20	7 a. m.	29.05
	Morrisville (*k*)	29.98	27	7 a. m.	*l* 30.25	20	7 a. m.	*m* 29.50
	Norristown	29.62	27	7 a. m.	29.95	20	7 a. m.	29.17

a See notes to table of thermometer for this month.
b Observations taken at 9 a. m. and 9 p. m. Not reported from the 26th to the 19th of the month.
c Same height at 9 p m. on the 28th of the month.
d Same height at 6 a. m. on the 27th.
e Observations interrupted from the 19th to the 28th of the month.
f For the first 26 days of the month only.
g Same height at 7 a. m. on the 2d.
h Same height at 9 p. m. on the 20th.
i Observations taken at 7 a. m. and 6 p. m.
j Same height at 2 p. m. on the 19th.
k Not corrected for temperature.
l Same height at 2 and 9 p. m. on the 27th.
m Same height at 2 p. m. on the 20th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST. 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Pennsylvania	Philadelphia	29.57	27	7 a. m.	29.85	20	7 a. m.	29.16
	Pittsburg	28.88	26	7 a. m.	29.07	19	2 p. m.	28.45
	Somerset	27.61	27	7 a. m.	27.79	19	9 p. m.	27.27
Maryland	Frederick	29.63	27	7 a. m.	29.90	19	9 p. m.	29.25
Dist. of Columbia	Washington	29.92	27	7 a. m.	30.23	20	7 a. m.	29.54
Virginia	Alexandria	29.90	27	7 a. m.	30.20	20	2 p. m.	29.48
	Ruthven	29.56	28	7 a. m.	*a* 29.86	19	9 p. m	29.23
North Carolina	Chapel Hill	29.37	28	7 a. m.	29.59	19	9 p. m.	29.09
	Goldsborough	29.89	28	7 a. m.	30.19	19	9 p. m.	29.57
South Carolina	All Saints	29.89	27	9 p. m.	30.10	19	9 p. m.	29.62
	Camden	29.77	27	9 p. m.	30.00	19	2 p. m.	29.52
	Charleston, [Johnson]	30.13	29	7 a. m.	30.27	20	7 a. m.	29.95
	Charleston, [Dawson]				30.29			29.88
	Edisto Island (*b*)	30.01	27	2 p. m.	*a* 30.13	20	7 a. m.	*c* 29.88
	St. John's (*b*)	30.07	27	2 p. m.	30.30	20	Sunrise.	29.81
Georgia	Savannah	29.93	27	9 p. m.	30.08	31	9 p. m.	29.62
	Sparta	29.29	28	7 a. m.	*d* 29.41	31	9 p. m.	28.99
	Thomaston (*b*)	29.20	28	9 p. m.	29.38	31	2 p. m.	28.69
Florida	Atsena	29.85	1	2 p. m.	30.03	31	7 a. m.	*e* 29.55
	Jacksonville	30.00	1	7 a. m.	30.17	20	2 p. m.	29.80
	St. Augustine	30.04	6	7 a. m.	30.22	20	2 p. m.	29.83
	Salt Ponds (*f*)	29.69	16	2 p. m.	29.84	28	7 a. m.	29.33
	Warrington	29.96	2	7 a. m.	30.11	31	7 a. m.	29.53
Alabama	Auburn	29.27	23	7 a. m.	29.47	31	2 p. m.	28.89
	Greensborough (*b*)	29.67	2	7 a. m.	*g* 29.79	19	9 p. m.	29.54
Mississippi	Columbus	29.70	17	7 a. m.	29.87	13	2 p. m.	29.54
Texas	New Braunfels (*f*)	28.57	17	7 a. m.	28.70	13	9 p. m.	28.43
Tennessee	Glenwood (*b*)	29.50	17	7 a. m.	29.66	18	9 p. m.	29.23
	Walnut Grove	28.39	26	9 p. m.	28.57	19	7 a. m.	28.14
Kentucky	Ballardsville	29.03	26	7 a. m.	29.20	19	7 a. m.	28.75
	Millersburg	29.22	28	7 a. m.	29.48	19	7 a. m.	28.88
	Paris	29.09	11	2 p. m.	29.36	19	7 a. m.	28.84
	Springdale	29.34	17	7 a. m.	29.53	19	7 a. m.	29.02
Ohio	Cincinnati, [Harper]	29.25	26	2 p. m.	29.60	19	7 a. m.	28.84
	Cleveland	29.22	30	9 p. m.	29.40	19	7 a. m.	*h* 28.80
	Dayton, [Fisher]	29.19	26	7 a. m.	29.37	19	7 a. m.	28.76
	Germantown, [Groneweg]	29.17	26	7 a. m.	29.38	19	7 a. m.	28.76
	Germantown, [Binkerd]	29.06	26	7 a. m.	29.23	19	7 a. m.	28.73
	Granville	28.94	17	7 a. m.	29.12	19	7 a. m.	28.50
	Hillsborough	28.82	17	7 a. m.	*i* 29.00	19	7 a. m.	28.46
	Oberlin (*b*)	29.03	26	7 a. m.	29.29	19	7 a. m.	28.60
	Urbana	28.73	16	9 p. m.	*j* 28.91	19	7 a. m.	28.30
Michigan	Battle Creek	29.06	31	9 p. m.	29.28	19	7 a. m.	28.73
	Detroit	29.50	5	7 a. m.	29.87	19	7 a. m.	29.05
	Romeo, [Andrews] (*b*)	28.99	32	9 p. m.	29.32	19	7 a. m.	*h* 28.63
Indiana	New Harmony	29.60	26	7 a. m.	29.79	18	9 p. m.	29.31
	Richmond	28.95	26	7 a. m.	29.11	19	7 a. m.	28.53
Illinois	Manchester (*b*)	28.71	26	7 a. m.	28.96	18	9 p. m.	28.44
	Upper Alton	29.40	26	7 a. m.	29.60	28	7 a. m.	29.04
Missouri	Palmyra	29.39	25	9 a. m.	29.60	18	3 p. m.	29.11
	St. Louis	29.52	26	7 a. m.	29.71	18	2 p. m.	29.31
Wisconsin	Appleton	28.96	31	9 p. m.	29.25	19	7 a. m.	28.72
	Beloit	29.17	31	9 p. m.	29.44	18	9 p. m.	28.92
	Kenosha (*k*)	29.47						
	Madison, [Schue]	29.05	31	9 p. m.	29.35	18	9 p. m.	28.78
	Manitowoc (*l*)	29.75			30.04			29.29
	Milwaukee, [Winkler]	29.28	31	2 p. m.	*j* 29.54	18	9 p. m.	28.97

a Same height at 9 p. m. on the 27th.
b See notes to table of thermometer for this month.
c Same height at 9 p. m. on the 19th.
d Same height at 9 p. m. on the 17th.
e Same height at 9 p. m. on the 30th.
f Not corrected for temperature.
g Same height at 7 a. m. on the 17th.
h Same height at 2 p. m. on the 19th.
i Same height at 2 p. m. on the 26th.
j Same height at 9 p. m. on the 31st.
k Observations very much interrupted.
l Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Wisconsin	Superior	29.29	25	7 a. m.	29.62	1	2 p. m.	28.89
	Waukesha	28.76	5	7 a. m.	*a* 29.05	19	2 p. m.	*b* 28.44
Iowa	Muscatine	29.43	31	9 p. m.	29.68	18	2 p. m.	29.11
California	Sacramento	29.83	29	7 a. m.	29.99	13	2 p. m.	29.66
Mexico	Vera Cruz (*c*)	29.92	17	9 a. m.	30.04	13	2 p. m.	29.76
South America	Catharina Sophia, Surinam (*d*)	29.72	1	2 p. m.	*e* 29.79	21	.....	29.65
	Colonia Tovar, Venezuela	23.91	1	9 p. m.	23.98	14	2 p. m.	23.83

a Same height at 7 a. m. on the 5th.
b Same height at 9 p. m. on the 19th.
c For the last 20 days only.
d See notes to table of thermometer for this month.
e Same height at 6 p. m. on the 14th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.66	1	9 a. m.	30.00	30	9 p. m.	29.20
	Montreal	29.91	1	7 a. m.	30.32	30	9 p. m.	29.47
	St. John's (*a*)	29.76	30	9 a. m.	30 20	17	9 a. m.	29.00
	St. Martin	29.74	4	2 p. m.	30.19	30	9 p. m.	29.28
	Toronto (*b*)	29.60	1	2 p. m.	29.97	30	10 p. m.	29.15
	Wolfville	29.70	29	7 a. m.	30.04	24	2 p. m.	29.22
Maine	Carmel (*b*)	29.58	29	9 p. m.	29.84	24	2 p. m.	29.13
	Gardiner	29.80	1	7 a. m.	30.05	11	9 p. m.	29.02
	Portland	29.86	1	7 a. m.	30.13	24	2 p. m.	29.41
	Steuben	29.91	29	7 a. m.	30.18	15	9 p. m.	29.33
New Hampshire	Concord	29.66	1	7 a. m.	29.96	24	7 a. m.	29.21
Vermont	Norwich	29.65	3	7 a. m.	29.92	24	7 a. m.	29.26
	Shelburn	29.55	1	7 a. m.	30.02	30	9 p. m.	28.90
Massachusetts	Amherst	29.76	1	7 a. m.	30.09	30	9 p. m.	29.31
	Bridgewater (*b*)	29.88	1	7 a. m.	30.16	24	7 p. m.	29.47
	Cambridge (*b*)	29.94	1	7 a. m.	30.26	24	7 a. m.	29.51
	Nantucket	30.01	1	2 p. m.	30.26	23	9 p. m.	29.66
	New Bedford	29.92	1	7 a. m.	30.18	24	7 a. m.	29.50
	Newburyport	29.99	1	7 a. m.	30.30	24	7 a. m.	29.53
	North Attleborough	29.84	1	7 a. m.	30.13	24	7 a. m.	29.40
	Princeton	28.88	1	7 a. m.	29.17	24	7 a. m.	28.46
	Westfield	30.10	1	7 a. m.	30.38	24	7 a. m.	29.95
	Williamstown	29.28	1	7 a. m.	29.60	30	9 p. m.	28.77
	Worcester	29.49	1	9 p. m.	29.72	24	2 p. m.	29.09
Rhode Island	Providence (*b*)	29.80	1	Sunrise.	30.14	24	Sunrise.	29.37
Connecticut	Norwich	30.00	1	7 a. m.	30.31	24	7 a. m.	29.58
	Pomfret	29.34	3	7 a. m.	29.65	24	7 a. m.	28.95
	Wallingford	29.88	1	7 a. m.	30.17	30	9 p. m.	29.43
New York	Blackwell's Island	30.01	5	7 a. m.	30.28	30	7 a. m.	29.55
	Buffalo	29.32	1	7 a. m.	29.65	30	9 p. m.	28.88
	Cazenovia	28.57	1	7 a. m.	28.89	30	2 p. m.	28.08
	Flatbush	29.87	5	7 a. m.	30.21	30	9 p. m.	29.41
	Geneva	29.39	------	7 a. m.	29.74	------	9 p. m.	29.01
	Lowville	29.04	------	7 a. m.	29.41	------	9 p. m.	28.56
	McGrawville	28.44	1	7 a. m.	28.85	30	7 a. m.	27.70
	New York city	30.00	5	7 a. m.	30.29	30	9 p. m.	29.56
	North Salem	29.63	------	9 p. m.	29.90	------	9 p. m.	29.14
	Oswego	29.27	1	7 a. m.	29.60	30	2 p. m.	28.84
	Ovid	28.89	2	7 a. m.	29.70	30	2 p. m.	*c* 28.42
	Penn Yan (*b*)	29.25	1	2 p. m.	29.60	30	2 p. m.	*d* 28.83
	Rochester, [Pratt]	29.44	1	7 a. m.	29.82	30	9 p. m.	29.03
	Sag Harbor	29.70	5	9 p. m.	29.96	30	9 p. m.	29.29
	Spencertown	29.44	1	7 a. m.	29.77	30	9 p. m.	28.93
	Utica	29.42	1	7 a. m.	29.77	24	7 a. m.	29.12
New Jersey	Bloomfield	29.82	1	7 a. m.	30.09	30	9 p. m.	29.33
	Burlington, [Schmidt]	29.86	5	7 a. m.	30.14	30	9 p. m.	29.43
	Lambertville	30.05	4	7 and 9	30.30	30	2 p. m.	29.60
	Newark (*e*)	29.93	5	7 a. m.	30.20	23	7 a. m.	29.44
Pennsylvania	Bedford	29.13	4	7 a. m.	29.39	30	2 p. m.	28.72
	Canonsburg	28.81	2	7 a. m.	29.07	30	2 p. m.	*c* 28.44
	Carlisle	29.22	5	7 a. m.	29.48	30	2 p. m.	28.76
	Chromedale	29.86	5	7 a. m.	30.16	30	2 p. m.	29.34
	Easton	29.75	4	7 a. m.	30.00	30	2 p. m.	29.26
	Gettysburg	29.45	5	7 a. m.	29.73	30	2 p. m.	29.01
	Harrisburg	29.77	4	7 a. m.	30.01	24	7 a. m.	29.53
	Lewisburg	29.53	5	7 a. m.	29.84	30	2 p. m.	29.03
	Morrisville (*f*)	30.08	4	7 a. m.	*g* 30.35	30	2 p. m.	29.54
	Norristown	29.75	5	7 a. m.	30.07	30	2 p. m.	29.25

a Observations taken at 9 a. m. and 9 p. m.
b See notes to table of thermometer for this month.
c Same height at 9 p. m. on the 30th.
d Same height at sunset on the 30th.
e Observations taken at 7 a. m. and 6 p. m.
f Not corrected for temperature for the first 15 days of the month.
g Same height at 2 and 9 p. m. on the 4th, and at 7 a. m. and 2 and 9 p. m. on the 5th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Pennsylvania	Philadelphia	29.69	5	7 a. m.	29.96	30	7 a. m.	29.31
	Pittsburg	28.96	2	7 a. m.	29.19	30	2 p. m.	28.59
	Somerset	27.68	5	7 a. m.	27.90	30	2 p. m.	*a* 27.31
Maryland	Frederick	29.73	2	7 a. m.	30.06	30	2 p. m.	29.28
	Ridge	29.93	5	7 a. m.	30.19	30	2 p. m.	29.43
Dist. of Columbia	Washington	30.03	5	7 a. m.	30.34	30	2 p. m.	29.54
Virginia	Alexandria	30.01	5	7 a. m.	30.31	30	2 p. m.	29.51
	Portsmouth (*b*)	29.95	17	7 a. m.	30.13	23	2 p. m.	29.73
	Ruthven	29.70	4	2 p. m.	*c* 29.93	30	7 a. m.	29.30
North Carolina	Chapel Hill	29.46	5	7 a. m.	29.69	30	2 p. m.	29.12
	Goldsborough	29.98	7	7 a. m.	30.26	30	2 p. m.	29.54
South Carolina	All Saints	30.00	4	2 p. m.	*d* 30.21	30	7 a. m.	29.65
	Camden	29.89	5	7 a. m.	30.12	1	7 a. m.	29.52
	Charleston, [Johnson]	30.09	6	7 a. m.	*e* 30.28	30	7 a. m.	29.77
	Charleston, [Dawson]	------	------	------	30.40	------	------	29.88
	Columbia	29.76	3	7 a. m.	30.35	29	9 p. m.	29.42
	Edisto Island	30.09	5	2 p. m.	*f* 30.23	30	2 p. m.	29.86
	St. John's (*g*)	30.15	5	2 p. m.	30.42	1	Sunrise	29.75
Georgia	Savannah	30.04	4	9 p. m.	30.24	23	2 p. m.	29.72
	Sparta	29.37	5	7 a. m.	29.53	29	2 p. m.	*h* 29.19
	Thomaston	29.29	5	7 a. m.	29.49	29	9 p. m.	29.05
Florida	Atsena	29.89	5	2 p. m.	30.06	23	2 p. m.	29.61
	Jacksonville	30.09	5	7 a. m.	30.26	23	7 a. m.	29.85
	St. Augustine	30.11	5	7 a. m.	*i* 30.30	23	2 p m.	29.77
	Salt Ponds	29.67	1	2 p. m.	29.80	24	7 a. m.	29.50
	Warrington (*g*)	29 99	7	7 a. m.	30.18	29	Sunset.	29.82
Alabama	Auburn	29.37	7	7 a. m.	29.54	29	2 p. m.	29.14
Mississippi	Columbus	29.84	24	7 a. m.	*j* 29.96	28	2 p. m.	29.66
	Natchez	29.89	17	7 a. m.	*k* 30.03	22	2 p. m.	*l* 29.77
	Port Gibson	29.87	25	7 a. m.	30.02	28	2 p. m.	29.69
Texas	New Braunfels (*m*)	28.70	24	7 a. m.	29.08	3	9 p. m.	28.50
Tennessee	Glenwood	29.59	24	7 a. m.	29.71	29	2 p. m.	29.36
	Knoxville	29.12	4	7 a. m.	29.30	30	7 a. m.	28.83
Kentucky	Ballardsville	29.11	2	7 a. m.	20.24	28	2 p. m.	28.83
	Paris	29.19	2	7 a. m.	29.36	28	2 p. m.	28.92
	Springdale	29.42	2	7 a. m.	29.56	29	2 p. m.	29.19
Ohio	Cincinnati, [Harper]	29.50	2	7 a. m.	29.69	28	2 p. m.	29.23
	Cleveland	29.23	1	2 p. m.	29.45	30	2 p. m.	28.85
	Dayton, [Fisher]	29.23	2	2 a. m.	29.44	28	2 p. m.	28.90
	Germantown, [Groneweg]	29.23	2	7 a. m.	29.43	30	2 p m.	28.96
	Granville	28.99	2	7 a. m.	29.21	30	7 a. m.	28.66
	Hillsborough	28.89	2	7 a. m.	29.08	30	2 p. m.	28.58
	Oberlin	29.10	2	7 a. m.	29.34	30	2 p. m	28.79
	Urbana	28.77	2	7 a. m.	28.97	28	2 p. m.	28.47
	West Bedford	28.54	20	9 p. m.	28.84	18	7 a. m.	*n* 28.28
Michigan	Battle Creek	29.08	1	7 a. m.	29.38	28	2 p. m.	28.80
	Detroit	29.49	1	7 a. m.	*o* 29.80	28	2 p. m.	29.17
	Romeo, [Andrews] (*g*)	29.03	1	7 a. m.	*p* 29.34	28	1 p. m.	28.67
Indiana	New Harmony	29.70	2	7 a. m.	29.84	28	7 a. m.	29.46
	Richmond	29.10	2	7 a. m.	29 18	7	2 p. m.	29.06
Illinois	Manchester (*g*)	28.78	1	7 a. m.	*q* 29.00	27	9 p. m.	28.56
Missouri	Palmyra	29.44	1	9 a. m.	29.68	31	3 p. m.	29.12
	St. Louis	29.58	21	7 a. m.	29.77	28	7 a. m.	29.39
Wisconsin	Appleton	28.93	3	7 a. m.	29.22	18	7 a. m.	28.53
	Beloit	29.19	1	7 a. m.	29.47	28	2 p. m.	28.88

a Same height at 9 p. m. on the 30th.
b For 11 days only—14th to 24th
c Same height at 9 p. m. on the 5th.
d Same height at 2 and 9 p. m on the 5th.
e Same height at 7 a. m. on the 7th.
f Same height at 9 p. m. on the 4th and 5th.
g See notes to table of thermometer for this month.
h Same height at 9 p. m. on the 29th.
i Same height at 9 p. m. on the 5th, and 2 p. m. on the 8th.
j Same height at 7 a. m. on the 25th.
k Same height at 9 p. m. on the 11th.
l Same height at 9 p. m. on the 20th.
m Not corrected for temperature.
n Same height at 2 p. m. on the 18th.
o Same height at 2 p. m. on the 1st.
p Same height at 9 p. m. on the 1st.
q Same height at 7 a. m. on the 23d and 24th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Wisconsin	Kenosha (*a*)	29.45	------	--------	----------	------	--------	--------
	Manitowoc	29.70	------	--------	30.08	------	--------	29.29
	Milwaukee, [Winkler]	29.26	1	7 a. m.	*b* 29.58	28	2 p. m.	28.90
	Superior	29.24	23	7 a. m.	29.64	18	7 a. m.	28.76
	Waukesha	28.72	1	7 a. m.	29.05	28	2 p. m.	28.41
Iowa	Muscatine	29.46	1	7 a. m.	*c* 29.71	17	2 p. m.	*d* 29.20
California	Sacramento	29.84	2	7 a. m.	30.07	19	2 p. m.	29.57
Mexico	Vera Cruz	29.97	8	7 a. m.	30.08	19	2 p. m.	29.82
South America	Catharina Sophia, Surinam (*e*)	29.71	14	2 p. m.	29.90	25	2 p. m.	*f* 29.64
	Colonia Tovar, Venezuela	23.89	7	9 p. m.	23.94	23	7 a. m.	23.85

a Observations very much interrupted.
b Same height at 2 p. m. on the 1st.
c Same height at 9 p. m. on the 21st.
d Same height at 9 p. m. on the 17th.
e See notes to table of thermometer for this month.
f Same height at 9 p. m. on the 24th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Hamilton (*a*)	20.73	15	9 a. m.	30.14	1	9 a. m.	29.25
	Montreal	29.99	15	7 a. m.	30.44	31	2 p. m.	29.47
	St. John's (*b*)	29.70?	------	------	------	------	------	------
	St. Martin	29.82	15	7 a. m.	30.25	28	9 p. m.	29.31
	Toronto (*a*)	29.72	15	7 a. m.	30.17	1	7 a. m.	29.22
	Wolfville	29.68	15	7 a. m.	30.33	31	2 p. m.	29.00
Maine	Carmel	29.61	17	7 a. m.	29.99	31	2 p. m.	29.10
	Gardiner	29.81	15	7 a. m.	30.19	28	2 p. m.	*c* 29.31
	Portland	29.90	15	7 a. m.	30.28	31	2 p. m.	29.37
	Steuben	29.92	17	9 p. m.	30.29	31	2 p m	29.35
New Hampshire	Concord	29.69	15	7 a. m.	30.07	31	2 p. m	29.22
Vermont	Norwich	29.71	15	7 a. m.	30.08	31	2 p. m.	29.23
	Shelburn	29.64	15	7 a. m.	30.07	30	2 p. m.	28.99
Massachusetts	Amherst	29.84	8	7 a. m.	30.24	31	9 p. m.	29.34
	Bridgewater (*a*)	29.97	25	2 p. m.	30.44	1	7 a. m.	29.50
	Cambridge (*a*)	29.98	15	7 a. m.	30.35	1	7 a. m.	29.51
	Nantucket	30.04	15	2 p. m.	30.34	31	7 a. m	*c* 29.60
	New Bedford	29.97	15	2 p. m.	30.31	1	7 a. m.	*c* 29.50
	Newburyport	30.03	15	7 a. m	30.39	31	2 p. m.	29.52
	North Attleborough	29.88	15	7 a. m.	30.22	31	2 p m.	29.40
	Princeton	28.90	8	7 a. m.	*d* 29.19	31	2 p. m.	28.40
	Westfield	30.14	15	7 a. m.	30.47	1	7 a. m.	29.92
	Williamstown	29.34	15	7 a. m.	29.70	1	7 a. m.	28.88
	Worcester	29.53	15	7 a. m.	29.86	1	7 a. m.	29.10
Rhode Island	Providence (*a*)	29.85	8	Sunrise.	30.18	1	Sunrise.	29.40
Connecticut	Norwich	30.05	8	7 a. m.	30.38	31	2 p. m.	29.61
	Pomfret	29.43	15	7 a. m.	29.75	31	2 p. m.	28.95
	Wallingford	29.95	15	7 a. m.	30.30	1	7 a m.	*e* 29.51
New York	Blackwell's Island	30.08	25	7 a. m.	30.41	1	9 p. m.	29.39
	Buffalo	29.43	15	7 a. m.	29.82	1	7 a m.	28.97
	Cazenovia	28.64	15	7 a. m.	29.01	30	2 p. m.	28.20
	Flatbush	29.94	15	9 p. m.	30.31	30	2 p. m.	29.50
	Geneva	29.55	------	7 a. m.	29.96	------	2 p. m.	29.07
	Lowville	29.12	------	7 a. m.	29.54	------	2 p. m.	28.47
	McGrawville	28.38	16	7 a. m.	28.80	31	9 p. m.	27.60
	New York city	30.08	15	2 p. m.	30.39	30	2 p. m.	29.70
	North Salem	29.69	------	7 a. m.	30.03	------	2 p. m.	29.27
	Oswego	29.38	15	7 a. m.	29.80	1	7 a. m.	*c* 28.96
	Ovid	28.95	15	7 a. m.	29.37	27	9 p. m.	28.50
	Penn Yan (*a*)	29.35	15	2 p. m.	29.74	1	7 a. m.	28.90
	Rochester, [Pratt]	29.55	15	7 a. m.	29.92	1	7 a. m.	29.11
	Sag Harbor	29.77	8	9 p. m.	30.06	1	7 a. m.	29.34
	Spencertown	29.43	8	7 a. m.	29.80	30	2 p. m.	28.92
New Jersey	Bloomfield	29.91	15	9 p. m.	30.20	30	2 p. m.	29.48
	Burlington, [Schmidt]	29.95	15	9 p. m.	30.19	1	7 a. m.	29.52
	Lambertville	30.08	15	2 and 9	30.43	30	2 p. m.	29.61
	Newark (*f*)	30.03	15	7 a. m.	30.32	30	6 p. m.	29.57
Pennsylvania	Bedford (*g*)	29.18	8	7 a. m.	*h* 29.43	30	9 p. m.	28.84
	Canonsburg	28.87	20	7 a. m.	*i* 29.13	1	7 a. m.	28.53
	Carlisle	29.30	15	9 p. m.	29.58	30	2 p. m.	28.84
	Chromedale	29.94	15	9 p. m.	30.24	30	2 p. m.	29.48
	Easton	29.82	15	7 a. m.	30.10	30	2 p. m.	29.41
	Gettysburg	29.55	15	2 p. m.	29.82	30	2 p. m.	29.08
	Harrisburg (*a*)	29.83	15	2 p. m.	30.13	30	2 p. m.	29.39
	Lewisburg	29.62	15	7 a. m.	29.94	30	2 p m.	29.19
	Morrisville	30.13	15	9 p. m.	30.43	30	2 p. m.	29.69
	Nazareth	29.52	15	9 p. m.	29.81	30	2 p. m.	29.08
	Norristown	29.85	15	9 p. m.	30.17	30	9 p. m	29.46

a See notes to table of thermometer for this month.
b Observations taken at 9 a. m. and 9 p. m. Not reported from the 11th to the 17th, nor after the 24th.
c Same height at 2 p. m. on the 31st of the month.
d Same height at 7 a. m., and at 2 and 9 p. m. on the 15th.
e Same height at 2 p. m. on the 28th.
f Observations taken at 7 a. m. and 6 p. m.
g Observations interrupted from the 14th to the 25th of the month.
h Same height at 7 a. m. on the 9th.
i Same height at 2 p. m. on the 15th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Pennsylvania	Philadelphia	29.78	8	7 a. m.	30.02	30	2 p. m.	29.37
	Pittsburg	29.01	15	7 a. m	29.29	30	7 a. m	28.69
	Somerset	27.71	15	2 p. m.	27.94	1	7 a. m.	27.34
Maryland	Frederick	29.82	15	9 p. m.	30.11	30	2 p. m.	29.33
	Ridge	29.98	25	7 a. m.	30.25	30	9 p. m.	29.58
Dist. of Columbia	Washington	30.06	15	9 p. m.	30.39	------	2 p. m	29.67
Virginia	Alexandria	30.09	15	9 p. m.	30.35	30	2 p. m.	29.68
	Portsmouth	30.13	2	9 p. m.	30.46	17	2 p. m.	29.68
	Ruthven	29.74	20	7 a. m.	29.99	30	9 p. m.	29.36
North Carolina	Chapel Hill	29.52	21	7 a. m.	29.72	30	9 p. m.	29.21
	Goldsborough	30.05	20	7 a. m.	30.29	30	9 p. m.	29.71
	Murfreesborough	29.41	19	7 a. m.	*a* 29.65	23	2 p. m.	29.08
South Carolina	All Saints	30.06	20	7 a. m.	*b* 30.25	14	9 p. m	29.80
	Camden	29.96	20	7 a. m	30.18	14	2 p. m.	29.66
	Charleston, [Johnson]	30.14	3	7 a. m.	*c* 30.31	14	7 a. m.	29.88
	Charleston, [Dawson]	----------	----------	----------	30.42	------	---------	29.97
	Columbia	29.84	25	7 a. m.	30.56	14	2 p. m,	29.50
	Edisto Island	30.10	4	7 a. m.	30.22	14	9 p. m.	29.92
	St. John's, (*d*)	30.17	20	2 p. m.	30.41	14	9 p. m	29.86
Georgia	Savannah	30.10	20	9 p. m.	30.29	14	2 p. m.	29.79
	Sparta	29.44	21	7 a. m.	29.63	14	2 p. m.	29.16
	Thomaston	29.33	21	7 a. m.	29.46	14	9 p. m	29.03
Florida	Atsena	29.90	4	7 a. m.	*e* 30.06	14	9 p. m.	29.72
	Jacksonville	30.14	3	7 a. m.	30.31	14	2 p. m.	29.84
	St. Augustine	30.15	4	7 a. m.	30.35	14	9 p. m.	29.92
	Salt Ponds (*f*)	29.67½	4	2 p. m.	29.82	12	7 a. m.	*g* 29.58
	Warrington (*d*)	30.04	3	noon.	*h* 30.16	14	Sunset.	29.80
Alabama	Auburn	29.42	21	7 a. m.	29.57	14	2 p. m.	29.12
	Greensborough	29.70	21	7 a. m.	29.89	14	7 a. m.	29.47
Mississippi	Columbus	29.87	21	7 a. m.	30.64	24	2 p. m.	29.63
	Natchez	29.86	16	7 a. m.	30.11	10	2 p. m.	29.63
	Port Gibson	29.91	16	7 a. m.	30.18	10	2 p. m.	*i* 29.68
Texas	New Braunfels (*f*)	28.83	16	7 a. m.	29.26	9	9 p. m.	28.52
Tennessee	Glenwood	29.55	3	7 a. m.	29.87	14	7 a. m.	29.21
	Knoxville	29.16	21	7 a. m.	29.40	14	7 a. m	*j* 28.86
Kentucky	Ballardsville	29.15	15	9 p. m	29.36	1	2 p. m.	*k* 28.90
	Millersburg	29.31	20	7 a. m.	29.51	1	7 a. m.	*l* 29.05
	Paris	39.24	20	7 a. m	*m* 29.44	1	2 p. m.	28.98
	Springdale	29.46	15	2 p. m.	*m* 29.70	1	2 p. m.	29.21
Ohio	Cincinnati, [Harper]	29.56	21	7 a. m.	*m* 29.79	29	9 p. m.	29.28
	Cleveland	29.25	15	7 a. m.	29.50	1	7 a m.	28.90
	College Hill	29.14	21	7 a. m.	29.45	29	9 p m	28.85
	Dayton, [Fisher]	29.27	15	2 p. m.	29.53	29	9 p. m.	29.00
	Germantown, [Groneweg]	29.29	15	7 a. m.	29.57	29	9 p. m.	29.98
	Germantown, [Binkerd]	29.20	15	7 a. m.	29.47	29	9 p. m.	28.92
	Granville	29.04	15	7 a. m	29.32	29	9 p m.	28.70
	Hillsborough	28.93	15	9 p. m.	29.17	1	2 p. m.	28.66
	Oberlin	29.20	15	2 p. m	29.50	29	9 p. m.	28.81
	Urbana	28.81	15	9 p. m.	39.10	2	7 a. m.	28.52
	West Bedford	28.53	15	7 a. m.	28.83	27	2 p m.	28.25
Michigan	Battle Creek	29.13	15	7 a. m.	29.56	1	7 a. m.	28.79
	Detroit	29.58	7	7 a. m.	29.79	1	2 p. m.	29.21
	Romeo, [Andrews] (*d*)	29.11	15	7 a. m.	29.50	1	7 a m.	28.68
Indiana	New Harmony	29.70	15	7 a. m.	30.02	24	2 p. m	29.37
	Richmond (*d*)	29.03	15	Sunrise.	29.27	29	2 p. m.	28.73
Illinois	Manchester (*d*)	28.79	15	7 a. m.	29.37	24	1 p. m.	28.39
	Cape Girardeau	29.69	15	Sunrise.	29.96	21	3 p. m.	29.30

a Same height at 7 a. m. on the 20th and 21st of the month.
b Same height at 9 p. m. on the 20th, and at 7 a. m. on the 21st.
c Same height at 7 a. m. on the 21st.
d See notes to table of thermometer for this month.
e Same height at 9 p. m. on the 20th.
f Not corrected for temperature.
g Same height at 7 a. m. on the 24th.
h Same height at noon on the 21st.
i Same height at 9 p. m. on the 9th.
j Same height at 2 p. m. on the 14th.
k Same height at 9 p. m. on the 1st.
l Same height at 2 p. m. on the 1st.
m Same height at 9 p m. on the 15th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Missouri	Palmyra	29.44	15	Sunrise.	29.90	21	3 p. m.	28.91
	St. Louis	29.59	15	7 a. m.	30.35	24	2 p. m.	29.14
Wisconsin	Appleton	29.02	14	2 p. m.	*a* 29.49	31	9 p. m.	28.66
	Beloit	29.22	15	7 a. m.	29.71	31	9 p. m.	28.83
	Kenosha (*b*)	29.53	------	--------	----------	------	--------	--------
	Manitowoc (*c*)	29.79	------	--------	30.30	------	--------	29.33
	Milwaukee, [Winkler]	29.33	15	7 a. m.	*d* 29.80	31	9 p. m.	28.95
	Racine, [Durham] (*e*)	29.30	15	2 p. m.	29.62	1	7 a. m.	*f* 28.87
	Superior	29.30	14	7 a. m.	30.01	25	7 a. m.	28.89
	Waukesha	28.80	14	9 p. m.	29.28	1	2 p. m.	28.46
Iowa	Muscatine	29.51	15	7 a. m.	29.96	24	2 p. m.	29.05
California	Sacramento	30.02	27	7 a. m.	30.29	1	9 p. m.	29.72
Mexico	Vera Cruz	30.03	16	10 a. m.	30.23	9	2 p. m.	29.79
West Indies	Port of Spain, Trinidad	29.87	6	7 a. m.	29.98	26	2 p. m.	29.74
South America	Catharina Sophia, Surinam (*g*)	29.68	5	6 p. m.	29.79	26	6 a. m.	*h* 29.61
	Colonia Tovar, Venezuela	23.88	4	9 p. m.	23.95	22	7 a. m.	23.80

a Same height at 7 a. m. on the 14th, and at 2 p. m. on the 15th.
b Observations very much interrupted
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Same height at 2 p. m. on the 15th.
e Not corrected for temperature.
f Same height at 2 p. m. on the 1st.
g See notes to table of thermometer for this month.
h Same height at 6 p. m. on the 21st, 22d, and 25th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.63	6	9 a. m	29.98	4	9 a. m.	29.15
	Montreal	29.96	6	7 a. m.	30.39	16	7 a. m.	29.20
	St. Martin	29.81	6	7 a. m.	30.24	4	9 p. m.	29.06
	Toronto (*a*)	29.64	6	7 a. m.	30.04	1	2 p. m.	29.07
	Wolfville	29.72	7	7 a. m.	30.49	5	7 a. m.	29.10
Maine	Carmel (*a*)	29.62	7	7 a. m.	*b* 30.16	29	9 p. m.	29.12
	Gardiner	29.81	6	9 p. m.	30.33	4	9 p. m.	29.30
	Portland	29.86	7	7 a. m.	30.40	4	9 p. m.	29.33
	Steuben	29.87	7	7 a. m.	30.48	5	7 a. m.	29.23
New Hampshire	Concord	29.67	7	7 a. m.	30.19	29	9 p. m.	29.15
Vermont	Norwich	29.66	6	9 p m.	30.11	4	9 p. m.	29.02
	Shelburn	29.59	6	9 p. m.	30.15	4	9 p. m.	28.70
Massachusetts	Amherst	29.78	6	9 p. m.	30.42	4	9 p. m.	29.16
	Bridgewater (*a*)	29.91	6	7 p. m.	30.42	29	7 p. m.	29.34
	Cambridge (*a*)	29.98	6	9 p. m.	30.54	29	9 p. m	29.40
	Nantucket	30.05	7	7 a. m.	30.64	29	9 p. m.	29.34
	New Bedford	29.94	7	7 a. m.	*b* 30.51	29	9 p. m.	29.27
	Newburyport	29.99	7	7 a. m.	30.56	26	9 p. m.	29.32
	North Attleborough	29.85	6	9 p. m.	30.41	29	9 p. m.	29.24
	Princeton	28.84	6	9 p. m.	29.35	29	2 p. m.	28.31
	Westfield	29.86	6	9 p. m.	30.29	29	2 p. m.	29.41
	Williamstown	29.29	7	7½ a. m.	29.75	29	9 p. m.	28.85
	Worcester	29.49	7	2 p. m.	30.22	29	2 p. m.	*c* 28.99
Rhode Island	Providence (*a*)	29.82	6	10 p. m.	30.40	29	10 p. m.	29.24
Connecticut	Norwich	30.00	7	7 a. m.	30.51	29	9 p. m.	29.42
	Pomfret	29.40	6	9 p. m.	29.92	29	9 p. m.	28.80
	Wallingford	29.92	7	7 a. m.	*b* 30.47	29	2 p. m.	29.29
New York	Blackwell's Island	30.08	6	9 p. m.	30.57	29	2 p. m.	29.34
	Buffalo	29.35	6	7 a. m.	29.74	4	2 p. m.	28.71
	Cazenovia	29.56	6	7 a. m.	28.96	29	2 p. m.	27.98
	Fishkill Landing (*a*)	30.19	21	7 a. m.	30.55	29	2 p. m.	29.60
	Flatbush	29.91	7	7 a. m.	30.46	29	2 p. m.	29.25
	Lowville	29.04	------	7 a. m.	29.47	------	2 p. m	28.48
	New York city	30.04	6	9 p. m.	30.57	29	2 p. m.	29.33
	North Salem	29.65	------	7 a. m.	30.18	------	9 p. m.	29.20
	Oswego	29.31	6	7 a. m.	29.74	29	2 p. m.	28.77
	Ovid	28.87	6	7 a. m.	29.33	29	2 p. m.	28.26
	Penn Yan (*a*)	29.24	6	7 a. m.	29.67	1	7 a. m.	28.49
	Rochester, [Pratt]	29.49	6	7 a. m.	29.89	4	2 p. m.	28.83
	Sag Harbor	29.77	6	9 p. m.	30.36	29	2 p. m.	29.13
	Spencertown	29.34	6	2 p. m.	29.82	4	9 p. m.	28.69
	Troy	30.03	6	8 a. m.	30.53	29	2 p. m.	29.45
	Utica	29.50	7	7 a. m.	29.91	29	2 p. m.	28.87
New Jersey	Bloomfield	29.87	6	7 a. m.	*d* 30.34	29	7 a m.	*e* 29.18
	Burlington, [Schmidt]	29.97	7	7 a. m.	30.42	29	2 p. m.	29.35
	Lambertville	30.06	6	9 p. m.	30.54	29	2 p m.	29.37
	Newark (*f*)	30.01½	7	7 a. m.	*g* 30.50	29	6 p. m.	29.42
Pennsylvania	Bedford (*h*)	29.20	6	7 a. m	29.59	4	2 p. m.	28.63
	Berwick (*i*)	28.98	6	7 a. m.	*j* 29.09	29	2 p. m.	28.07
	Canonsburg	28.83	6	7 a. m.	29.20	29	7 a. m.	28.04
	Carlisle	29.28	6	7 a. m.	29.70	29	2 p. m.	28.57
	Chromedale	29.92	6	2 p. m.	30.42	29	2 p. m.	29.15
	Easton	29.70	7	7 a. m.	30.26	29	2 p. m.	29.11
	Gettysburg	29.51	7	7 a. m.	29.96	29	2 p. m.	28.81
	Harrisburg	29.82	7	7 a. m.	30.25	29	2 p. m.	29.11
	Lewisburg	29.58	6	7 a. m.	30.06	29	2 p. m.	28.87
	Morrisville	30.12	6	2 p. m.	*b* 30.62	29	2 p. m.	29.39

a See notes to table of thermometer for this month.
b Same height at 9 p. m. on the 6th.
c Same height at 9 p. m. on the 29th.
d Same height at 2 p. m. on the 6th.
e Same height at 2 p. m. on the 29th.
f Observations taken at 7 a. m. and 6 p. m.
g Same height at 6 p. m. on the 6th.
h For the first 17 days only.
i Not corrected for temperature.
j Same height at 2 and 9 p. m. on the 6th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1856.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Pennsylvania	Nazareth	29.48	6	9 p. m.	30.00	29	2 p. m.	28.76
	Norristown	29.84	7	7 a. m.	30.33	29	2 p. m.	29.05
	Philadelphia	29.75	7	7 a. m.	*a* 30.20	29	2 p. m.	29.18
	Pittsburg	28.96	6	7 a. m.	29.35	29	7 a. m.	28.27
	Somerset	27.67	6	7 a. m.	28.02	29	7 a. m.	27.02
Delaware	Newark, [Craven]	29.84	7	7 a. m.	*a* 30.35	29	2 p. m.	29.14
Maryland	Frederick	29.81	7	7 a. m.	30.26	29	2 p. m.	29.11
	Ridge, (*b*)	29.99	6	7½ a. m.	30.48	29	1 p. m.	29.32
Dist. of Columbia	Washington	30.12	7	7 a. m.	30.60	29	2 p. m.	29.42
Virginia	Alexandria	30.10	7	7 a. m.	30.56	29	2 p. m.	29.41
	Portsmouth	30.07	6	2 p. m.	30.60	4	2 p. m.	20.69
	Ruthven (*b*)	29.75	6	2 p. m.	30.25	29	2 p. m.	29.10
North Carolina	Chapel Hill	29.54	6	2 p. m.	29.91	29	2 p. m.	28.81
	Goldsborough	30.08	6	7 a. m.	30.51	29	2 p. m.	29.45
	Murfreesborough	29.47	6	9 p. m.	29.94	29	2 p. m.	28.91
South Carolina	All Saints	30.08	6	7 a. m.	*c* 30.44	29	2 p. m.	29.59
	Camden	29.97	6	7 a. m.	30.36	29	7 a. m.	29.46
	Charleston, [Johnson]	30.25	6	7 a. m.	30.55	29	2 p. m.	29.83
	Charleston, [Dawson]	------	------	------	30.55	------	------	29.83
	Edisto Island	30.11½	18	7 a. m.	30.27	29	7 a. m.	29.73
	St John's (*b*)	30.22	6	2 p. m.	30.58	29	Sunrise.	29.86
Georgia	Savannah	30.12	6	7 a. m.	30.44	29	2 p. m.	29.71
	Sparta	29.44	6	7 a. m.	29.73	29	7 a. m.	29.02
	Thomaston	29.34	6	7 a. m.	29.67	29	7 a. m.	28.90
Florida	Atsena	29.91	6	9 p. m.	30.08	29	2 p. m.	29.71
	Jacksonville	30.18	6	7 a. m.	30.52	29	2 p. m.	29.82
	St. Augustine (*b*)	30.19	6	10 p. m.	30.41	29	2 p. m.	29.90
	Salt Ponds (*d*)	29.73	23	2 p. m.	29.86	20	7 a. m.	29.60
	Warrington	30.04	5	7 a. m.	30.36	28	9 p. m.	29.73
Alabama	Auburn	29.41	6	7 a. m.	29.70	28	9 p. m.	29.03
	Greensborough	29.70	5	7 a. m.	30.05	28	9 p. m.	29.20
Mississippi	Columbus	29.88	5	7 a. m.	30.28	28	9 p. m.	29.32
	Natchez	29.91	5	7 a. m.	30.30	28	2 p. m.	29.36
	Port Gibson	29.97	5	7 a. m.	30.34	28	9 p. m.	29.48
Texas	New Braunfels (*d*)	28.98	8	7 a. m.	29.45	2	9 p. m.	28.53
Tennessee	Glenwood	29.48	5	2 p. m.	29.81	28	9 p. m.	28.79
	Walnut Grove (*b*)	28.54	6	7 a. m.	28.84	16	2 p. m.	28.19
Kentucky	Ballardsville	29.13	27	9 p. m.	29.50	21	2 p. m.	28.57
	Millersburg	29.36	5	9 p. m.	29.63	21	2 p. m.	28.98
	Paris	29.24	5	9 p. m.	29.57	28	9 p. m.	28.63
	Springdale	29.46	9	7 a. m.	*e* 29.82	21	2 p. m.	28.86
Ohio	Cincinnati, [Harper]	29.55	9	7 a. m.	29.91	28	9 p. m.	29.01
	Cleveland	29.17	5	9 p. m.	29.45	4	7 a. m.	28.75
	College Hill	29.12	9	7 a. m.	29.48	21	2 p. m.	28.54
	Germantown, [Groneweg]	29.26	9	7 a. m.	29.62	28	9 p. m.	28.59
	Germantown, [Binkerd]	29.18	5	9 p. m.	29.49	29	7 a. m.	28.67
	Granville	28.99	6	7 a. m.	29.35	29	7 a. m.	28.34
	Hillsborough	28.90	5	9 p. m.	29.23	29	7 a. m.	28.31
	Oberlin (*b*)	29.15	5	9 p. m.	29.51	4	7 a. m.	28.60
	Urbana	28.77	9	7 a. m.	*e* 29.12	29	7 a. m.	28.16
	West Bedford	28.29	6	7 a. m.	28.62	29	7 a. m.	27.75
Michigan	Battle Creek	29.10	9	7 a. m.	29.45	1	7 a. m.	28.62
	Copper Falls Mines (*b*)	28.53	14	7 a. m.	*f* 28.90	1	7 a. m.	27.80
	Detroit	29.52	9	7 a. m.	29.89	1	7 a. m.	29.01
	Romeo (*b*)	29.01	5	9 p. m.	29.33	29	7 a. m.	28.37
Indiana	New Harmony	29.70	9	7 a. m.	30.12	28	9 p. m.	29.07
	Richmond	29.00	9	7 a. m.	29.32	21	2 p. m.	28.39

a Same height at 9 p. m. on the 6th.
b See notes to table of thermometer for this month.
c Same height at 2 p. m. on the 6th.
d Not corrected for temperature.
e Same height at 9 p. m. on the 5th.
f Same height at 2 p. m. on the 14th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Illinois	Manchester (*a*)	28.83	8	9 p. m.	29.28	21	1 p. m.	28.20
	Upper Alton	29.54	8	9 p. m.	29.90	28	9 p. m.	29.05
Missouri	Cape Girardeau	29.68	5	9 a. m.	30.11	28	9 p. m.	29.05
	Palmyra	29.46	8	3 p. m.	*b* 29.87	22	9 a. m.	28.78
	St. Louis	29.60	8	2 p. m.	30.38	21	7 a. m.	29.01
Wisconsin	Appleton	28.97	18	7 a. m.	29.29	1	7 a. m.	28.36
	Beloit	29.17	8	9 p. m.	29.57	21	2 p. m.	28.21
	Madison, [Schue]	28.95	8	9 p. m.	29.39	21	2 p. m.	28.13
	Manitowoc (*c*)	29.71	------	--------	30.11	------	--------	28.84
	Milwaukee, [Winkler]	29.27	8	9 p. m.	29.66	21	9 p. m.	28.63
	Racine, [Durham] (*d*)	29.13	12	2 p. m.	29.71	21	9 p. m.	28.30
	Superior	29.31	5	7 a. m.	*f* 29.63	1	7 a. m.	28.42
	Waukesha	28.74	18	7 a. m.	*b* 29.08	21	2 p. m.	27.92
Iowa	Muscatine	29.50	8	2 p. m.	29.94	1	9 p. m.	29.06
California	Sacramento	30.06	18	9 p. m.	30.34	22	9 p. m.	29.75
Mexico	Vera Cruz	30.08	5	9½ a. m.	30.41	20	2 p. m.	29.85
West Indies	Port of Spain, Trinidad	29.85	18	7 a. m.	*g* 29.93	9	2 p. m.	29.75
South America	Catharina Sophia, Surinam (*a*)	29.62	1	2 p. m.	29.74	7	2 p. m.	29.53
	Colonia Tovar, Venezuela	23 76	1	7 a. m.	23.85	7	2 p. m.	23.68
Azores	Horta, Fayal	29.94	17	9 p. m.	*f* 30.22	30	7 a. m.	*h* 29.50

a See notes to table of thermometer for this month.
b Same height at 9 p. m. on the 8th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Not corrected for temperature.
e Observations taken at 9 a. m. and 9 p. m.
f Same height at 7 a. m. on the 18th.
g Same height at 7 a. m. on the 19th.
h Same height at 2 p. m. on the 30th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.64	18	9 a. m.	30.35	14	9 a. m.	28.63
	Montreal	29.98	------	7 a. m.	30.86	------	9 p. m.	29.07
	St. Martin	29.83	20	9 p. m.	30.74	14	9 p. m.	28.72
	Toronto (*a*)	29.71	18	2 p. m.	30.44	3	6 a. m.	28.74
	Wolfville	29.73	20	7 a. m.	30.66	4	7 a. m.	28.97
Maine	Carmel (*a*)	29.50	19	7 a. m.	30.30	14	9 p. m.	28.50
	Gardiner	29.77	19	2 p. m.	30.52	15	7 a. m.	29.05
	Portland	29.79	19	7 a. m.	30.54	25	7 a. m.	29.04
	Steuben	29.83	19	9 p. m.	30.58	3	9 p. m.	28.76
New Hampshire	Concord	29.62	19	7 a. m.	30.38	14	9 p. m.	28.65
	Shelburne (*a*)	29.80	19	7 a. m.	30.52	15	7 a. m.	28.96
Vermont	Norwich	29.64	19	7 a. m.	30.40	24	9 p. m.	29.10
	Shelburn	29.59	19	7 a. m.	30.65	14	9 p. m.	28.19
Massachusetts	Amherst	29.75	19	7 a. m.	30.56	3	2 p. m.	28.77
	Bridgewater (*a*)	29.85	19	7 a. m.	30.62	14	7 p. m.	28.89
	Cambridge (*a*)	29.96	19	7 a. m.	30.70	24	3 p. m.	29.20
	Nantucket	30.00	19	7 a. m.	*b* 30.70	24	2 p. m	29.14
	New Bedford	29.88	19	7 a. m.	30.63	14	9 p. m.	29.01
	Newburyport	29.94	19	7 a. m.	30.75	24	9 p. m.	29.21
	North Attleborough	29.79	19	7 a. m.	30.56	3	2 p. m.	28.89
	Princeton	28.76	19	7 a. m.	29.48	14	9 p. m.	27.76
	Westfield	29.88	19	7 a. m.	30.66	3	9 p. m.	29.20
	Williamstown	29.27	19	7 a. m.	30.03	14	9 p. m.	28.18
	Worcester	29.47	18	9 p. m.	30.02	25	2 p. m.	28.77
Rhode Island	Providence (*a*)	29.77	19	Sunrise	30.55	3	1 p. m.	28.85
Connecticut	Norwich	29.97	19	7 a. m.	30.71	14	9 p. m.	29.05
	Pomfret	29.31	19	7 a. m.	30.06	14	9 p. m.	28.38
	Wallingford	29.89	19	7 a. m.	30.67	3	2 p. m.	28.79
New York	Blackwell's Island	30.00	19	9 p. m.	30.62	14	2 p. m.	29.16
	Buffalo	29.36	18	2 p. m.	30.08	14	2 p. m.	28.35
	Cazenovia	28.56	18	9 p. m.	29.27	14	2 p. m.	27.50
	Fishkill Landing (*c*)	30.19	19	7 a. m.	30.93	3	2 p. m.	29.30
	Flatbush	29.88	19	7 a. m.	30.66	3	2 p. m.	28.92
	Lowville	29.03	------	9 p. m.	29.77	------	2 p. m.	27.94
	Mexico (*d*)	29.70	------	------	------	------	------	------
	New York city	30.03	18	9 p. m.	30.78	3	2 p. m.	29.05
	North Salem	29.62	------	7 a. m.	30.34	------	9 p. m.	28.75
	Oswego	29.32	18	9 p. m.	30.11	14	2 p. m.	28.20
	Ovid	28.94	18	9 p. m.	29.63	11	2 p. m.	28.37
	Penn Yan (*a*)	29.24	18	Sunset	29.92	14	Sunset	28.33
	Rochester, [Pratt]	29.47	18	7 a. m.	30.08	14	2 p. m.	28.48
	Sag Harbor	29.71	19	7 a. m.	30.44	3	2 p. m.	28.72
	Spencertown	29.29	19	7 a. m.	30.05	24	7 a. m.	28.34
	Troy	30.02	19	7 a. m.	30.84	14	9 p. m.	29.03
New Jersey	Bloomfield	29.89	19	7 a. m.	30.59	3	9 p. m.	29.29
	Burlington, [Schmidt]	29.98	19	7 a. m.	30.64	3	2 p. m.	29.07
	Lambertville (*e*)	29.99	18	9 p. m.	30.69	14	5 p. m.	29.05
	Newark	29.99	19	7 a. m.	30.72	14	6 p. m.	29.10
Pennsylvania	Berwick (*c*)	29.27	18	9 p. m.	30.00	3	2 p. m.	28.42
	Canonsburg	28.84	18	2 p. m.	29.41	3	7 a. m.	27.95
	Carlisle	29.24	18	9 p. m.	29.90	14	2 p. m.	28.31
	Chromedale	29.90	19	7 a. m.	*f* 30.62	14	2 p. m.	29.02
	Easton	29.75	19	7 a. m.	30.45	3	2 p. m.	28.90
	Gettysburg	29.51	18	9 p. m.	30.14	14	2 p. m.	28.56
	Harrisburg	29.81	18	9 p. m.	30.51	3	2 p. m.	28.93
	Lewisburg	29.57	18	9 p. m.	30.26	14	2 p. m.	28.55
	Morrisville	30.13	19	7 a. m.	30.89	3	2 p. m.	29.17
	Nazareth (*a*)	29.45	19	7 a. m.	30.17	14	2 p. m.	28.50
	Norristown	29.89	19	7 a. m.	*f* 30.67	3	2 p. m.	28.84

a See notes to table of thermometer for this month.
b Same height at 2 p. m. on the 19th. Not corrected for temperature.
d For the last 26 days of the month only.
e Observations taken at 7 a. m. and 6 p. m.
f Same height at 9 p. m. on the 18th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Pennsylvania	Philadelphia	29.76	18	9 p. m.	30.48	14	2 p. m.	28.97
	Pittsburg	28.96	18	7 a. m.	29.50	14	2 a. m.	28.05
	Somerset	27.66	18	9 p. m.	28.08	14	2 p. m.	26.88
Delaware	Newark, [Craven] (*a*)	29.82	18	7 a. m.	30.46	14	2 p. m.	28.90
Maryland	Frederick	29.80	18	9 p. m.	30.47	14	2 p m.	28.81
	Ridge (*a*)	30.01	19	8 p. m.	30.68	3	1 p. m.	29.11
Dist. of Columbia	Washington	30.12	19	7 a. m.	30.79	14	2 p. m.	29.14
Virginia	Alexandria	30.09	19	7 a. m.	30.76	14	2 p. m.	29.10
	Portsmouth	30.09	19	7 a. m.	30.66	3	2 p. m.	29.14
	Ruthven	29.75	19	7 a. m.	30.35	14	2 p. m.	28.93
North Carolina	Chapel Hill	29.54	19	7 a. m.	30.01	3	7 a. m.	28.88
	Goldsborough	30.07	19	7 a. m.	30.64	3	2 p. m.	29.38
	Murfreesborough	29.53	19	7 a. m.	30.06	3	7 a. m.	28.73
South Carolina	All Saints	30.08	19	7 a. m.	30.51	3	2 p. m.	29.53
	Camden	29.99	19	7 a. m.	30.45	3	7 a. m.	29.39
	Charleston, [Johnson]	30.23	19	7 a. m.	30.59	3	2 p. m.	29.82
	Charleston, [Dawson]				30.58			29.82
	Edisto Island (*a*)	30.14	18	8 a. m.	*b* 30.51	3	2 p. m.	29.67
	St. John's (*a*)	30.19	19	Sunrise	30.55	3	Sunrise	29.77
Georgia	Savannah	30.14	9	9 p. m.	30.49	3	7 a. m.	29.72
	Sparta	29.46	17	9 p. m.	29.80	2	9 p. m.	29.04
	Thomaston	29.39	15	7 a. m.	29.69	4	7 a. m.	28.94
Florida	Atsena	29.90	17	9 p. m.	30.14	3	7 a. m.	*c* 29.69
	Jacksonville	30.20	18	7 a. m.	30.52	3	2 p. m.	29.84
	St. Augustine (*a*)	30.20	18	8 a. m.	*d* 30.48	14	2 p. m.	29.89
	Salt Ponds (*e*)	29.78	17	2 p. m.	29.96	3	7 a. m.	*f* 29.63
	Warrington	30.11	17	7 a. m.	30.39	2	9 p. m.	29.69
Alabama	Auburn	29.44	17	7 a. m.	29.71	2	9 p. m.	29.06
	Greensborough	29.72	29	7 a. m.	30.08	3	2 p. m.	29.38
Mississippi	Columbus	29.94	17	7 a. m.	30.27	2	2 p. m.	29.19
	Natchez	29.93	7	7 a. m	30.34	2	7 a. m.	29.38
	Port Gibson	30.01	16	9 p. m.	30.48	2	7 a. m.	*g* 29.42
Texas	Washington (*e*)	29.54	21	7 a. m.	30.09	14	7 a. m.	28.97
Tennessee	Glenwood	29.66	23	7 a. m.	30.04	2	2 p. m.	28.87
	Walnut Grove (*h*)	28.50	9	7 a. m.	28.81	2	9 p. m.	27.90
Kentucky	Ballardsville	29.12	18	7 a. m.	29.44	2	9 p. m.	28.33
	Millersburg	29.34	18	7 a. m.	*i* 29.66	3	2 p. m.	28.46
	Paris	29.27	18	7 a. m.	29.63	2	9 p. m.	28.42
	Springdale	29.50	6	2 p. m.	29.93	2	9 p. m.	28.65
Ohio	Cincinnati, [Harper]	29.59	18	7 a. m.	29.98	2	9 p. m.	28.72
	Cleveland	29.19	18	7 a. m.	29.58	14	7 a. m.	28.38
	College Hill	29.11	18	7 a. m.	29.55	2	9 p. m.	28.26
	Germantown [Groneweg]	29.30	18	7 a. m.	29.77	2	9 p. m.	28.39
	Germantown, [Binkerd]	29.26	18	7 a. m.	29.68	2	9 p. m.	28.40
	Granville	29.03	18	7 a. m.	29.52	14	7 a. m.	28.18
	Hillsborough	28.92	18	7 a. m.	29.35	2	9 p. m.	28.08
	Urbana	28.80	18	7 a. m.	29.24	14	7 a. m.	27.95
	West Bedford	28.30	9	9 p. m.	28.52	14	7 a. m.	27.71
Michigan	Battle Creek	29.14	18	7 a. m.	29.68	2	9 p. m.	28.24
	Copper Falls Mines	28.65	17	2 p. m.	29.21	11	2 p. m.	27.97
	Romeo (*a*)	29.02	18	7 a. m	29.59	14	1 p. m.	28.02
Indiana	New Harmony	29.76	23	7 a. m.	30.17	2	2 p. m.	28.80
	Richmond	29.03	18	7 a. m.	29.45	2	9 p. m.	28.11
Illinois	Chicago	29.43	17	9 p. m.	29.88	2	9 p. m.	28.44
	Manchester (*a*)	28.89	6	7 a. m.	*j* 29.35	2	1 p. m.	*k* 28.11
	Upper Alton	29.51	23	7 a. m.	29.92	2	2 p. m.	28.65
Missouri	Cape Giradeau	29.72	23	9 a. m.	30.16	2	3 p. m.	28.83

a See notes to table of thermometer for this month.
b Same height at 9 p. m. on the 9th.
c Same height at 2 p. m. on the 3d.
d Same height at 9 p. m. on the 17th.
e Not corrected for temperature.
f Same height at 7 a. m. on the 9th.
g Same height at 2 p. m. on the 2d.
h Observations interrupted from the 13th to the 24th.
i Same height at 2 p. m. on the 18th.
j Same height at 7 a. m. on the 7th.
k Same height at 9 p. m. on the 2d.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1856.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Missouri	Palmyra	29.46	23	Sunrise	29.91	2	3 p. m.	28.58
	St. Louis	29.62	6	7 a. m.	30.30	2	2 p. m.	28.66
Wisconsin	Appleton	29.05	17	9 p. m.	29.57	3	7 a. m.	28.18
	Beloit	29.21	17	7 a. m.	29.68	2	9 p. m.	28.29
	Madison, [Sterling] (*a*)	29.02	17	9 p. m.	29.54	2	9 p. m.	28.16
	Manitowoc (*b*)	29.37	------	--------	30.33	------	--------	28.83
	Milwaukee, [Winkler]	29.31	17	9 p. m	29.79	3	7 a. m.	28.31
	Racine, [Durham] (*c*)	29.18	17	9 p. m.	*d* 29.68	3	7 a. m.	28.18
	Superior	29.39	17	7 a. m.	29.92	11	2 p. m.	28.80
	Waukesha	28.80	18	7 a. m.	*e* 29.23	3	7 a. m.	27 88
Iowa	Muscatine	29.52	22	9 p. m.	29.96	2	2 p. m.	*f* 28.92
California	Sacramento	30.22	19	9 p. m.	30.62	29	9 p. m.	29.70
Mexico	Vera Cruz	30.17	21	6 a. m.	30.53	2	6 a. m.	29.89
West Indies	Port of Spain, Trinidad	29.89	31	2 p. m.	30.01	24	2 p. m.	29.82
South America	Catharina Sophia, Surinam (*a*)	29.59	11	2 p. m.	29.67	20	6 p. m.	29.51
Azores	Horta, Fayal	29.85	14	7 a. m.	30.60	6	2 p. m.	*g* 29.06

a See notes to table of thermometer for this month.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Not corrected for temperature.
d Same height at 9 p. m. on the 16th.
e Same height at 7 a. m. on the 17th.
f Same height at 9 p. m. on the 2d.
g Same height at 9 p. m. on the 6th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	15.32	.....	16.90	16.11	18	32	18	29.50	9	—11	9	— 5.50	....
Montreal	7.31	14.06	9.99	10.45	17	33	24	24.62	5	—15	5	—11.62	5.0
Red River Settlement	—13.32	—5.48	—10.16	—9.65	17	22	22	16.00	3	—40	6	—33.33	3.3
St. Martin	3.20	15.02	6.35	8.19	30	29	30	19.90	5	—21	5	—11.90	4.2
Toronto (*b*)	13.19	20.67	14.60	16.12	16	33	17	29.95	9	—12	9	— 4.63	6.6
Wolfville	14.47	20.99	16.86	17.44	17	38	17	32.80	29	— 5	5	6.13	4.7
MAINE—													
Carmel	3 25	20.13	6.82	10.06	8	40	8	23.67	5	—20	5	— 7.00	4.5
Fryeburg	0.77	21.40	.....	11.18	17	35	17	26.50	5	—23	5	—11.25	4.5
Gardiner	7.48	21.31	13.77	14 19	17	*c* 33	17	29.33	10	—16	9	*d*—0.67	5.0
Perry	11.10	21.39	14.03	15.50	8	33	17	25.33	5	*e*— 4	5	2.67	4.0
Portland	10.05	23.39	14.26	15.90	29	34	17	27.17	10	— 5	9	— 1.00	4.9
Steuben	8.39	19.45	13.77	13.87	8	33	8	26.33	5	— 9	5	— 1.67	6.2
Windham	2.94	13.97	6.29	7.73	23	*f* 30	3	21.33	5	*e*—12	9	— 6.00	4.2
NEW HAMPSHIRE—													
Concord	9.77	22.87	15.81	16.15	18	38	18	31.33	7	—14	9	— 2.00	4.2
Londonderry	12.03	22.74	14.97	16.58	24	36	18	30.00	9	— 7	9	— 3.00	4.2
Manchester	9.63	22.93	16.16	16.24	18	36	18	29.00	7	—14	9	— 2.67	5.1
Stratford	7.74	19.03	15.55	14.10	3	31	3	28.33	5	—14	5	— 2.33	....
VERMONT—													
Brandon	6.23	18.63	10.30	11.72	18	33	3	28.00	5	—22	5	— 7.67	5.0
Burlington	8.97	19.81	10.77	13.18	18	38	3	31.00	5	—13	5	— 5.67	3.4
Craftsbury	4.74	15.13	8.23	9.37	29	29	29	22.00	5	—20	5	— 8.00	6.1
MASSACHUSETTS—													
Amherst	9.23	21.61	14.48	15.11	17	35	13	30.67	9	—11	9	— 5.80	4.5
Boston (*g*)	13.87	26.39	17.29	19.18	18	40	13	32.67	9	— 6	9	— 3.00	3.0
Lawrence (*h*)	11.38	.....	.....	.....	....	29	....	.....	....	— 5	....	.....	....
Mendon	12.03	20.71	14.71	15.48	14	36	13	31.67	9	— 9	9	— 6.67	4.7
Nantucket	26.25	30.99	26.84	28.02	13	*i* 41.5	13	39.17	9	7.5	9	10.50	4.3
New Bedford	17.26	25.63	19.89	20.92	13	39	13	36.33	9	— 5	9	— 2.33	5.6
Newburyport	12.33	22.64	15.84	16.94	17	32	13	30.50	9	—10	25	2.40	7.1
North Attleborough	13.61	24.89	16 98	18.49	13	47	13	37.47	9	— 6.9	9	— 1.20	4.2
Princeton	11.62	18.35	14.40	14.79	18	30	3	27.33	9	—13	9	— 7.90	4.7
Richmond	11.29	20.65	19.19	17.04	3	*j* 34	13	30.00	9	—12	9	— 8.67	5.9
Southwick (*k*)	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	8.4
Springfield	10.45	26.84	16.39	17.89	18	42	18	36.67	6	—12	9	— 5.33	4.1
Westfield	10.94	22.65	16.61	16.73	18	35	3	30.67	9	—11	9	— 6.33	3.9
Williamstown	10.4	19.0	13.9	14.43	3	33	3	32.00	7	— 8.4	9	— 5.60	6.1
Worcester	12.06	22.74	16.58	17.13	18	53	18	35.33	9	— 8	9	— 5.33	3.8
RHODE ISLAND—													
Acquidneset (*k*)	12.80?	.....	24.42?	18.61?	....	.....	....	.....	....	.....	....	.....	....
Providence (*l*)	14.4	24.6	16.9	18.63	13	37	13	34.00	9	— 8	9	— 4.33	4.1
CONNECTICUT—													
New London	17.06	27.55	20.68	21.76	13	*m* 41	10	37.00	9	— 4	9	0.00	4.5
Pomfret	13.13	22.68	16.48	17.43	29	34	3, 13	31.33	9	—10	9	— 7.00	4.8
Saybrook	18.10	25.39	21.68	21.72	13	38	13	36.67	9	— 4	9	— 0.67	4.9
NEW YORK—													
Angelica	7.16	20.00	9.94	12.37	18	*n* 34	17	27.67	26	—31	9	— 9.33	6.1
Baldwinsville	13.06	19.97	16.03	16.35	3	34	18	28.67	9	— 6	9	— 4.33	7.9
Beverly	13.26	20.62	18.13	17.34	18	35	13	33.33	9	— 8	9	— 3.00	4.9
Blackwell's Island	20.97	26.61	23.52	23.70	3	38	3	36.00	9	— 4	9	0.00	6.8
Canton	8.84	17.81	10.55	12.40	3	33	17	28.33	20	—20	5	— 8.00	6.4
Clinton	12.71	18.34	15.09	15.38	18	33	29	27.00	9	— 9.5	9	— 4.17	8.0
Fishkill Landing	12.13	24.35	16.61	17.69	29	40	13	34.33	10	— 5	9	— 2.67	3.9
Flatbush	18.09	26.29	20.91	21.76	19	40	13	34.67	9	— 3	9	— 0.76	5.6
Geneva	15.05	20.73	16.48	17.42	....	34	18	29.33	....	— 6	9	3.00	7.6

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 6 a. m., 2 p. m., and 10 p. m.
c Same temperature on the 16th.
d Same temperature on the 4th.
e Same temperature on the 10th.
f Same temperature on the 30th.
g Observations taken at 10 a. m., 1 p. m., and 6 p. m.
h Observations taken at 6 a. m.
i Same temperature on the 19th.
j Same temperature on the 29th.
k Month very incomplete.
l Observations taken at sunrise, 1 p. m., and 10 p. m.
m Same temperature on the 18th.
n Same temperature on the 3d.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Homer	9.32	19.29	11.41	13.34	3	35	3	27.67	9	—13	9	6.33	8.1
Liberty	10.65	21.30	13.42	15.12	13	32.5	13	30.17	9	—16	9	— 3.33	6.2
Lodi	12.13	19.77	13.52	15.14	2	39	18	29.67	9	—10	9	— 5.33	7.7
Morrisania	15.61	25.81	19.29	20.23	13	*a* 38	13	35.33	9	— 9	9	— 4.00	5.3
New York city	18.95	25.78	21.81	22.18	26	37	13	33.93	9	— 5	9	— 0.73	5.0
Oswego	14.61	20.84	17.68	17.71	3	35	17	28.67	9	— 3	9	0.33	----
Ovid	13.81	18.68	15.48	15.99	3	33	18	28.33	9	— 9	9	— 4.67	7.8
Penn Yan (*b*)	12.71	24.45	17.77	18.31	3	*a* 41	3	33.00	9	— 8	9	— 3.00	7.4
Plattsburg	9.87	17.97	12.52	13.45	3	40	3	32.00	5	*c*—14	5	— 8.33	5.5
Rochester, [Harkness]	14.3	21.2	16.8	17.43	----	33	----	-------	----	— 8	----	-------	----
Rochester, [Pratt]	14.9	20.5	17.8	17.73	1	*d* 32	3	29.50	9	— 6	9	— 4.00	8.9
Sag Harbor	19.58	28.84	23.10	23.84	13	41	13	36.67	9	1	8	3.00	4.9
Smithville	7.83	19.19	12.35	13.12	3	32	17	*e* 27.00	20	—18	20	— 4.67	7.2
Spencertown	9.10	20.19	13.06	14.12	29	36	13	30.33	9	—22	9	—14.33	5.3
Wampsville	13.77	23.68	15.83	17.76	3	38	29	30.00	5	— 6	9	— 1.00	8.3
Watertown	8.45	18.52	11.65	12.87	17	36	17	28.67	10	—13	10	— 8.00	6.4
NEW JERSEY—													
Bloomfield	17.40	25.93	19.96	21.10	18	39	13	*f* 35.67	9	— 9	9	— 6.00	4.1
Burlington	17.32	26.19	19.94	21.15	19	*f* 38	3	33.00	9	— 5	9	— 3.00	7.5
Lambertville	13.21	27.84	15.20	18.75	19	42	3	35.17	9	—10	9	— 6.08	4.6
Newark (*g*)	-------	-------	-------	21.56	19	39.5	18	33.37	9	— 7.3	9	1.13	9.1
PENNSYLVANIA—													
Bedford	12.00	22.78	15.92	16.90	18	41	18	30.33	26	—15	9	— 6.00	5.6
Berwick	12.55	26.38	21.00	19.98	22	42	21	*h* 34.00	14	—19	13	5.33	4.8
Canonsburg	7.84	21.13	12.71	13.89	7	36	28	27.33	26	—20	9	— 9.00	----
Carlisle	12.06	23.84	15.76	17.22	19	39.5	3	30.83	9	—12.5	9	— 6.17	5.3
Chromedale	16.68	26.21	20.07	20.99	19	40	3	34.50	9	—11	9	— 7.20	5.0
Easton	9.13	24.00	13.85	15.66	3	39	3	31.00	9	—12	9	— 5.67	3.3
Fleming (*i*)	14.50	25.70	-------	20.10	1	39	----	-------	9	—15	----	-------	----
Gettysburg	10.94	25.90	17.61	18.15	19	42	3	30.67	9	—16	9	— 5.43	5.2
Harrisburg (*j*)	20.03	28.96	24.37	24.45	19	39	29	31.33	7	7	5	16.67	5.7
Lewisburg	9.14	23.37	14.92	15.81	3	38	13	30.47	9	—16	9	— 7.77	6.3
Meadville	7.65	22.87	11.87	14.13	18	36	27	27.67	26	—22	9	—10.00	6.6
Morrisville	16.42	28.29	20.13	21.61	19	41	13	33.67	9	— 6	9	— 1.33	3.8
Moss Grove	8.81	19.23	11.17	13.07	18	35	27	24.67	9	—22	9	—14.00	6.3
Nazareth	12.42	25.45	14.90	17.59	29	*k* 37	3	31.33	9	—16	9	— 7.92	4.8
Norristown	16.09	26.22	20.70	21.00	18	38	3	*l* 34.50	9	— 6	9	— 2.67	4.6
North Whitehall (*m*)	11.94	25.90	21.74	19.86	18	40	3	35.67	9	—14	9	— 4.67	4.2
Paradise	-------	-------	-------	14.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	19.80	27.50	23.50	23.60	19	42	3	35.67	9	— 5	9	— 1.00	5.6
Pittsburg	12.29	18.90	17.68	16.29	27	36·	27	30.67	9	—13	9	— 7.67	----
Pocopson	15.85	25.50	19.87	20.40	18	39	3	33.33	9	—11	9	— 7.00	5.5
Randolph	8.94	20.26	12.16	13.78	18	34	27	24.33	9	—22	9	—13.33	7.0
Shamokin	-------	-------	-------	-------	18	48	----	-------	10	—18	----	-------	----
Troy Hill	11.35	21.48	16.97	16.60	18	*l* 36	27	28.33	26	—18	9	— 6.33	----
West Haverford	18.71	27.87	-------	23.29	19	42	19	35.50	9	— 5	9	— 1.50	5.2
DELAWARE—													
Newark, [Crawford] (*n*)	17.70?	27.07?	18.43?	21.07?	28	36?	27	30.67?	9	— 7?	10	6.00?	----
MARYLAND—													
Annapolis, [Goodman]	-------	-------	-------	23.46	19	44	----	-------	10	— 6	----	-------	----
Annapolis, [Zumbrock]	19.70	28.16	24.00	23.95	13	40	14	31.60	9	— 2	9	2.07	5.0
Bladensburg (*n*)	15.06	30.05	19.92	21.68	19	48	19	33.33	7	— 5	9	— 2.50	4.9
Chestertown	15.53	27.32	21.32	21.39	19	42	3	34.00	9	— 2.5	9	0.50	4.4
Frederick	16.41	26.94	20.97	21.44	28	40	3	33.37	9	— 8	9	0.50	5.2
Sykesville	13.19	27.65	18.23	19.69	18	45	19	34.33	9	—20	9	— 7.00	4.8

a Same temperature on the 18th.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 20th.
d Same temperature on the 2d.
e Same temperature on the 3d and 16th.
f Same temperature on the 3d.
g Observations taken at 9 a. m., noon, and 3 p. m.
h Same temperature on the 7th.
i Observations taken at sunrise and noon.
j Observations interrupted from the 6th to the 14th of the month.
k Same temperature on the 18th and 19th.
l Same temperature on the 19th.
m Observations taken at sunrise, noon, and sunset.
n Month incomplete.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date	Mean temp.	
DISTRICT OF COLUMBIA—	°	°	°	°		°		°		°		°	
Washington	15. 80	27 55	21. 33	21. 56	19	44. 5	3	34. 00	9	— 4	9	0 16	3. 8
VIRGINIA—													
Alexandria	16. 13	28. 05	21. 63	21. 94	19	42	3	34 67	9	— 4. 5	9	— 0. 17	4. 4
Berrysville (*a*)	14. 11	31. 25	19. 92	21. 56	4	51	3	35. 50	26	— 8	10	6. 75	6. 4
Buffalo	12. 58	27. 64	20. 32	20. 18	18	49	27	35. 33	10	—12	9	— 0. 67	5. 5
Crichton's Store (*b*)	24. 25	32. 30	33. 30	29. 95	31	44	28	39. 67	10	8	10	16. 33	4. 0
Garysville (*c*)	13. 19	25. 61	25. 77	21. 52	18	*d* 48	19	40. 33	10	— 6	10	7. 33	----
Huntersville	------	------	------	------	----	------	----	------	----	------	----	------	4. 0
Kenawha (*e*)	17. 65	28. 94	24. 03	23. 54	19	46	19	34. 67	24	— 2	9	4. 00	----
Lewisburg (*f*)	18. 00	30. 84	23. 74	24. 19	18	*d* 50	19	40. 00	10	— 8	10	*g* 4. 00	6. 3
Peach Grove Lodge	13. 94	28. 35	18. 29	20. 19	18	*h* 45	27	36. 33	9	—15	9	— 3. 33	3. 2
Rougemont (*i*)	14. 64	------	21. 73	18. 18	28	35	28	30. 00	10	—15	10	— 8. 00	----
Smithfield (*j*)	------	------	------	26. 44	19	54	19	43. 00	9	— 2	9	6. 50	----
Trout Run Valley	8. 39	29. 90	14. 26	17. 52	19	52	19	32. 00	9	—20	9	— 6. 67	3. 0
Winchester	16. 19	30. 84	21. 00	22. 68	19	50	19	37. 33	9	— 6	9	4. 00	5. 2
NORTH CAROLINA—													
Chapel Hill	22. 19	37. 00	27. 48	28. 89	19	60	19	46. 00	10	7	10	14. 67	5. 5
Goldsborough	27. 81	38. 71	31. 61	32. 71	18	68	19	48. 83	10	13	10	18. 09	5. 0
SOUTH CAROLINA—													
Aiken	29. 48	41. 23	33. 71	34. 81	18	61	18	48. 67	22	15	22	22. 33	----
All Saints	33. 68	42. 87	36. 87	37. 81	19	58	19	49. 33	10	21	10	25. 67	5. 2
Camden	25. 87	40. 35	31. 29	32. 50	19	62	19	46. 33	23	12	10	22. 00	5. 5
Charleston, [Dawson]	35. 25	43. 58	39. 32	39. 38	----	54	----	------	----	23	----	------	----
St. John's (*k*)	31. 48	43. 79	36. 72	37. 33	18	66	18	47. 33	23	13	23	32. 67	----
GEORGIA—													
Savannah	35. 1	45. 3	38. 9	39. 76	18	59	20	48. 40	23	22	22	28. 20	5. 8
Sparta	27. 61	38. 55	31. 52	32. 56	18	54	18	43. 67	23	13	22	21. 00	6. 1
Thomaston (*l*)	32. 03	34. 85?	35. 56?	34. 14?	3	*m* 41	30	38. 00?	22	19	22	23. 00?	6. 0
Whitemarsh Island	25. 52	44. 61	39. 71	36. 61	19	57	12	50. 00	22	22	22	27. 67	5. 4
Zebulon	30. 54	39. 93	38. 61	36. 36	2	*n* 50	3	47. 00	10	16	22	*o* 28. 00	3. 8
FLORIDA—													
Atsena	45. 29	50. 90	49. 13	48. 44	2	70	2	63. 67	22	29	23	32. 67	5. 6
Jacksonville	43. 32	53. 70	46. 06	47. 69	3	70	3	63. 60	22	24	23	33. 33	5. 5
Salt Ponds	62. 77	66. 87	------	64. 82	2	*p* 82	3	79. 00	24	50	23	51. 50	6. 3
Warrington (*q*)	36. 90	47. 10	45. 19	43. 06	7	61	7	55. 33	22	22	23	32. 00	5. 5
ALABAMA—													
Auburn	29. 23	40. 40	34. 80	34. 81	18	51	19	*p* 42. 67	22	16	22	22. 00	5. 4
Greene Springs (*k*)	29. 87	42. 36	33. 67	35. 30	18	56	7	*r* 43. 67	10	*s* 17	22	27. 67	8. 2
MISSISSIPPI—													
Columbus	27. 79	38. 19	31. 87	32. 62	18	56	18	43. 00	23	13	22	20. 83	----
Port Gibson	31. 65	39. 81	35. 42	35. 62	31	53	6	48. 00	20	18	20	23. 67	7. 9
Oxford	22. 81	34. 19	27. 94	28. 31	18	54	18	41. 67	23	6	22	12. 67	4. 9
LOUISIANA—													
New Orleans (*t*)	40. 35	47. 13	47. 39	44. 96	26	67	7	64. 00	22	27	10	31. 33	----
TEXAS—													
Austin	28. 42	44. 58	36. 71	36. 57	13	64	24	50. 00	16	14	27	26. 67	5. 2
New Braunfels	33. 13	48. 68	37. 42	39. 74	13	63	24	53. 67	16	18	26	25. 67	6. 2
Pin Oak (*c*)	31. 90	41. 81	42. 06	38. 59	13	*u* 62	31	52. 00	16	18	26	24. 33	2. 2
TENNESSEE—													
Glenwood	20. 98	30. 19	25. 52	25. 56	18	57	18	45. 93	9	—15	9	3. 93	----
KENTUCKY—													
Ballardsville	14. 94	23. 65	19. 39	19. 33	18	47	18	39. 67	10	—16	9	— 8. 67	7. 9
Danville	18. 35	30. 74	23. 23	24. 10	18	51	18	41. 33	9	—12	9	— 6. 00	5. 0
Millersburg	15. 19	25. 35	20. 42	20. 32	12	56	12	40. 33	10	—14	9	— 3. 00	5. 8

a Observations taken at sunrise, 9 a. m., and 3 and 9 p. m.
b Observations taken at 9 a. m., noon, and 4¼ p. m.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 19th of the month.
e Observations taken at sunrise, 1 p. m., and sunset.
f Observations taken at 7 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 9th.
h Same temperature on the 27th.
i Observations taken at sunrise and sunset.
j Observations taken by register thermometer.
k Observations taken at sunrise, 2 p. m., and 9 p. m.
l Month incomplete, except at 7 a. m.
m Same temperature on the 19th, 25th and 30th.
n Same temperature on the 3d, 18th, and 19th.
o Same temperature on the 21st.
p Same temperature on the 3d.
q Observations taken at 7?20 a. m., noon, and sunset.
r Same temperature on the 2d.
s Same temperature on the 22d and 23d.
t Observations taken at 9 a. m., noon, and 3 p. m.
u Same temperature on the 25th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
KENTUCKY—Continued.	°	°	°	°		°		°		°		°	
Paris	14.19	24.13	19.97	19.43	18	44	18	37.00	10	—15	10	— 8.00	6.1
Springdale	13.97	27.60	22.79	21.45	18	49	18	38.17	10	—22	9	— 8.50	5.9
OHIO—													
Bellefontaine	8.20	17.36	11.81	12.46	27	31	27	24.10	9	—25.5	9	—15.33	5.2
Cheviot (*a*)	12.94	25.97	20.00	19.64	18	52	18	41.33	9	—20	9	— 8.67	----
Cincinnati, [Harper]	14.90	29.26	21.61	21.92	3	65	27	36.00	9	—14	9	— 6.33	6.2
Cincinnati, [Telegraph] (*b*)	17.16	26.45	21.68	21.76	18	48	18	35.67	9	—12	9	— 4.67	5.1
Cincinnati, [Lea]	------	------	------	20.48	18	46	----	------	9	—12	----	------	----
Cleveland	10.19	21.03	15.00	15.40	12	37	12	26.33	9	—17.5	9	— 8.00	7.1
College Hill	12.08	22.79	17.74	17.54	18	47	18	38.83	9	—21.7	9	—11.90	5.4
Dayton, [Cooper F. Sem.]	------	------	------	19.22	18	42	----	------	9	—19	----	------	----
Gallipolis	13.13	28.10	19.48	20.23	18	44	27	34.67	9	—10	9	— 2.33	----
Germantown, [Groneweg]	9.27	22.32	15.35	15.65	18	41	27	29.75	9	—25	9	—14.12	5.8
Granville (*c*)	7.42	20.95	13.92	14.09	18	40	18	*d*25.33	9	—20	9	—10.67	5.7
Hillsborough	15.89	21.26	16.97	18.04	18	43	18	34.67	9	—18	9	— 9.83	5.6
Hiram	9.03	20.18	12.10	13.98	18	49	18	29.13	9	—25	9	—16.00	4.9
Oberlin	10.80	23.20	15.30	16.43	12	33	29	29.00	9	—14	8	— 5.67	5.4
Perrysburg (*e*)	11.84	22.68	15.87	16.79	16	38	16	28.33	9	—18	9	— 6.33	----
Portsmouth (*f*)	15.35	26.48	22.94	21.59	18	41	27	35.00	10	—10	9	— 1.33	6.1
Savannah	7.39	20.90	13.35	13.88	18	39	13	25.00	9	—22	9	—11.00	6.1
Unionville	14.32	22.84	15.77	17.64	12	33	17	27.33	9	—14	9	— 4.00	7.6
Urbana	7.90	22.58	12.90	14.46	18	42	27	27.00	9	—23	9	—14.00	5.8
MICHIGAN—													
Ann Arbor, [Woodruff]	8.10	19.50	11.35	12.98	----	30	13	25.67	9	—24	9	—13.00	6.3
Ann Arbor, [Winchell] (*g*)	------	------	------	------	----	------	----	------	9	—24	9	—14.33	----
Battle Creek	8.26	22.26	12.32	14.28	14	35	14	28.00	9	—21	9	— 9.00*h*	6.6
Cooper	8.67	16.10	10.06	11.59	26	31	28	23.33	9	—17	9	— 7.00	7.1
Copper Falls Mines (*i*)	------	------	------	9.16	----	29	----	------	----	—20	----	------	----
Eagle River (*j*)	10.58	12.61	11.39	11.53	13	*k* 26	13	24.67	7	—10	7	— 4.00	----
Grand Rapids, [Currier]	11.61	19.90	15.87	15.79	17	36	18	*k*25.67	8	— 9	8	— 8.67	6.8
Monroe, [Whelpley]	------	------	------	------	----	------	----	------	----	------	----	------	5.8
Romeo (*e*)	8.93	17.92	10.82	12.56	18	28	18	26.50	9	—22	9	—14.33	6.3
St. James	9.32	19.70	11.92	13.65	22	38	17	29.33	8	— 9	8	— 8.00	5.7
Saugatuck	13.48	23.13	16.74	17.78	17	36	17	*l* 26.67	8	— 5	8	— 3.33	8.3
INDIANA—													
New Harmony	16.06	27.10	21.23	21.46	18	51	18	37.67	9	—12	9	— 3.33	5.8
ILLINOIS—													
Athens	6.48	22.55	10.87	13.30	31	42	17	28.00	9	—28	9	—13.33*h*	5.2
Augusta	5.84	17.54	10.97	10.45	17	37	17	27.33	9	—25	8	—15.00	4.9
Brighton (*m*)	12.26	------	17.10	14.68	17	42	17	35.00	9	—22	9	—16.00	----
Manchester (*e*)	8.55	24.39	12.58	15.17	17	45	17	31.67	9	—25	9	—12.00	5.3
Ottawa (*n*)	10.71	22.42	11.61	14.91	14	38	19	27.00	19	—18	8	—10.67	1.7
Pekin (*o*)	------	------	------	12.58	----	34	----	------	----	—25	----	------	----
Peoria (*p*)	10.41	22.82	18.83	16.43	----	36.5	17	28.06	----	—20	8	—11.31	----
Upper Alton	12.48	25.16	16.23	17.96	17	46	17	36.33	9	—18	9	— 8.00	4.2
MISSOURI—													
St. Louis	15.0	25.1	20.2	20.10	17	51	17	40.67	9	—13.5	9	— 4.50	4.3
WISCONSIN—													
Appleton	2.03	14.87	7.35	8.08	17	31	14	23.67	9	—25	8	—21.67	----
Beloit	4.03	15.19	7.74	8.99	14	*q* 30	14	22.67	9	—26	8	—19.67	3.1
Janesville	0.45	15.26	6.22	7.31	14	31	14	22.00	9	—29	8	—22 00	5.6
Kenosha	8.97	17.73	12.77	13.16	18	36	18	27.15	9	—22*h*	8	—17.00	4.5
Manitowoc	------	------	------	13.00	----	40	----	------	----	—22	----	------	----
Milwaukee, [Winkler]	4.82	16.21	9.60	10.21	18	33	14	25.00	9	—23	8	—21.00	5.0

a Observations taken at 7 a. m., 1 p. m., and 7 p. m.
b Observations taken at 10 a. m., 1 p. m., and 6 p. m.
c For the first 24 days of the month only.
d Same temperature on the 15th.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Observations taken at 7 a. m., 2¼ p. m., and 8 p. m.
g Observations taken only on the 8th, 9th, and 10th of the month.
h Same temperature on the 8th.
i Observations taken at 6 a. m., noon, and 6 p. m.
j Observations taken at 9 a. m., 3 p. m., and 9 p. m.
k Same temperature on the 17th.
l Same temperature on the 13th and 16th.
m Observations taken morning and evening.
n Observations taken at 8 a. m., 2 p. m., and 9 p. m.
o Observations taken at sunrise and 1 p. m.
p Observations taken at sunrise, 2 p. m., and after sunset, and at midnight.
q Same temperature on the 18th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
Wisconsin—Continued.	°	°	°	°		°		°		°		°	
Milwaukee, [Pomeroy]	4.84	19.68	9.52	11.35	17	37	17	*a*24.33	9	—26	8	—15.67	----
Platteville	1.00	14.16	5.36	6.84	16	30	16	*a*20.67	9	—28 *b*	8	—26.00	5.0
Racine, [Seymour]	------	------	------	11.74	----	------	19	25.00	----	-------	8	—22.00	6.6
Superior	—0.67	13.46	5.37	6.05	16	47	16	30.67	8	—27	8	—18.00	5.5
Iowa—													
Bellevue (*c*)	5.00	19.00	10.00	11.33	----	33	----	-------	----	—22	----	-------	----
Dubuque	5.29	15.21	11.27	10.59	17	*d* 30	14	23.33	8	—20	8	—18.00	4.5
Fort Madison (*e*)	13.00	21.92	14.31	16.41	31	40	31	*f*25.33	9	—25	8	—16.67	9.2
Muscatine	2.16	14.81	5.87	7.61	16	32	19	23.33	9	—26	8	—21.00	3.4
Pella	—0.90	13.23	3.90	5.41	17	31	16	19.67	9	—26 *b*	8	—23.33	----
Pleasant Plain (*g*)	4.61	17.03	9.41	11.21	16	39	16	28.50	9	—24	8	—17.75	----
Poultney	—0.42	14.32	4.23	6.04	16	29	14	22.33	8	—26	8	—22.00	4.9
Quasqueton	1.91	10.25	4.02	5.39	12	26.5	12	16.80	10	—27	8	—22.00	5.6
Minnesota—													
Hazlewood	—7.07	5.82	—1.41	—0.89	16	30	16	18.33	8	—29	8	—24.00	3.8
California—													
Sacramento	43.42	52.74	48.32	48.16	16	59	30	54.33	1	32 *h*	2	38.33	4.6
San Francisco (*i*)	47.00	54.42	49.33	50.25	30	58	30	54.33	26	41	25	47.33	5.8
Stockton (*j*)	43.94	50.06	47.29	47.10	12	*k* 56	31	53.33	1	29	5	37.33	----
Mexico—													
City of Mexico (*l*)	54.04	65.11	49.11	56.08	2	75	2	66.67	20	46	28	53.67	6.3
Mirador (*m*)	-------	-------	-------	66.01	----	------	----	72.95	----	-------	----	59.00	----
West Indies —													
Up Park Camp, Jamaica (*n*)	-------	-------	-------	78.95	----	94	----	-------	----	64	----	-------	4.4

a Same temperature on the 14th.
b Same temperature on the 8th.
c Observations taken at 7 a. m., 2 p. m., and 8 p. m.
d Same temperature on the 18th.
e Observations taken at 6 a. m., noon, and 7 p. m.
f Same temperature on the 16th.
g Observations taken at sunrise, noon, sunset, and 9 p. m..
h Same temperature on the 2d and 3d.
i For the last 11 days of the month only.
j Observations taken at 8 a. m., 2 p. m., and 8 p. m.
k Same temperature on the 16th, 17th, and 31st.
l Observations interrupted for most part during the first half of the month.
m Observations taken at 7 a. m. and 2 and 8 p. m.
n Observations taken at 9½ a. m. and 3½ p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton	15.00	-------	18.00	-------	11	35	11	34.00	13	—10	13	— 6.00	----
Montreal	10 28	19.66	15.74	15.23	11	39.5	11	31.67	13	—19	13	— 8.83	5.8
Red River Settlement	—8.41	4.74	—5.11	—2.93	20	35	20	28.33	2	—36	2	—30.00	4.8
St. John's, Newfoundland (*a*)	26.07	30.50	28.64	28.40	17	41	17	37.33	16	13	----	-------	----
St. Martin	8.57	20.54	11.58	13.56	27	33	11	32.80	13	—21	13	11.20	5.4
Toronto (*b*)	11.10	21.82	14.65	15.86	22	34.5	20	29.87	13	—18.7	13	— 6.88	----
Wolfville	17.12	25.06	21.98	21.39	12	43	12	40.17	14	— 2	13	9.00	4.3
MAINE—													
Carmel (*c*)	8.04	25.96	12.92	15.64	12	46	12	33.33	1	—19	13?	—14.00?	4.9
Fryeburg	8.10	23.76	-------	15.93	22	40	12	35.00	14	—27	14	6.50	4.4
Gardiner	12.31	26.27	17.31	18.63	12	45	23	33.67	1	— 5	13	0.67	5.1
Perry	14.31	24.83	19.96	19.37	12	42	17	*d*33.33	14	— 4	13	0.67	4.3
Portland	12.55	26.58	16.96	18.70	23	43	23	32.33	14	— 6	13	1.00	4.9
Steuben	12.55	23.71	18.24	18.16	12	37	12	33.67	14	— 9	13	— 3.33	5.2
Windham	6.41	22.10	12.52	13.68	12	45	12	29.67	14	—22	14	— 6.67	3.3
NEW HAMPSHIRE—													
Concord	12.10	25.83	17.34	18.42	22	41	21	32.33	15	—12	13	0.00	3.6
Londonderry	13.24	24.59	16.83	18.22	23	45	21	32.67	14	— 7	13	— 1.00	4.1
Stratford	9.72	22.14	15.28	15.71	23	44	11	30.67	13	—14	13	— 6.00	6.2
VERMONT—													
Brandon	9.46	23.75	14.88	16.03	11	43	11	36.17	14	—16	13	— 6.33	5.1
Burlington	11 00	23.72	15.79	16.84	23	39	16	30.33	13	—17	13	— 6.67	3.7
Craftsbury	6.93	17.62	10.83	11.79	23	43	11	30.00	13	—21	13	—13.00	5.2
MASSACHUSETTS—													
Amherst	13.77	25.32	18.61	19.23	23	39	21	32.80	14	—11	13	1.00	4.4
Boston (*e*)	19.17	29.97	20.27	23.14	23	50	23	37.33	14	— 3	13	3.33	3.3
Lawrence (*f*)	14.93	-------	-------	14.93	----	37	----	-------	----	— 8	----	-------	----
Mendon	14.90	24.93	18.69	19.50	23	40	23	33.33	14	— 6	13	0.33	4.3
Nantucket	25.58	32.16	26.62	28.12	23	42	23	37.93	14	7	13	13.00	3.6
New Bedford	18.96	26.78	22.14	22.63	16	41	11	35.67	14	— 1	13	4.83	5.3
Newburyport	15.69	23.56	17.77	19.01	21	39	21	32.00	14	— 6.7	4	7.00	*g*8.1
North Attleborough	17.96	26.90	19.93	21.60	23	44	23	34.30	14	— 4.5	14	4.07	3.3
Princeton	13.97	20 88	15.07	16.64	23	37	23	32.40	14	— 8	3	— 4.00	4.9
Southwick	-------	-------	-------	-------	----	----	----	-------	----	-------	----	-------	*g*5.3
Richmond	12.45	24.41	17.24	18.03	11	46	11	35.33	13	—12	13	— 0.67	5.6
Springfield	24.24	35.52	29.72	29.83	23	49	26	44.17	14	— 6	3	— 3 17	4.1
Westfield	14.79	25.00	19.69	19.83	22	40	22	34.00	15	— 4	13	1.00	4.8
Williamstown	13.26	23.00	17.26	17.84	23	43	23	31 30	3	0	14	1.20	6.5
Worcester	16.05	26.29	19.69	20.68	12	57	12	38.67	14	— 8	13	0.50	4.1
RHODE ISLAND—													
Acquidneset (*g*)	14.78?	-------	-------	14.78?	----	----	----	-------	----	-------	----	-------	----
Providence (*h*)	19.20	28.90	20.00	22.70	22	*i*41	23	34.00	14	— 3	13	3.33	4.7
CONNECTICUT—													
New London	20.59	31.24	23.24	25.02	23	47	11	38.00	14	2	13	6.67	4.4
Norwich (*j*)	18.83	30.00	22.59	23.81	23	42	21	34.67	14	— 3	14	*k* 6.00	3.7
Pomfret	15.93	25.07	18.76	19.92	23	46	23	35.00	14	— 5	13	0.00	4.3
Saybrook	19.96	27.17	22.86	23.33	7	*i*40	11	35.33	3	*l*2	13	*m* 6.00	4.2
NEW YORK—													
Angelica	5.18	22.25	12.46	13.29	22	44	23	32.00	14	—40	13	—13.33	4.1
Baldwinsville	13.34	22.34	18.10	17.92	11	40	11	35.67	13	— 7	13	— 1.00	7.3
Beverly	16.41	25.04	21.12	20.86	22	42	23	35.33	14	— 4	13	5.00	5.1
Blackwell's Island	22.52	28.43	25.62	25.52	22	*i*42	23	38.00	14	4	3	9.00	5.8
Canton	9.14	22.34	16.03	15.84	11	42	11	36.33	13	—20	13	—11.67	6.2
Clinton	13.45	20.71	17.86	17.34	11	45	11	37.33	13	—15	13	— 6.00	7.1
Fishkill Landing	16.41	29.86	20.72	22.33	22	*i*44	21	36.33	14	—4	3	4.33	3.3
Flatbush	19.23	28.99	23.25	23.82	22	42	15	33.90	4	2.3	3	7.56	5.0

a Observations taken at 8 a. m., 3 p. m., and 9 p. m., for the last 14 days of the month only.
b Observations taken at 6 a. m., 2 p. m , and 10 p. m.
c Mean of the coldest day computed from the observations at 7 a. m. and 9 p. m., there being no observations at 2 p. m. on that day.
d Same temperature on the 16th.
e Observations taken at 10 a. m., 2 p. m., and 6 p. m.
f Observations taken at 6 a. m.
g Month incomplete.
h Observations taken at sunrise, 1 p. m., and 10 p. m.
i Same temperature on the 23d.
j For the last 17 days of the month only.
k Same temperature on the 13th.
l Same temperature on the 14th.
m Same temperature on the 3d.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date	Mean temp.	
	°	°	°	°		°		°		°		°	
NEW YORK—Continued.													
Fordham	19.79	30.13	23.93	24.62	22	43	23	a36.00	14	0	13	8.33	----
Geneva	14.12	22.31	19.43	18.62	----	43	23	34.33	----	—15	13	— 1.67	6.8
Homer	8.06	21.55	14.00	14.54	11	42	11	33.67	13	—14	13	— 5.67	7.6
Liberty	11.03	22.28	15.55	16.29	22	42	23	30.33	13	b— 9	13	— 4.67	5.8
Lodi	12.31	22.52	15.59	16.80	11	46	11	37.00	13	— 8	13	— 4.33	6.7
Madrid (c)	8.04	17.30	14.38	13.24	11	36	11	33.33	13	—18	13	—10.00	6.9
Morrisania	18.76	29.41	21.21	22.79	22	44	23	38.00	14	— 4	13	3.67	5.5
New York city	20.92	28.36	24.12	24.46	22	41	23	38.36	4	2	3	7.93	4.7
Oswego	13.83	23.31	18.21	18 45	11	47	11	38.33	13	—10	13	— 1.00	4.4
Ovid	14.10	21.17	17.86	17.71	11	44	11	37.33	13	— 6	13	— 3.00	6.6
Penn Yan (d)	11.55	20.86	20.14	19.32	23	47	23	35.67	14	— 9	13	— 2.00	6.7
Plattsburg	11.41	21.45	12.83	15.23	21	37	21	30.67	13	—16	13	— 7.00	4.5
Rochester, [Harkness]	14.4	23.9	18.7	19.00	----	42	----	-------	----	— 6	----	-------	----
Rochester, [Pratt]	14.40	21.90	18.70	18.33	22	39	11	35.70	14	— 5	15	— 1.20	8.3
Sag Harbor	20.86	32.03	23.86	25.58	23	50	22	e38.33	4	— 1	13	7.33	4.4
Smithville	8.65	22.65	15.13	15.48	16	37	16	31.67	13	—30	13	—11.00	6.5
Spencertown	12.17	24.41	16.59	17.72	11	f 40	11	34.00	14	—13	13	— 4.00	4.7
Wampsville	13.76	26.66	17.62	19.35	11	58	11	44.00	13	—15	13	— 3.00	7.7
Waterford (h)	16.39	27.80	21.11	21.91	----	40	----	-------	----	— 4	----	-------	----
Watertown	11.56	28.83	16.97	19.12	22	g 48	11	36.67	13	—27	3	— 4.00	7.0
NEW JERSEY—													
Bloomfield	18.76	30.14	22.47	23.79	21	50	21	38.00	14	— 2	3	5.67	4.9
Burlington	18.97	29.03	23.66	23.88	11	45	23	35.67	4	b 0	3	5.67	8.5
Lambertville	16.39	30.82	21.86	23.02	13	46	23	35.50	14	—4.75	3	3.83	5.2
Newark	-------	-------	-------	24.28	23	45	12	35.62	14	— 1	4	6.13	----
PENNSYLVANIA—													
Bedford	16.78	29.66	22.52	22.99	23	48	23	35.00	14	—17	4	1.67	6.4
Canonsburg	14.17	26.79	16.69	19.22	22	45	23	35.33	14	—22	5	— 7.67	----
Carlisle	15.78	27.29	20.32	21.13	23	46	23	37.33	14	— 8	3	1.00	5.3
Chromedale	19.28	28.84	23.32	23.81	22	42	23	35.10	14	— 5	3	7.40	5.1
Easton	17.78	33.69	20.75	24.07	29	54	23	38.67	14	— 6½	13	4.00	4.9
Fleming (i)	16.86	30.48	-------	15.78	11	48	----	-------	14	— 9	----	-------	----
Gettysburg	15.34	30.97	21.41	22.57	23	52	23	39.33	14	— 9	3	— 0.67	5.1
Harrisburg	20.16	29 59	25.12	24.96	22	45	29	37.33	14	2	13	j 9.00	5.0
Lancaster	-------	-------	-------	-------	11	61	----	-------	14	—25	----	-------	----
Lewisburg (k)	13.33	26.98	19.82	20.04	22	43	21	35.27	14	—21	13	— 0.73	6.4
Meadville	8.86	27.83	13.31	16.67	22	49	26	29.33	14	—27	13	—13.00	6.3
Morrisville	18.38	32.90	22.62	24.63	22	49	23	35.67	6	— 2	3	8.33	3.9
Moss Grove	10.48	23.72	14.86	16.35	11	l 36	11	32.00	13	—18	13	— 8.67	5.7
Nazareth	14.69	27.90	17.86	20.15	22	g 45	23	37.67	14	— 9	3	1.67	5.2
Norristown	20.43	30.22	25.04	25.23	11	m43	23	36.70	14	0	13	7.33	5.8
North Whitehall	15.62	29.21	24.93	23.25	22	44	23	36.33	10	b— 6	13	5.00	----
Paradise	-------	-------	-------	32.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	22.36	31.19	26.62	26.72	22	48	23	40.20	4	b 3	13	8.20	5.8
Pittsburg	16.72	26.90	21.17	21.60	11	42	7	36.33	14	—15	3	— 1.67	----
Pocopson	18.86	29.91	23.21	23.99	23	n 44	23	36.67	14	— 1	13	6.00	5.8
Randolph	9.93	23.34	12.48	15.25	22	50	11	32.33	3	—17	13	10.00	----
Troy Hill	15.48	26.83	20.45	20.92	11	o 40	23	p35.33	14	—22	3	4.67	----
West Haverford	20.93	32.45	-------	26.69	11	50	23	39.00	4	b 2	4	7.50	5.3
DELAWARE—													
Newark, [Crawford] (q)	20.56	30.26	24.50	25.10	11	46	29	33.67	4	b— 1	13	7.00	5.1
MARYLAND—													
Annapolis, [Goodman]	-------	-------	-------	28.10	23	53	----	-------	14	— 2.5	----	-------	----
Annapolis, [Zumbrock] (r)	23.97	30.79	26.41	27.06	22	48	22	41.33	14	0	13	8.50	5.2

a Same temperature on the 21st.
b Same temperature on the 14th.
c For the first 22 days of the month only.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 11th.
f Same temperature on the 16th and 22d.
g Same temperature on the 23d.
h Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m.
i Observations taken at sunrise and noon.
j Same temperature on the 3d.
k Observations taken at 6 a. m., 2 p. m., and 10 p. m.
l Same temperature on the 21st and 29th.
m Same temperature on the 22d.
n Same temperature on the 26th.
o Same temperature on the 7th, 22d, and 23d.
p Same temperature on the 7th.
q Month incomplete.
r Observations taken at 7½ a. m., 2 p. m., and 9 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Bladensburg (*a*)	19.53	35.75	23.30	26.19	23	55	8	34.00	14	—1.25	3	9.33	4.9
Chestertown	20.96	30.48	22.64	24.69	22	45	23	38.00	4	0	4	5.67	4.8
Frederick	21.43	32.14	25.62	26.39	23	48	23	46.33	14	— 5	3	7.97	5.0
Sykesville	17.72	31.76	22.72	24.04	23	53	23	39.67	14	— 8	4	3.33	4.4
DISTRICT OF COLUMBIA—													
Washington	21.72	32.41	26.81	26.98	23	52	23	42.67	4	*b* 2	4	8.00	4.4
VIRGINIA—													
Alexandria	22.69	33.52	27.54	27.92	23	53	23	44.00	4	2.5	4	7.80	4.8
Berryville (*a*)	19.53	27.85	24.06	23.81	25	45	25	37.00	4	— 4	4	3.00	4.4
Buffalo	21.28	34.45	26.24	27.32	26	55	26	42.00	5	— 9	4	—0.33	5.7
Crack Whip	19.17	33.90	26.21	26.43	23	52	23	42.00	13	— 8	5	0.67	2.7
Crichton's Store (*c*)	33.75	41.48	42.10	39.11	23	62	23	58.00	4	9	4	14.67	5.3
Garysville (*d*)	24.74	36.74	34.81	32.10	23	62	23	53.33	4	0	4	10.00	....
Huntersville	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.4
Kanawha (*e*)	24.45	34.17	29.79	29.47	26	52	27	42.33	4	*f* 0	4	5.33	....
Lewisburg	22.10	35.76	28.41	28.76	26	50	7	4.00	19	0	4	9.33	6.4
Peach Grove Lodge	19.69	35.24	23.31	26.08	22	58	26	40.00	5	—13	4	*g*—1.67	3.7
Rougemont (*h*)	31.82	.....	42.50	37.16	23	53	23	46.50	1	25	28	28.00	....
Smithfield	.....	.....	.....	32.65	23	60	26	45.50	4	1	4	10.50	....
Winchester	22.48	37.07	25.69	28.41	23	54	23	45.00	14	0	4	8.00	5.5
NORTH CAROLINA—													
Chapel Hill	29.79	45.41	35.83	37.01	23	65	23	54.33	4	5	4	11.67	5.5
Goldsborough	34.63	48.07	39.76	40.82	23	66	16	59.00	4	11	4	16.00	4.6
SOUTH CAROLINA—													
Aiken	38.14	53.15	45.00	45.43	29	69	28	59.00	5	12	4	23.67	....
All Saints	40.55	52.48	45.00	46.01	27	68	27	60.00	5	17	5	26.00	4.0
Camden	34.65	52.97	41.75	43.12	28	69	16	60.33	5	6	4	19.67	5.1
Charleston, [Johnson]	43.10	53.66	47.79	48.18	28	70	28	61.33	5	22	4	29.67	....
Charleston, [Dawson]	43.10	53.65	44.34	47.03	....	70	....	.....	....	22	....	.....	....
Edisto Island (*j*)	46.14	55.48	48.33	49.98	28	72	28	62.33	14	34	14	37.67	3.9
St. John's (*k*)	38.97	50.58	45.24	41.60	16	70	16	60.67	5	16	5	25.67	....
GEORGIA—													
Savannah	42.90	56.50	48.80	49.40	28	73	28	62.97	5	19.6	5	29.00	4.0
Sparta	35.14	51.83	43.31	43.43	29	69	16	59.33	5	9	4	18.00	4.5
Thomaston	41.76	49.40	49.57	46.91	28	65	29	*l*61.00	4	10	4	18.50	4.6
Whitemarsh Island	44.24	56.58	49.35	50.06	16	70	16	62.00	5	22	4	30.00	4.1
Zebulon	40.58	53.10	48.64	47.44	28	70	29	64.00	4	8	4	16.00	2.8
FLORIDA—													
Atsena	50.45	56.79	54.79	54.01	29	75	29	68.00	5	26	4	33.67	4.3
Gainesville	46.41	64.34	53.62	54.79	29	79	26	66.33	5	21	4	33.00	3.2
Jacksonville	44.06	63.24	52.75	53.35	28	79	28	*m*65 67	5	26	5	*n* 33.33	4.4
Salt Ponds	63.34	69.38	.....	66.36	28	81	28	76.50	5	45	5	49.00	....
Warrington	45.86	56.30	53.97	52.04	27	*i* 74	27	65.00	4	15	4	25.67	5.4
ALABAMA—													
Auburn	29.00	52.62	46.21	45.94	16	*l* 69	29	61.33	4	8	4	17.00	4.3
Greene Springs (*k*)	39.40	54.80	46.80	47.00	28	72.5	16	62.17	4	8	4	17.33	7.8
MISSISSIPPI—													
Columbus	36 29	50.52	43.05	43.29	28	73	16	59.83	4	4.5	4	12.67	....
Oxford	33.03	46.00	38.31	39.11	28	65	15	53.67	4	— 1	3	7.33	5.1
Port Gibson	39.93	52.97	49.24	47.38	28	73	28	63.67	4	12	4	18.33	6.3
LOUISIANA—													
New Orleans	52.79	60.55	59.55	57.63	28	80	28	76.67	5	*n* 26	4	30.00	....
TEXAS—													
Austin	37.21	56.76	45.96	46.64	16	83	16	61.00	4	12	3	22.33	5.7
New Braunfels	41.34	60.19	48.66	50.06	15	77	16	65.33	3	18	3	26.00	6.3
Pin Oak (*o*)	40.83	53.69	53.86	49.46	16	80	16	70.00	3	16	3	23.33	2.6

a Month incomplete.
b Same temperature on the 6th and 14th.
c Observations taken at 9 a. m., noon, and 4½ p. m.
d Observations taken at sunrise, 2 p. m., and sunset.
e Observations taken at 7 a. m., 1 p. m., and sunset.
f Same temperature on the 5th.
g Same temperature on the 3d.
h Observations taken at sunrise and sunset.
i Same temperature on the 28th.
j For the last 21 days of the month only.
k Observations taken at sunrise, 2 p. m., and 9 p. m.
l Same temperature on the 29th.
m Same temperature on the 27th.
n Same temperature on the 4th.
o Observations taken at sunrise, noon, and sunset.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TENNESSEE—	°	°	°	°		°		°		°		°	
Glenwood Cottage	28.23	38.95	32.83	33.34	16	53	27	45.80	4	— 3	3	2.53	6.5
KENTUCKY—													
Ballardsville	22.38	30.55	26.38	26.44	26	54	26	44.00	4	—14	3	— 6.67	6.6
Danville	23.48	36.72	28.97	29.72	26	53	26	43.33	4	—15	3	— 5.33	5.2
Millersburg	22.34	32 14	26.17	26.88	26	50	26	41.33	5	—15	3	— 4.00	6.8
Paris	22.79	32.11	26.62	27.17	26	51	26	42.33	5	—13	3	— 4.33	6.0
Springdale	24.24	35.52	29.72	29.83	26	56	26	44.17	4	—22	3	— 3.17	6.0
OHIO—													
Bellefontaine	13.86	25.00	20.24	19.70	26	56	26	40.67	4	—18	4	— 6.33	5.7
Cheviot	19.72	32.41	24.76	25.63	26	56	26	45.67	3	—15	3	— 4.67	5.9
Cincinnati, [Lea]	------	------	------	27.66	26	54	----	-------	4	—12	3	— 2.00	----
Cincinnati, [Harper]	21.48	35.28	27.17	27.98	26	59	23	39.67	4	—13	3	— 1.33	6.0
Cincinnati, [Telegraph] (*a*)	21.90	32.93	27.90	27.58	26	58	23	40.00	4	—10	3	— 1.67	5.8
Cleveland	13.09	25.22	17.38	18.56	22	47	23	32.83	19	—13	13	— 3.33	7.0
College Hill	18.88	30.29	23.72	24.29	26	54	26	44.83	3	—17.5	3	— 8.00	5.5
Dayton, [Cooper F. Sem.]	------	------	------	24.50	26	53	----	-------	4	—21	----	-------	----
Gallipolis	21.52	34.90	26.41	27.61	26	56	26	43.00	5	— 4	3	3.67	----
Germantown, [Groneweg]	14 67	29.30	19.17	21.05	26	50	26	39.65	4	—30	3	—11.87	6.4
Granville	16.75	28.14	21.32	22.07	26	49	26	40.67	14	—18	4	— 2.33	6.3
Hillsborough	18.59	29.66	23.17	23 80	26	49	26	41.67	4	—14	3	— 5.33	5.2
Hiram	14.93	25.21	15.43	18.52	22	43	11	34.33	13	—14	13	— 8.00	4.5
Oberlin	14.90	27.21	18.79	20.30	22	48	11	36.67	19	—13	13	— 1.33	5.8
Perrysburg (*b*)	16.38	28.86	20.38	21.87	22	48	11	36.00	3	—10	3	1.00	---
Portsmouth	24.07	33.45	29.28	28.93	26	58	26	48.00	4	— 8	4	2.00	6.7
Savannah	12.52	25.86	17.55	18.64	22	50	26	35.00	14	—21	14	— 4.33	6.2
Unionville	16.72	27.31	18.38	20.80	22	47	11	36.00	14	—11	13	— 2.67	6.8
Urbana	13.21	30.10	18.86	20.72	22	*c* 50	26	39.67	4	—22	4	— 7.00	6.6
MICHIGAN—													
Ann Arbor, [Woodruff]	9.45	23.52	14.24	15.74	22	42	11	32.33	19	—19	13	— 9.00	6.6
Ann Arbor, [Winchell]	11.89	24.36	13.59	16.61	20	*d* 42	11	32.67	19	—14 *e*	13	— 7.67	6.5
Battle Creek	10.66	27.24	13.86	17.25	21	*d* 44	20	32.33	13	—17	13	— 9.00	6.4
Cooper	13.48	23.93	14.93	17.45	22	40	20	30.67	13	— 8	13	— 2.67	5.0
Copper Falls Mines	------	------	------	2.12	----	36.50	----	-------	----	—20	----	-------	----
Eagle River (*f*)	10.79	15.93	9.97	12.23	21	42	21	30.33	12	—16	12	—14.00	----
Grand Rapids, [Currier]	11.03	21.97	14.24	15.75	28	38	20	30.00	3	—24	13	— 5.00	6.2
Romeo (*g*)	9.88	21.63	13.06	14.86	20	37	11	30.41	3	—14	13	— 6.83	6.5
St. James	7.92	15.92	9.73	11.19	20	*h* 40	21	27.00	13	—19.5	12	— 9.83	4.8
Saugatuck	14.45	25.24	16.41	18.70	20	43	20	33.67	13	—10	13	— 4.00	7.6
INDIANA—													
New Harmony	19.93	33.16	24.62	25.90	26	54	26	45.33	4	—20	3	— 9.33	6.3
Richmond	------	------	------	22.53	----	------	26	37.34	4	—24	4	— 7.33	6.2
ILLINOIS—													
Athens	14.07	30.48	18.00	20.85	26	56	26	41.67	3	—28	3	—14.33	5.5
Augusta	13.55	25.86	17.82	19.08	26	52	26	41.00	3	—28	3	—14.67	5.0
Manchester (*i*)	15.38	32.79	18.86	22.34	10	55	26	41.67	3	—25	3	—11.67	6.0
Ottawa (*j*)	17.14	29.66	17.74	21.51	23	46	20	36.00	3	—16	3	— 6.00	3.8
Pekin (*k*)	------	------	------	18.53	----	50	----	------	----	—25	----	-------	----
Upper Alton	17.90	34.89	22.57	25.12	26	58	26	44.00	3	—18	3	— 7.33	4.8
Warsaw	17.03	------	------	17.03	16	*l* 37	----	-------	3	—24	----	-------	----
West Salem	17.97	34.00	24.55	25.51	26	60	26	44.67	3	—19	3	— 7.33	6.3
MISSOURI—													
Hannibal (*m*)	24.45	32.17	22.62	26.41	26	50	26	43.33	4	— 5 *n*	3	— 3.00	6.2
St. Louis	21.60	32.80	25.50	26.63	26	55	26	45.67	3	—15	3	— 5.67	5.8
WISCONSIN—													
Appleton	7.93	22.86	13.97	14.92	21	*o* 42	26	*p*29.67	4	—17	2	— 8.33	----

a Observations taken at 9 a. m., 1 p. m., and 6 p. m.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 26th.
d Same temperature on the 22d.
e Same temperature on the 12th and 13th.
f Observations taken at 9 a. m., 3 p. m., and 9 p. m.
g Observations taken at 9 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 21st and 29th.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Observations taken at 8 a. m., 2 p. m., and 9 p. m.
k Observations taken at sunrise and 1 p. m.
l Same temperature on the 28th.
m Observations taken at 9 a. m., 2 p. m., and 9 p. m.
n Same temperature on the 3d.
o Same temperature on the 22d.
p Same temperature on the 20th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
WISCONSIN—Continued.	°	°	°	°		°		°		°		°	
Beloit	8.79	22.45	12.83	14.69	22	*a* 40	28	32.00	3	—24	3	—11.00	2.8
Janesville	7.27	22.79	10.44	13.50	22	*b* 40	27	32.67	3	—25	3	—13.33	5.7
Kenosha	12.26	23.81	15.79	17.29	21	39	26	32.00	3	—16	2	— 8.50	4.2
Manitowoc	------	------	------	19.00	----	49	----	------	----	—16	----	------	----
Milwaukee, [Winkler]	9.86	22.07	13.14	15.02	22	40	27	*c* 29.33	2	—18	2	—12.00	4.6
Milwaukee, [Pomeroy]	10.31	24.79	13.69	16.26	21	41	26	32.00	2	—18 *d*	2	—12.67	----
Platteville	9.41	22.96	14.69	15.69	26	44	27	33.67	3	—26	2	—14.67	4.9
Racine, [Seymour]	------	------	------	14.21	----	------	20	31.00	----	------	3	—14.00	6.9
Superior	5.26	20.83	13.41	13.17	20	45	22	*e* 30.00	22	—30	2	— 9.67	2.6
IOWA—													
Bellevue (*f*)	12.00	28.00	17.00	19.00	----	42	----	------	----	—26	----	------	----
Dubuque	11.83	23.52	16.48	17.28	21	41	22	33.33	3	—20 *g*	3	— 9.00	3.7
Fort Madison (*h*)	14.10	26.21	19.07	19.79	15	48	22	37.00	3	—26	3	—14.33	7.8
Muscatine	9.83	22.28	12.86	14.99	25	42	22	34.33	4	—29	4	—14.33	5.1
Pella	9.72	23.59	13.69	15.66	25	44	15	35.00	4	—28	3	—17.67	----
Pleasant Plain (*i*)	11.93	26.31	15.48	17.90	25	53	25	38.00	3	—22 *g*	3	—10.50	----
Poultney	6.89	22.29	13.41	14.20	22	39	26	*j* 30.67	3	—25	2	—15.00	4.9
Quasqueton (*k*)	4.50	18.10	6.28	9.56	25	39	27	30.85	8	—27	3	—14.67	4.9
MINNESOTA—													
Hazlewood	5.52	21.22	9.59	12.11	21	*l* 42	25	31.00	2	—24	2	—21.00	5.7
CALIFORNIA—													
Sacramento	47.03	58.66	53.17	52.95	24	66	16	57.33	7	42 *m*	7	44.33	2.6
San Francisco	48.69	58.34	48.38	51.80	24	68	24	59.33	2	43 *n*	2	47.00	3.0
Stockton	46.72	56.76	52.00	51.82	15	64	17	56.33	7	42	29	*o* 48.00	----
MEXICO—													
City of Mexico	54.21	69.62	57.48	60.44	29	79	29	*a* 67.00	3	30	12	52.00	8.1
Mirador (*p*)	------	------	------	69.35	----	------	----	78.04	----	------	----	54.12	----
WEST INDIES—													
Up Park Camp, Jamaica (*q*)	------	------	------	79.65	----	94	----	------	----	68	----	------	4.0
SOUTH AMERICA—													
Catharina Sophia, Surinam (*r*)	77.52	87.48	81.41	82.14	3	*s* 94	14	85.33	8	72	19	77.67	2.7

a Same temperature on the 28th.
b Same temperature on the 25th, 27th, and 28th.
c Same temperature on the 22d.
d Same temperature on the 3d.
e Same temperature on the 20th.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m.
g Same temperature on the 4th.
h Observations taken at 6 a. m., noon, and 7 p. m.
i Observations taken at sunrise, noon, sunset, and 9 p. m.
j Same temperature on the 19th.
k Month incomplete.
l Same temperature on the 25th.
m Same temperature on the 28th and 29th.
n Same temperature on the 5th.
o Same temperature on the 8th and 28th.
p Observations taken at 7 a. m., 2 p. m., and 8 p. m.
q Observations taken at 9½ a. m. and 3¼ p. m.
r Observations taken at 6 a. m., 2 p. m., and 6 p. m.
s Same temperature on the 2d and 4th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	24.03	.....	24.55	24.29	24	37	24	36.50	9	— 3	9	— 1.50	....
Montreal	16.84	29.28	22.16	22.75	25	48	25	37.33	10	—11	9	— 1.90	6.1
Red River Settlement	1.77	19.23	6.55	9.18	20	44	22	32 00	8	—32	8	—20.67	3.9
St. John's (*b*)	23.00	28.17	23.57	24.91	29	36	29	31.67	6	13	13	15.00	....
St. Martin	11.94	30.63	17.37	19.98	25	53	21	36.20	10	—16	9	— 1.53	5.1
Stanbridge	14.23	28.39	19.00	20.54	24	52	20	33.67	10	—26	10	— 7.67	5.6
Toronto (*c*)	17.77	28.49	22.49	22.92	21	39.5	24	34.35	9	—13.6	8	1.03	5.2
Wolfville	20.37	31.08	25.63	25.69	20	47	22	35.00	10	2	10	9.67	3.4
MAINE—													
Carmel	12.76	32.93	16.04	20.58	21	*d* 49	25	38.50	10	—26	10	— 4.33	3.7
Cornish (*e*)	24.08	39.08	26.80	29.99	22	52	21	37.67	28	13	28	16.67	5.3
Fryeburg	14.50	33.00	.....	23.75	22	*f* 47	23	36.50	10	—25.5	10	— 8.60	3.1
Gardiner	19.23	33.79	23.48	25.50	16	44	16	34.50	10	—10	10	1.33	3.1
Perry	17.55	30.61	23.00	23 72	22	*g* 40	26	32.67	10	*h* 0	10	6.67	3.2
Portland	18.97	34.88	23.31	25.72	25	49	25	35.83	10	— 7	10	1.67	4.2
Steuben	17.84	29.42	22.39	23.22	26	55	26	40.67	10	— 2	9	3.00	4.7
NEW HAMPSHIRE—													
Concord	18.58	33.87	25.94	26.13	24	47	25	37.67	10	—14	10	— 3.00	2.7
Londondery	18.55	33.06	24.00	25.20	24	49	20	37.33	10	— 8	10	0.33	3.0
Manchester	18.68	33.97	25.84	26.16	21	53	21	39.00	10	—11	10	— 0.67	4.1
Stratford (*i*)	18.17	31.45	21.58	23.73	25	42	21	31.67	28	8	27	12.00	6.7
North Barnstead	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.6
VERMONT—													
Brandon	16.81	29.96	21.49	22.75	24	44	24	35.17	10	—17	9	— 2.50	5.0
Burlington	17.87	32.94	22.61	24.47	22	51	22	33.33	10	—15	9	— 1.67	3.7
Craftsbury	13.42	25.55	17.55	18.84	24	42	23	33.00	10	—11	9	— 2.00	6.1
Norwich	11.77	32.00	20.16	21.31	20	49	22	35.33	10	—25	10	— 6.67	3.4
Shelburn	17.26	31.97	22.23	23.82	20	48	20	36.67	10	—22	10	— 0.67	4.5
MASSACHUSETTS—													
Amherst	20.12	33.03	24.49	25.88	24	45	22	36.67	10	— 9	10	3.80	4.3
Boston (*j*)	22.26	36.29	26.58	28.38	24	50	24	*k* 38.00	10	— 3	10	5.00	2.3
Cambridge (*l*)	21.19	32.67	26.88	26.91	24	43	26	*f* 35.67	10	— 3	10	3.33	4.6
Lawrence (*m*)	17.90	.....	.....	17.90	....	30	....	.....	....	— 7	....	.....	....
Mendon	20.81	31.61	23.74	25.39	24	44	24	34.33	10	— 5	10	2.33	3.9
Nantucket	30.94	36.87	31.26	33.02	18	44	24	39.50	10	13	10	15.17	3.7
New Bedford	24.8	34.3	28.1	29.06	21	46.5	27	38.67	10	1	10	6.67	4.7
Newburyport	20.4	34.5	25.1	26.66	24	43	26	36.65	9	0.6	10	4.97	7.5
North Attleborough	23.43	32.98	29.54	28.65	24	44	21	37.00	10	— 2	10	3.83	3.3
Princeton	19.16	26.96	20.81	22.31	24	40	21	33.50	9	— 6	10	— 1.00	4 0
Richmond	17.55	32.29	23.03	24.29	21	54	21	38.67	9	—10	10	— 0.33	5.2
Southwick	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.5
Springfield	21.74	37.00	25.26	28.00	20	50	23	39.00	10	— 5	10	3.67	3.8
Taunton	25.16	37.32	28.80	30.43	24	52	21	40.33	10	— 3	10	6.33	2.6
Westfield	19.94	32.16	25.00	25.66	22	*n* 42	22	36.00	10	— 2	10	3.33	4.9
Williamstown	18.7	29.9	21.8	23.46	24	42	21	33.60	10	— 7.5	9	0.40	5.8
Worcester	20.87	33.68	25.71	26.75	24	*o* 42	25	*p* 35 67	10	— 4	10	6.33	3.8
RHODE ISLAND—													
Acquidneset (*q*)	33.50?	41.50?	17.00?	30.66?	....	.....	....	.....	....	.....	....	.....	....
Providence (*r*)	23.1	34.7	25.5	27.76	24	46	22	36.00	10	— 2	10	4.33	3.6
CONNECTICUT—													
Georgetown	21.78	35.00	25.45	27.41	18	*f* 46	21	38.00	10	0	10	6.00	4.2
New London	27.23	36.87	28.52	30.87	20	48	21	41.67	9	8	10	8.33	3.3
Norwich	24.68	34.26	26.84	28.59	24	47	15	37.33	10	2	10	5.67	2.7
Pomfret	21.03	31.23	24.03	25.43	24	46	24	36.33	10	— 3	10	1.00	3.9
Saybrook	25.77	33.23	28.48	29.16	22	42	21	37.00	10	2	10	8.33	4.0

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., 3 p. m., and 9 p. m. No report from the 15th to the 21st.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 22d.
e For the last 12 days of the month only.
f Same temperature on the 21st.
g Same temperature on the 25th, 26th, 30th, and 31st.
h Same temperature on the 11th.
i Observations for the most part taken during the last 12 days of the month.
j Observations taken at 10 a. m., 2 p. m., and 6 p. m.
k Same temperature on the 20th.
l Observations taken at sunrise, 3 p. m., and 9 p. m.
m Observations taken at 6 a. m.
n Same temperature on the 24th and 25th.
o Same temperature on the 25th and 26th.
p Same temperature on the 24th.
q Very incomplete.
r Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG	WARMEST DAY.			LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date	Mean temp.	
NEW YORK—	°	°	°	°		°		°		°		°	
Angelica	15.35	33.48	19.32	22.72	23	58	24	42.33	10	—28	9	— 7.33	5 4
Baldwinsville	20.39	29.16	22.97	24.17	25	44	25	*a*35.67	9	— 5	9	— 0.33	6 7
Beverly	23.07	33.66	27.42	28.05	21	43	20	37.00	10	0	10	7.00	4.7
Blackwell's Island	28.29	35.00	31.71	31.66	21	44	23	39.33	10	6	10	8.00	5.7
Canton	16.64	31.38	22.96	23.66	25	48	25	42.67	10	—14	9	— 3.00	5.7
Clinton	18.67	26.87	21.58	22.37	22	42	24	35.00	9	—12	9	2.67	6.6
Eden	18.42	29.77	21.06	23.08	22	47	23	36.00	8	—13	8	— 6.00	5.8
Fishkill Landing	21.45	38.23	26.42	28.70	20	*b* 48	20	38.67	10	— 1	10	6.67	3.6
Flatbush	26.21	36.16	29.94	30.77	20	45	26	38.33	10	4.2	10	10.10	4.9
Geneva	20.95	29.85	23.48	24.76	----	49	24	39.83	----	— 5	9	0.33	6.0
Liberty	16.55	27.77	19.82	21.38	21	41	13	47.00	10	— 9	9	1.50	4.7
Lodi	19.06	29.87	19.87	22.93	24	50	24	38.67	9	— 8	9	— 1.33	6.4
Madrid (*c*)	23.05	37.41	23.48	27.98	25	50	25	42.27	11	6	13	18.83	6.5
Mexico	21.78	31.13	24.38	25.76	----	40	25	35.47	----	—11	9	2.70	6.6
Morrisania	25.61	36.32	27.39	29.77	17	50	25	39.00	10	1	10	7.67	4.3
New York city	27.52	35.63	30.51	31.22	21	45	23	38.86	10	5.4	10	10.96	4.4
North Salem	20.16	33.95	25.85	26.65	----	46	21	35.33	----	— 2	10	5.33	4.4
Oswego	18.81	29.03	21.10	22.98	19	42	24	35.00	9	— 6	9	2.00	6.7
Ovid	20.52	27.55	22.35	23.47	24	48	24	38.67	9	— 3 *d*	9	0.00	6.2
Penn Yan (*e*)	17.68	31.75	24.94	24.79	24	46	24	37.67	10	—12	9	2.00	6.6
Plattsburg	18.03	29.13	21.52	22.89	23	46	23	38.00	10	—10	9	2.67	5.1
Rochester, [Harkness]	23.1	30.8	25.9	26.60	----	45	----	-------	----	— 2	----	-------	----
Rochester, [Pratt]	21.53	29.51	24.48	25.17	23	45	24	37.80	9	— 3	9	1.00	6.1
Sag Harbor	26.74	38.13	28.97	31.28	15	47	21	38.67	10	3	10	8.33	4.4
Smithville	14.38	29.09	19.38	20.95	20	*f* 44	24	36.67	9	—20 *d*	10	— 6.67	4.8
Spencertown	18.16	32.00	21.97	24.04	20	47	20	38.00	10	—10	10	— 3.00	4.1
Wampsville	20.90	34.03	21.97	25.63	21	52	25	39.33	9	—10	9	0.33	6.8
Watertown	18.39	38.16	20.58	25.71	20	*b* 56	25	39.33	9	—20	9	— 6.67	5.9
Waterford (*g*)	20.73	33.54	20.00	25.59	----	45	----	-------	----	— 6	----	-------	----
NEW JERSEY—													
Bloomfield	25.34	37.42	29.29	30.68	15	58	15	42.00	10	2	10	9.67	3.9
Burlington	24.77	37.48	29.39	30.55	21	*h* 47	21	38.00	10	4	10	10.00	6.4
Lambertville	23.32	38.27	30.41	30.67	21	51	25	39.42	10	— 0.75	10	9.33	5.8
Newark	-------	-------	-------	30.56	20	50	25	*i*38.00	10	2.5	10	7.75	----
PENNSYLVANIA—													
Bedford	21.98	32.24	28.28	27.50	21	54.5	20	41.33	10	— 8	10	6.00	4.9
Cannonsburg	20.39	34.68	23.00	26.02	21	50	20	40.67	10	—12	10	4.00	----
Carlisle	21.81	36.45	27.58	28.61	21	55	21	40.17	10	— 4	10	5.67	4.2
Chromedale	36.18	37.31	29.71	34.40	27	48.5	25	39.00	10	5	10	11.50	4.2
Easton	21.92	42.12	27.43	30.49	21	57	23	42.33	10	0	10	8.33	4.8
Fleming (*j*)	22.92	39.00	-------	30.96	20	58	----	-------	10	— 6	----	-------	----
Gettysburg	22.45	39.26	27.97	29.89	21	58	21	42.33	10	— 5	10	7.00	4.7
Harrisburg	27.13	39.27	32.00	32.80	21	50	25	41.00	11	8	9	16.67	4.4
Lewisburg (*k*)	18.99	35.35	24.75	26.03	23	47	25	36.93	10	— 8	10	4.73	5.1
Meadville	17.58	34.13	18.61	23.44	20	55	20	40.67	10	—16	9	— 5.00	5.1
Morrisville	25.65	39.29	29.48	31.47	20	49	25	40.00	10	4	10	8.00	3.9
Moss Grove	16.39	29.43	20.13	21.98	20	50	20	39.33	10	—12	9	— 3.00	5.2
Nazareth	21.58	37.84	22.71	27.38	23	52	23	37.33	9	3	10	8.00	4.2
Norristown	26.91	37.29	30.29	31.50	21	47	21	39.00	10	3 8	10	10.93	4.0
North Whitehall (*j*)	20.32	35.68	30.16	28.72	20	48	23	38.00	10	— 6	10	7.00	----
Paradise	-------	-------	-------	29.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	28.5	38.7	32.9	33.36	20	49	21	42.67	10	4.5	10	11.5	4.8
Pittsburg	23.00	33.13	26.26	27.46	24	*l* 48	20	41.00	10	— 4	10	5.33	----
Pocopson	25.35	38.15	29.84	31.11	20	50	25	39.00	10	3	10	10.67	4.9
Shamokin	-------	-------	-------	-------	20	62	----	-------	10	— 7	----	-------	----
Troy Hill	22.42	35.13	28.10	28.55	20	50	20	41.67	10	— 4	10	5.33	----
West Haverford	27.29	39.61	-------	33.41	20	52	21	45.00	10	6	10	12.50	4.9

a Same temperature on the 21st and 24th.
b Same temperature on the 21st.
c For the last 21 days of the month only.
d Same temperature on the 10th.
e Observations taken at sunrise, 2 p. m., and sunset.
f Same temperature on the 21st and 23d.
g Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m.
h Same temperature on the 4th.
i Same temperature on the 24th.
j Observations taken at sunrise, noon, and sunset.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.
l Same temperature on the 25th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
DELAWARE—	°	°	°	°		°		°		°		°	
Newark, [Crawford] (*a*)	23.50	38.50	26.33	29.44	18	47	---	-------	10	10 *b*	----	--------	2.5
MARYLAND—													
Annapolis, [Zumbrock] (*c*)	31.78	41.24	33.30	35.44	20	59	20	45.63	10	8	10	14.67	4.8
Annapolis, [Goodman]	-------	-------	-------	35.09	19	59	----	-------	10	6	----	--------	----
Bladensburg	26.97	41.45	30.68	33.03	20	57	20	43.00	10	5	10	12.00	3.7
Frederick	27.05	40.15	31.55	32.92	21	59	21	45.50	10	4	10	13.00	4.9
Sykesville	25.00	39.55	29.13	31.23	21	55	21	43.33	10	— 3	10	9.00	3.8
DISTRICT OF COLUMBIA—													
Washington	29.95	41.66	34.60	35.40	20	57	20	46.33	10	7	13	32.00	3.6
VIRGINIA—													
Alexandria	30.52	42.45	34.81	35.93	20	*d* 54	20	45.33	10	6	10	14.67	4.6
Berryville	27.04	39.65	30.88	32.52	21	54	20	43.67	10	2	10	8.33	4.4
Buffalo	30.64	41.48	32.12	34.75	20	57	20	47.33	10	8	10	17.33	4.6
Crichton's Store (*e*)	37.82	48.40	49.55	45.26	24	*f* 61	24	55.00	10	21	10	27.00	4.9
Garysville (*g*)	31.74	46.77	43.84	40.78	24	65	24	51.67	10	10	10	18.67	----
Kanawha (*h*)	30.87	42.23	37.39	36.83	20	*i* 53	21	47.00	10	9	10	23.00	----
Lewisburg	27.65	41.77	32.71	34.04	30	55	30	*j* 41.00	10	9	10	16.33	5.1
Peach Grove Lodge	26.19	40.10	29.00	31.76	21	*k* 52	24	42.67	10	—10	10	7.00	4.0
Rougemont (*l*)	32.00	-------	43.90	37.95	20	56	21	47.00	12	22	13	31.00	----
Smithfield	-------	-------	-------	38.36	24	62	24	48.50	9	12.5	10	21.50	3.8
Trout Run Valley	23.16	38.45	23.74	28.45	21	*m* 50	20	40.67	10	— 2	10	5.33	2.8
Winchester	29.32	44.23	31.87	35.14	21	60	21	46.67	10	2	10	11.33	3.8
NORTH CAROLINA—													
Chapel Hill	37.03	52.24	42.72	43.99	24	70	24	55.00	10	25	10	29.67	5.1
Goldsborough	41.06	52.67	44.35	46.03	24	70.5	24	59.33	10	24	10	28.50	5.4
SOUTH CAROLINA—													
Aiken	44.48	57.13	49.93	50.51	24	71	25	62.33	28	30	28	39.67	----
All Saints	45.10	55.68	49.00	49.93	24	71	24	60.67	29	32	28	39.67	5.6
Camden	43.87	57.26	46.39	49.17	24	73	24	62.67	10	31	13	37.00	5.9
Charleston, [Johnson]	49.10	57.87	51.45	52.81	24	*n* 68	16	60.33	28	36	28	43.67	----
Charleston, [Dawson]	49.96	57.87	51.45	53.09	----	68	----	-------	----	36	----	--------	----
Edisto Island	49.63	59.15	50.54	53.11	24	72	24	62.67	29	*o* 38	13	44.33	5.8
St. John's (*p*)	44.52	57.98	47.06	49.85	24	72	24	61.33	29	29	28	38.33	----
GEORGIA—													
Savannah	49.2	61.3	52.6	54.37	25	76	25	65 37	28	36	28	44.30	5.7
Sparta	41.94	56.32	47.65	48.64	24	73	24	62.33	29	28	28	38.33	5.6
Whitemarsh Island	49.97	56.42	52.23	52.87	25	73	25	63.67	28	37	28	42.67	5.7
Zebulon	47.77	57.83	53.70	53.10	26	70	26	62.67	28	38	22	44.33	1.9
FLORIDA—													
Atsena	58.48	63.52	61.48	61.16	18	72	18	68.00	23	47	3	52.00	5.5
Gainesville (*q*)	53.19	67.37	57.94	59.50	25	80	1	69.67	29	36	3	48.33	5.4
Jacksonville	56.51	67.70	60.74	61.65	31	83	25	71.00	29	42	14	*o* 49.67	5.9
Salt Ponds	69.16	76.55	-------	72.85	13	*r* 85	19	*s* 80.00	24	57	23	61.50	2.1
Warrington (*t*)	60.86	62.30	61.05	61.40	30	76	26	72.00	3	40	3	44.00	5.0
ALABAMA—													
Auburn	46.42	58.81	51.97	52.40	30	73	30	63.33	3	33	2	42.33	3.6
MISSISSIPPI—													
Columbus	43.21	57.34	50.33	50.29	24	77	24	64.43	3	31.5	2	39.93	4.7
Oxford	40.29	54.45	45.87	46.84	24	75	24	61.67	10	24	10	32.67	5.0
LOUISIANA—													
New Orleans	61.29	65.42	65.65	64.12	25	82	25	80.67	2	*u* 48	3	50.67	----
TEXAS—													
Austin	47.71	67.00	55.06	56.59	30	90	24	76.00	3	30	1	37.33	6.3
New Braunfels	51.94	69.23	58.87	60.01	30	95	30	76.67	3	32	1	39.67	4.7
Pin Oak (*v*)	49.68	61.39	60.32	57.13	30	83	30	75.33	2	28	1	36.67	2.9

a Very incomplete.
b Same temperature on the 11th.
c Observations taken at 7½ a. m., 2 p. m., and 7½ p. m.
d Same temperature on the 21st.
e Observations taken at 8½ a. m., noon, and 5 p. m.
f Same temperature on the 6th.
g Observations taken at sunrise, 2 p. m., and sunset.
h Observations taken at sunrise, 1 p. m., and sunset.
i Same temperature on the 21st and 24th.
j Same temperature on the 21st.
k Same temperature on the 4th.
l Observations taken at sunrise and sunset.
m Same temperature on the 4th, 6th, and 20th.
n Same temperature on the 16th.
o Same temperature on the 3d.
p Observations taken at sunrise, 2 p. m., and 9 p. m.
q Observations taken at 6 a. m., 2 p. m., and 7 p. m.
r Same temperature on the 19th.
s Same temperature on the 13th.
t But few observations up to the 13th of the month.
u Same temperature on the 3d and 4th.
v Observations taken at sunrise, noon, and sunset.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TENNESSEE—	°	°	°	°		°		°		°		°	
Glenwood	34.54	47.00	39.05	40.20	20	67	20	56.60	10	15.5	10	25.50	5.6
Knoxville	36.1	48.9	42.4	42.46	24	67	25	58.83	10	21	10	28.83	5.9
KENTUCKY—													
Ballardsville	29.58	40.19	34.23	34.66	21	*a* 53	20	47.33	10	9	10	19.67	4.9
Danville	31.26	46.58	36.61	38.15	20	62	20	51.67	10	5	10	20.00	4.7
Paris	29.58	40.94	32.71	34.41	20	59	20	49.00	10	6	10	18.00	5.4
Springdale	27.56	44.33	38.45	36.78	20	64	20	53.17	10	7	10	21.33	5.4
OHIO—													
Bellefontaine	21.03	34.55	23.81	26.46	20	50	20	42.33	10	— 8	9	5.33	4.5
Cheviot	26.83	39.76	31.71	32.76	31	53	24	45.00	10	4	10	17.67	4.6
Cincinnati, [Harper]	25.61	44.26	34.03	34.63	21	61	20	49.67	10	8	10	20.33	4.9
Cincinnati, [Telegraph] (*b*)	29.97	41.87	34.77	35.50	21	60	20	48.67	10	10	10	21.00	4.5
Cleveland	20.79	31.33	23.74	25.29	20	47	20	38.33	9	— 3	9	— 0.67	5.3
College Hill	26.65	39.02	31.99	32.55	20	58	20	49.17	10	1	10	15.67	3.9
Dayton, (Cooper F. Sem.)				29.50	20	56			10	— 3			
Franklin (*c*)	25.52	34.89	29.28	29.90	20	60	20	49.33	10	— 9	10	7.67	4.6
Gallipolis	28.65	43.10	32.35	34.70	21	59	21	*d*47.33	10	3	10	15.33	
Germantown, [Groneweg]	25.02	37.17	28.85	30.35	20	54	20	43.70	10	11	10	4.32	4.7
Granville	23.33	34.10	27.24	28.22	20	51	20	44.00	10	— 2	10	8.33	4.1
Hillsborough	25.81	36.68	29.90	30.80	20	55	20	46.33	10	1	10	11.83	4.3
Hiram	20.10	30.45	23.00	24.52	20	46	20	37.33	9	— 5	9	0.33	5.4
Jefferson	21.00	28.77	19.39	23.05	20	56	20	41.67	9	—15	9	— 9.00	5.3
Oberlin	21.5	33.7	24.0	29.73	23	48	20	38.67	9	— 2	9	4.67	3.8
Perrysburg (*e*)	26.58	36.03	27.77	30.13	17	*f* 48	24	42.00	9	*g* 0	9	4.00	
Portsmouth (*h*)	33.42	42.65	35.74	37.27	20	62	20	53.00	10	9	10	19 33	5.7
Savannah	18.58	34.23	24.19	25.66	20	54	20	42.00	10	—11	10	5.00	4.2
Unionville	22.42	31.55	23.60	25.86	21	*i* 44	24	38.00	9	— 8	9	— 3.33	5.4
Urbana	21.16	37.61	24.48	27.75	20	57	20	42.33	10	— 8	10	5.33	4.6
Zanesville, [Holston]	24.07	39.39	29.84	31.10	20	60	20	46.67	10	— 5	10	8.33	5.0
MICHIGAN—													
Ann Arbor, [Woodruff]	16.61	31.21	22.61	23.48	22	43.5	22	34.83	9	—12	9	— 5.67	4.1
Ann Arbor, [Winchell]	18.77	32.52	21.35	24.21	20	45	20	36.00	9	*g*—10	9	— 3.67	3.9
Battle Creek	16.97	32.16	21.97	23.70	18	54	23	40.00	10	—13	9	0.33	4.0
Cooper	16.45	30.58	20.10	22.38	21	46	21	34.00	9	—12	9	— 0.67	3.3
Copper Falls Mines (*j*)				16.22		38				—17			
Detroit	18.19	30.45	23.29	23.98	22	45	22	37.33	9	—10	9	— 3.67	5.0
Eagle River (*k*)	18.35	25.65	17.00	20.33	18	50	18	40.00	8	—10	8	— 6.00	
Grand Rapids, [Currier]	17.16	30.87	22.16	23.40	22	48	23	36.00	9	—16	9	— 3.67	4.3
Monroe													3.6
Romeo (*e*)	16.32	28.59	20.90	21.90	20	43.5	24	34.75	10	—11.3	9	— 4.91	4.9
St. James	11.16	28.72	15.97	18.62	21	45.	21	33.35	8	—16	8	— 8.16	3.5
Saugatuck	19.74	32.45	22.16	24.78	20	44	23	37.33	9	— 7	9	3.00	5.3
INDIANA—													
New Harmony	30.84	43.06	34.58	36.16	23	60	20	50.00	12	11	10	23.00	5.6
Richmond	23.77	45.31	28.47	32.52	19	*d*51	20	43.17	10	— 2	10	7.67	3.9
ILLINOIS—													
Athens	24.25	40.32	30.55	31.70	20	58	23	*l*45.33	10	— 6	10	15.67	4.6
Augusta	22.45	38.29	30.06	30.26	23	61	23	48.00	12	— 4	9	15.00	4.3
Manchester (*e*)	26.23	41.72	30.13	32.69	23	65	23	53.00	10	5	9	19.00	5.2
Ottawa (*m*)	29.53	41.43	28.16	33.04	23	61	23	48.33	10	10	9	16.67	3.6
Pekin (*n*)				29.74		59				— 8			
Peoria (*o*)	23.76	42.23	37.00	33.29	23	61	23	50.00	10	0.5	9	15.69	
Upper Alton	26.82	42.52	31.87	33 74	23	66	23	50.00	10	2	10	18.00	4.2
Warsaw				25.87	9	54			11	0			
West Salem	28.84	44.10	32.74	35.23	23	64	23	51.33	10	9	10	19.00	5.2

a Same temperature on the 24th.
b Observations taken at 9 a. m., 1 p. m., and 6 p. m.
c Observations taken at 7 a. m., 2 p. m., and 7 p. m.
d Same temperature on the 20th.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 20th and 24th.
g Same temperature on the 10th.
h Observations taken at 7 a. m., 2½ p. m., and 8 p. m.
i Same temperature on the 14th and 23d.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Observations taken at 9 a. m., 3. p. m., and 9 p. m.
l Same temperature on the 19th.
m Observations taken at 8 a. m., 2 p. m., and 9 p. m.
n Observation taken at sunrise and 1 p. m.
o Observations taken at sunrise, 2 p. m., after sunset, and at midnight.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MISSOURI—	°	°	°	°		°		°		°		°	
Rocheport	31.60	48.06	36.00	38.55	23	72	23	52.67	10	15	2	29.00	3.4
St Louis	30.3	42.7	35.6	36.20	23	65.5	23	53.67	10	10	10	23.17	4.7
WISCONSIN—													
Appleton	14.55	32.29	22.61	23.15	20	*a* 46	23	39.67	9	—14	9	0.33	----
Beloit	18.25	33.38	23.22	24.95	23	50	23	42.00	10	— 3	9	8.67	2.9
Janesville	14.52	35.03	21.45	23.66	23	50	23	40.33	10	— 5	10	7.33	4.6
Kenosha	20.33	32.79	25.47	26.20	23	52	23	43.67	10	2	9	10.00	2.9
Madison, [Schue]	20.35	35.17	22.16	25.89	23	52	23	42.33	10	— 6	9	3.33	3.9
Manitowoc	------	------	------	26.00	----	------	46	------	----	— 4	----	------	----
Milwaukee, [Pomeroy]	21.39	34.22	23.52	26.38	23	53	23	43.67	10	— 4	9	9.00	----
Milwaukee, [Winkler]	18.90	30.68	22.74	24.10	23	50	23	41.67	10	— 2	9	8.67	3.4
Norway	21.03	34.97	23.13	26.38	23	52	23	42.00	10	0	9	7.33	3.9
Platteville	16.77	35.80	23.42	25.33	23	52	23	42.33	10	— 8	9	5.00	4.0
Racine, [Seymour]	------	------	------	23.19	----	------	23	42.00	----	------	10	3.00	8.9
Superior	13.84	30.97	19.65	21.49	23	49	23	37.67	9	—15	8	— 0.33	1.6
Waukesha (*b*)	20.12	34.21	23.67	26.00	23	53	23	42.00	10	— 1	9	6.33	4.2
IOWA—													
Bellevue (*c*)	19.00	36.00	27.00	27.33	----	52	----	------	----	— 4	----	------	----
Dubuque	22.47	35.90	27.20	28.52	23	*d* 53	23	45.33	10	1	10	12.67	3.3
Fort Madison (*e*)	21.03	38.90	29.77	29.90	23	57	23	48.00	10	— 6	9	13.67	6.4
Muscatine	19.48	34.29	23.79	25.85	23	56	23	44.33	10	—17	10	*f* 8.00	3.7
Pella	18.00	34.55	23.19	25.25	23	55	23	41.00	10	—12	9	— 0.33	5.3
Pleasant Plain (*g*)	18.42	40.23	23.29	28.15	23	59	23	45.00	10	—15	10	4.75	----
Poultney	18.37	30.93	21.00	23.43	31	47	31	*h* 36.00	10	— 6	9	6.00	3.9
Quasqueton	16.21	30.02	19.26	21.83	19	48.5	23	37.83	10	—18	9	— 0.67	4.3
MINNESOTA—													
Hazlewood	15.06	30.70	18.26	21.14	30	46	31	37.00	9	—15	9	— 5.00	3.8
CALIFORNIA—													
Sacramento	50.61	63.55	57.00	57.05	22	78	22	67.67	1	39	1	47.67	2.8
Stockton	52.29	63.42	58.19	57.96	21	*a* 74	23	68.67	1	42	1	48.67	----
MEXICO—													
City of Mexico	52.35	74.58	60.52	62.48	1	*i* 79	5	*j* 67.37	30	42	23	56.33	6.6
Mirador (*k*)	------	------	------	73.58	----	------	----	88.09	----	------	----	61.77	----
WEST INDIES—													
Up Park Camp, Jamaica (*l*)	------	------	------	81.15	----	92	----	------	----	68	----	------	6.0
SOUTH AMERICA—													
Catharina Sophia, Surinam (*m*)	76.61	86.94	81.26	81.60	3	*n* 90	22	*o* 83.67	24	69	2	*p* 78.67	2.2

a Same temperature on the 23d.
b For the first 24 days of the month only.
c Observations taken at 7 a. m., 2 p. m., and 8 p. m.
d Same temperature on the 17th.
e Observations taken at 6 a. m., noon, and 7 p. m.
f Same temperature on the 9th.
g Observations taken at sunrise, noon, sunset, and evening.
h Same temperature on the 22d.
i Same temperature on the 17th and 18th.
j Same temperature on the 1st.
k Observations taken at 7 a. m., 2 p. m., and 8 p. m.
l Observations taken at 9¼ a. m. and 3¼ p. m.
m Observations taken at 6 a. m., 2 p. m., and 6 p. m.
n Same temperature on the 5th, 12th, 17th, 18th, 19th, 20th, 21st, 23d, and 25th.
o Same temperature on the 17th and 18th.
p Same temperature on the 1st.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	43.86	-------	44.96	44.41	27	70	27	65.00	1	27	1	28.50	----
Montreal	39.99	50.88	41.05	43.97	24	*b* 64	24	55.00	1	21	1	28.16	5.5
Red River Settlement	34.53	45.43	34.17	38.04	23	*c* 66	24	*c* 55.33	9	12	11	20.67	5.4
St. John's, Newfoundland (*d*)	32.70	37.00	31.77	33.82	27	48	5	43.67	14	20	16	21 67	----
St. Martin	33.54	50.67	36.03	40.09	26	68	26	53.70	1	11	13	25.50	4.4
Toronto (*e*)	37.57	47.81	40.53	41.97	27	65	27	59.83	1	15	1	27.55	6.0
Wolfville	36.96	47.36	38.04	40.79	27	62	27	51.83	1	19	13	24.98	3.7
MAINE—													
Carmel	36.13	53.73	36.37	42.08	26	69	27	53.00	13	18	13	27.00	5.4
Cornish	39.57	52.70	40.47	44.25	24	69	27	57.67	13	20	13	29.67	4.5
Fryeburg	36.07	54.10	-------	45.08	27	72	27	61.00	1	8	1	24.00	4.8
Gardiner	40.73	50.93	39.80	43.82	24	65	27	53.67	2	*f* 26	1	31.33	4.8
Perry	34.20	46.20	38.20	39.53	19	57	23	46.33	1	21	13	27.67	5.0
Portland	39.23	50.83	40.82	43.63	23	*g* 62	25	50.67	13	20	13	29.67	6.0
Steuben	36.30	45.23	37.93	39.82	8	57	23	47.67	13	19	13	27.00	6.2
NEW HAMPSHIRE—													
Concord	38.90	54.67	45.33	46.30	27	72	27	60.00	2	*f* 22	1	30.67	4.2
Londonderry	39.07	54.13	42.50	45.23	29	*h* 68	24	55.67	2	*f* 22	1	30.33	4.7
Manchester (*i*)	36.76	53.90	44.33	44.99	28	*j* 70	27	58.00	2	20	13	32.00	5.1
North Barnstead	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.6
Stratford	34.03	50.43	37.17	40.54	24	68	27	54.67	1	6	1	20.00	5.2
VERMONT—													
Brandon	38.80	52.28	43.38	44.82	28	74	28	61.33	1	13	1	25.17	4.9
Burlington	40.23	54.33	44.40	46.32	26	70	26	57.33	1	12	1	25.67	3.3
Craftsbury	36.13	50.17	39.50	41.93	28	72	28	59.00	13	12	1	25.00	4.8
Norwich	36.37	54.33	40.17	43.62	27	76	29	56.00	1	7	13	25.67	----
Shelburn	40 50	51.33	40.74	44.19	27	72	26	59.33	1	15	1	25.67	5.1
MASSACHUSETTS—													
Amherst	39.46	56.30	44.09	46.62	29	73	28	60.20	1	16	1	27.10	4.7
Boston (*k*)	39.70	55.73	44.57	46.63	9	72	27	57.33	1	21	1	31.00	3.3
Bridgewater (*l*)	42.67	52.80	45.77	47.08	9	66	18	57.33	1	26.5	1	33.33	4.3
Cambridge (*m*)	38.40	52.93	43.78	45.04	23	68	23	53.67	1	20	1	29.33	5.4
Lawrence (*n*)	37.33	-------	-------	37.33	----	50	----	-------	----	26	----	-------	----
Mendon	41.33	51.80	43.43	45.52	27	67	19	57.33	1	19	1	29.33	5.1
Nantucket	44.45	50.16	42.95	45.85	19	60	28	52.93	1	34	13	37.23	4.6
New Bedford	-------	-------	-------	45.34	----	------	28	*o* 53.50	----	-------	1	32.00	5.8
Newburyport	39.99	52.63	42.01	44.88	9	72	27	57.67	3	21	16	30.17	7.9
North Attleborough	42.55	54.77	43.00	46.77	9	70	9	54.90	1	25	1	31.63	4.5
Princeton	39.27	49.28	40.67	43.07	28	68	27	55.00	13	15	13	23.00	5.3
Richmond	35.93	54.07	43.80	44.60	28	73	28	64.33	1	10	1	26.00	5.7
Springfield	40.67	57.63	46.53	48.28	28	78	28	63.00	1	20	1	32.67	4.7
Westfield	40.57	55.38	44.53	46.83	28	77	28	60.67	2	20	1	31.00	5.7
Williamstown	39.42	53.20	44.30	45.64	28	76	28	65.10	1	14	1	24.00	5.8
Worcester	41.20	53.63	42.70	46.84	28	*p* 70	28	58.33	1	22	1	30.33	4.9
RHODE ISLAND—													
Acquidneset (*q*)	52.35	56.46	44.21	51.01	18	71	18	63.00	1	35	5	45.67	----
Providence (*r*)	41.4	56.5	41.7	46.53	28	78	28	58.67	1	22	1	31.00	4.9
CONNECTICUT—													
Georgetown	39.70	54.90	43.50	46.03	25	*s* 72	29	59.00	1	20	1	29.33	5.1
New London	45.30	56.50	44.53	48.78	28	72	28	60.33	1	28	1	34.00	4.5
Norwich	43.67	55.70	45.23	48.20	28	76	28	63.00	1	25	1	33.33	4.3
Pomfret	41.23	54.07	42.86	46.05	28	78	28	61.00	1	22	1	29.00	4.8
Saybrook	42.03	50.10	43.93	45.35	28	64	28	54.67	1	26	1	30.33	4.8
Wallingford (*t*)	42.72	59.00	45.04	48.92	28	*u* 74	28	59.67	14	30	13	36.50	4.9

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 9th.
c Same temperature on the 20th.
d Observations taken at 8 a. m., 3 p. m., and 9 p. m.
e Observations taken at 6 a. m., 2 p. m., and 10 p. m.
f Same temperature on the 1st.
g Same temperature on the 8th.
h Same temperature on the 17th and 25th.
i Month incomplete.
j Same temperature on the 27th.
k Observations taken at 10 a. m., 2 p. m., and 6 p. m.
l Observations taken at 7 a. m., 2 p. m., and 7 p. m.
m Observations taken at sunrise, 3 p. m., and 9 p. m.
n Observations taken at 6 a. m.
o Same temperature on the 18th.
p Same temperature on the 29th.
q Observations somewhat broken.
r Observations taken at 6 a. m., 1 p. m., and 10 p. m.
s Same temperature on the 28th.
t Observations taken at 7 a. m., 1 p. m., and 10 p. m., for the last 25 days of the month only.
u Same temperature on the 30th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
NEW YORK—	○	○	○	○		○		○		○		○	
Angelica	38.23	56.50	43.07	45.93	28	*a* 80	27	72.00	1	— 4	1	25.33	5.0
Baldwinsville	36.27	49.33	43.23	42.94	29	78	29	67.33	1	10	1	24.33	5.3
Beverly	42.79	56.10	47.30	48.73	28	76	28	63.33	2	25	1	33.50	5.3
Blackwell's Island	46.00	55.10	48.60	49.90	12	68	28	60.33	1	27	1	34.67	6.3
Buffalo (*b*)	37.58	49.31	39.09	41.99	27	81	27	62.67	1	14	----	----------	5.5
Canton	39.13	55.13	44.13	46.13	27	80	27	66.67	1	12	1	23.33	5.5
Eden	42.93	52.20	43.77	46.30	27	83	27	71.33	1	14	1	28.67	4.9
Fishkill Landing	39.80	55.93	47.27	47.66	28	79	28	65.33	1	15	1	26.67	4.1
Flatbush	43.43	54.78	45.93	48.05	12	75	12	59.03	1	25	1	32.46	5.8
Geneva	39.59	52.32	44.98	54.63	----	78	27	66.00	----	15	1	28.83	6.0
Liberty	37.43	51.20	41.30	43.31	28	75	28	64.33	1	12	1	27.67	5.5
Lodi	42.43	53.63	42.77	46.28	28	*a* 78	28	69 00	1	20	5	31.33	6.2
Mexico	41.52	52.74	41.50	54.25	----	79	27	69.37	----	20	1	27.47	4.5
Morrisania	45.23	58.57	46.33	50.04	12	*c* 76	24	63.00	1	22	1	31.00	4.2
New York city	45.64	55.46	47.76	49.62	12	70.5	28	60.60	1	26	1	32.96	5.4
North Salem	42.63	56.50	44.73	47.95	----	79	28	64.33	----	20	1	26.67	4.7
Oswego	37.70	50.17	40.93	42.93	27	82	27	68.00	1	11	1	23.33	5.8
Ovid	42.00	52.20	44.13	46.11	27	79	28	*a*67.33	1	20	13	28.00	5.9
Penn Yan (*d*)	35.37	55.20	47.33	45.96	28	82	28	67.00	1	8	1	27.00	6.8
Rochester, [Harkness]	46.0	52.5	45.9	48.13	----	78	----	-------	----	24	----	-------	----
Rochester, [Pratt]	42.2	54.8	46.4	47.80	27	82	27	72.20	1	16	1	30.50	7.6
Sag Harbor	43.97	57.67	44.00	48.55	28	75	28	61.33	1	27	1	33.00	4.8
Smithville	38.93	52.00	42.80	44.58	27	78	27	67.67	13	15	13	24.00	4.4
Spencertown	41.07	53.80	42.67	45.85	28	80	28	67.67	1	17	13	*e* 27.00	4.9
Wampsville	41.57	58.13	43.97	47.89	28	83	27	69.33	1	12	1	26.33	5.5
Watertown	38.80	58.60	40.74	46 05	27	86	27	68.67	10	*g* 20	13	25.33	5.8
Waterford (*f*)	39.46	52.53	43.00	45.90	----	72	---	-------	----	14	----	---------	----
NEW JERSEY—													
Bloomfield	42.98	59.33	47.28	49.86	29	75.5	29	64.00	1	22.5	1	35.50	4.7
Burlington	42.57	60.90	50.83	51.43	29	79	28	67.33	1	23	1	32.33	6.9
Lambertville	43.62	61.12	47.82	50.85	28	85	28	68.33	1	17	1	32.83	4.8
Newark (*h*)	-------	-------	-------	49.26	28	*i* 74.75	29	63.25	1	19.5	1	32.00	----
PENNSYLVANIA—													
Bedford (*j*)	39.41	60.38	54.45	51.41	12	83	12	68.33	1	16	1	31.67	5.9
Carlisle	45.37	59.05	49.90	48.11	12	82.5	28	69.83	1	24	1	28.7	5.2
Chromedale	44.32	59.69	48.69	50.90	12	78.5	29	65.37	1	25	1	32.40	5.4
Easton	42.77	63.15	48.88	51.60	----	80	28	69.67	----	23	1	33.67	5.5
Fleming (*k*)	37.00	57.63	50.16	48.26	12	*l* 76	---	-------	1	10	----	---------	----
Gettysburg	43.90	61.17	48.90	51.32	12	85	29	70.33	1	20	1	29.33	4.7
Harrisburg	46.07	60.38	55.08	53.84	28	82	28	72.00	1	26	21	*m* 42.33	4.9
Lewisburg	42.96	57.11	48.00	49.36	28	82	28	69.57	1	18	1	27.83	6.2
Meadville	42.60	57.46	43.41	47.82	27	83	27	73.00	1	9	1	29.67	5.3
Morrisville	44.67	59.97	48.17	50.94	29	78	29	67.67	1	22	1	32.67	4.0
Moss Grove	40.53	56.55	44.38	47.15	27	84	27	72.00	1	5	1	27.33	5.0
Nazareth	44.20	60.40	43.63	49.41	28	82	29	69.67	1	21	1	28.67	5.3
Norristown	47.21	59.12	50.15	52.16	12	79	12	68.67	1	28.5	1	33.50	5.4
North Whitehall (*k*)	39.60	59.10	49.93	49.54	28	80	29	66.00	1	16	1	30.00	----
Paradise	-------	-------	-------	42.00	----	------	----	-------	----	-------	----	---------	----
Philadelphia	48.32	61.63	53.43	54.46	29	80	29	74.33	1	26	1	35.83	5.9
Pittsburg	46.33	58.57	50.00	51.63	27	82	27	73.33	5	*n* 34	5	35.00	----
Pocopson	44.23	60.68	48.60	51.17	28	81	28	66.67	1	24	1	33.67	6.0
Shamokin	-------	-------	-------	-------	28	82	----	-------	1	6	----	---------	----
West Haverford	45.80	60.83	-------	53.31	29	*i* 80	29	70.00	1	22	1	33.00	5.0
DELAWARE—													
Newark, [Martin]	45.87	60.03	50.28	52.06	28	79	29	68.33	1	24	1	33.67	3.9

a Same temperature on the 27th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 24th.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 18th.
f Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m.
g Same temperature on the 1st and 13th.
h Observations taken at 7 a. m. and 6 p. m.
i Same temperature on the 12th.
j For the first 19 days of the month only.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 28th.
m Same temperature on the 2d.
n Same temperature on the 7th and 14th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis, [Goodman]	------	------	------	52.34	12	85	----	------	1	24	----	------	----
Bladensburg	45.79	62.20	50.77	52.92	12	83	12	72.67	1	22	1	34.00	5.8
Frederick	47.41	60.61	53.33	53.78	12	81	28	69.50	1	26.5	1	35.00	5.0
Sykesville	43.17	63.13	50.63	52.31	12	84	29	71.67	1	19	1	33.00	4.3
DISTRICT OF COLUMBIA—													
Washington	47.22	63.08	53.67	54.66	12	84	12	73.17	1	26	1	36.67	4.8
VIRGINIA—													
Alexandria	48.85	62.66	54.03	55.18	12	82	12	72.33	1	28	21	35.67	4.8
Buffalo	47.50	66.93	54.63	56.35	12	85	28	74.00	2	27	21	38.00	3.9
Crichton's Store (*a*)	53.57	69.11	67.56	63.41	15	*b* 86	30	78.00	1	35	21	40.67	4.5
Garysville (*c*)	------	------	------	58.33	24	89	29	76.00	1	28	1	42.00	----
Kanawha (*d*)	45.37	65.17	59.43	56.06	16	84	30	76.33	1	28	21	36.33	----
Lewisburg	44.23	63.73	51.83	53.26	27	84	30	71.00	1	26	21	34.00	5.3
Mount Solon	47.38	65.65	50.75	54.59	15	89	27	71.00	1	33.5	21	34.50	2.5
Peach Grove Lodge	46.17	66.13	49.27	53.86	12	88	27	71.67	1	24	21	35.67	2.9
Portsmouth	51.04	68.63	53.60	57.76	30	90	15	72.67	1	30	1	37.33	3.6
Rougemont	48.93	------	62.83	55.88	12	80	30	72.00	1	*e* 29	21	32.00	----
Smithfield	------	------	------	57.22	30	84	29	74.00	1	24.5	1	34.25	----
Trout Run Valley	42.17	61.47	45.77	49.80	12	*f* 84	12	72.00	1	16	1	30.00	3.4
Winchester	49.33	65.47	52.40	55.73	28	86	28	*g* 74.67	1	30	21	34.00	4.4
NORTH CAROLINA—													
Chapel Hill	53.03	71.77	59.83	61.54	30	89	15	*g* 75.67	1	30	21	44.67	5.5
Goldsborough	55.49	70.77	61.07	62.44	17	86	15	75.20	1	33	1	40.67	4.6
SOUTH CAROLINA—													
Aiken	57.73	74.21	64.62	65.52	17	87	16	78.00	1	33	1	46.33	----
All Saints	57.77	70.67	61.13	63.19	17	85	17	75.33	1	32	1	44.67	3.7
Camden	57.90	74.53	62.06	64.83	16	88	17	79.67	1	36	1	43.00	5.2
Charleston, [Johnson]	59.87	72.07	63.33	65.09	13	*h* 84	30	74.67	1	36	1	46.33	----
Charleston, [Dawson]	59.86	72.66	63.33	65.28	----	84	----	------	----	36	----	------	----
Edisto Island	60.62	70.93	64.19	65.25	16	81	30	71.67	21	48	6	55.00	4.1
St John's (*i*)	54.86	72.08	61.45	62.80	13	84	17	75.00	1	32	1	43.67	----
GEORGIA—													
Savannah	59.8	76.4	66.3	67.50	16	89	13	76.43	1	37	1	47.33	3.4
Sparta	52.70	74.97	61.73	63.13	15	*j* 87	16	75.00	1	30	1	43.00	4.4
Thomaston	------	------	------	------	----	------	----	------	----	------	----	------	3.2
Whitemarsh Island	60.27	72.70	63.60	65.52	16	86	13	74.33	1	40	1	46.67	3.4
Zebulon	59.67	74.00	67.37	67.01	11	84	15	75.00	1	34	1	47.33	3.6
FLORIDA—													
Atsena	66 10	72.32	68.29	68.90	26	84	26	76.33	1	52	1	58.00	2.2
Gainesville (*k*)	57.87	78.00	64.60	66.82	14	*l* 86	30	*m* 74.67	21	46	1	53.33	2.5
Jacksonville	67.70	77.43	66.96	70.70	13	87	30	78.67	1	51	1	53.00	3.0
Salt Ponds	70.57	78.90	------	74.73	30	86	30	80.50	6	62	6	65.00	1.3
Warrington	79.77	75.43	70.70	75.30	19	98	19	86.33	1	53	1	55.67	3.5
ALABAMA—													
Auburn	60.70	75.20	65.80	67.23	10	*n* 84	26	77.33	1	41	1	51.00	3.6
Greene Springs (*i*)	58.59	77.25	67.54	67.79	11	*o* 90	15	78.33	6	*p* 42	5	55.33	5.6
MISSISSIPPI—													
Columbus	56.46	73.70	63.38	64.51	26	86	16	75.20	6	44	5	50.50	3.9
Oxford	60.50	73.83	63.03	65.79	10	86	26	77.00	1	45	1	52.67	3.9
TEXAS—													
Austin	62.23	82.00	68.83	71.02	3	92	29	*q* 75.67	5	46	5	64.00	5.4
New Braunfels	66.83	85.29	71.63	74.58	23	96	23	80.00	5	51	5	67.33	5.5
Pin Oak (*r*)	62.53	76.90	70.60	70.01	16	86	30	77.00	20	50	20	62.67	2.5
TENNESSEE—													
Glenwood	51.39	67.79	58.87	59.35	26	85	15	76.90	1	32	4	44.73	4.4

a Observations taken at 7½ a. m., noon, and 6 p. m.
b Same temperature on the 28th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Observations taken at sunrise, 1 p. m., and sunset.
e Same temperature on the 2d.
f Same temperature on the 15th.
g Same temperature on the 12th.
h Same temperature on the 30th.
i Observations taken at sunrise, 2 p. m., and 9 p. m.
j Same temperature on the 16th.
k Observations taken at 6 a. m., 2 p. m., and 9 p. m.
l Same temperature on the 15th, 25th, and 30th.
m Same temperature on the 25th.
n Same temperature on the 14th, 25th, and 26th.
o Same temperature on the 26th.
p Same temperature on the 21st.
q Same temperature on the 23d.
r Observations taken at sunrise, noon, and sunset.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
KENTUCKY—													
Ballardsville	51.87	66.66	57.80	58.78	26	85	27	73.33	1	30	5	41.33	4.3
Danville	53.60	69.72	57.97	60.43	16	86	15	76.33	1	30	5	43.67	3.9
Paris	49.33	64.47	56.27	56.69	16	*a* 83	15	74.00	1	22	5	40.33	5.4
Springdale	46.05	70.23	61.50	59.26	26	91	15	76.50	1	25	5	*b* 43.33	5.2
OHIO—													
Bellefontaine	46.83	55.05	49.22	50.36	26	80	26	69.25	1	25	4	34.33	4.8
Cheviot	48.57	67.67	56.10	57.45	26	88	26	*c* 73.00	1	27	4	40.00	4.5
Cincinnati, [Harper]	53.00	69.03	58.10	60.04	26	89	27	77.33	1	27	21	43.67	4.8
Cincinnati, [Telegraph] (*d*)	48.63	64.33	55.60	56.19	26	80	30	70.67	1	28	2	38.00	3.6
Cleveland	44.33	58.88	44.18	49.13	26	83	27	72.00	1	19	13	31.33	5.5
Dayton, [Fisher]	43.70	64.43	53.76	53.96	26	85	30	*a* 71.00	1	22	5	40.67	3.2
Gallipolis	48.50	67.77	53.83	56.70	12	*e* 84	28	73.00	1	25	21	38.67	----
Germantown, [Groneweg]	45.95	62.82	50.22	52.99	15	81	27	69.57	1	23	1	38.97	5.4
Granville	47.17	62.50	50.80	53.49	16	*a* 79	27	69.33	1	26	21	37.33	4.8
Hillsborough	47.73	61.63	53.67	54.34	26	81	14	70.33	1	25	5	39.00	4.0
Hiram	42.63	56.13	44.77	47.84	27	80	27	68.33	1	17	1	31.67	5.8
Jefferson	43.50	55.10	42.27	46.96	27	78	27	67.33	1	22	13	33.00	4.9
Oberlin	49.5	60.5	45.5	51.83	26	83	27	74.00	1	24	13	33.33	4.1
Perrysburg (*f*)	52.27	62.43	49.87	54.86	26	82	26	75.33	1	30	4	38.67	----
Portsmouth (*g*)	53.97	67.03	58.33	59.78	16	*h* 85	27	79.67	1	28	21	*b* 43.00	5.2
Savannah	43.33	60.80	45.80	49.98	27	81	28	67.00	1	18	20	35.00	4.9
Unionville	44.60	54.40	41.43	46.81	27	80	27	71.33	1	26	13	30.67	5.4
Urbana	46.73	63.07	50.17	53.32	26	84	26	71.00	1	25	4	36.00	5.9
Zanesville, [Holston]	45.47	65.93	52.53	54.64	27	93	27	74.33	1	20	5	38.00	6.3
MICHIGAN—													
Ann Arbor, [Woodruff]	41.87	57.90	45.67	48.48	26	79	27	67.33	1	19	1	33.00	4.3
Ann Arbor, [Winchell]	41.53	57.80	44.43	47.92	26	78	27	65.67	1	24	13	34.33	4.3
Battle Creek	42.07	55.22	45.96	47.75	26	77	27	*a* 65.00	1	25	1	31.33	4.6
Cooper	42.80	55.47	43.17	47.11	15	*i* 74	27	61.33	1	20	4	31.33	3.4
Copper Falls Mines (*j*)	------	------	------	39.14	----	58	----	------	----	20	----	------	----
Detroit	42.90	55.90	42.93	47.24	26	79	26	65.67	1	28	5	*b* 34.00	5.5
Eagle River (*k*)	37.63	44.47	38.60	40.23	21	70	21	55.33	12	21	12	23.67	----
Grand Rapids, [Currier]	39.83	54.73	45.93	46.83	27	75	27	66.33	1	21	4	31.33	4.8
Newark	43.69	52.76	43.41	46.62	24	77	25	61.00	13	29	4	31.67	5.2
Romeo (*f*)	40.70	54.12	42.55	45.79	27	72.5	27	65.83	1	17.5	1	28.91	6.2
St. James	35.56	43.20	36.23	38.33	8	67	8	52.00	13	20	12	28.00	4.9
INDIANA—													
New Albany	49.07	68.72	53.95	57.25	9	88	15	74.33	1	27.5	4	43.33	4.6
New Harmony	50.80	68.17	57.67	58.88	26	88	26	78.00	5	35	5	43.00	4.2
Richmond	47.04	61.45	51.96	53.48	26	82.5	26	71.16	1	26.5	5	37.60	4.6
ILLINOIS—													
Athens	51.23	69.16	53.30	57.90	11	84	30	73.67	5	31	4	40.33	4.0
Augusta	46.67	63.60	53.07	54.45	11	80	30	68.67	5	31	4	40.33	3.8
Manchester (*f*)	49.33	67.97	52.23	56.51	26	88	30	*a* 69.33	5	32	4	42.00	4.1
Marengo (*l*)	49.39	60.83	46.52	52.25	8	78	15	64.00	12	30	13	36.33	4.4
Ottawa (*m*)	52.50	63.24	50.82	55.52	26	82	26	71.33	4	33	4	40.67	4.9
Pekin (*n*)	------	------	------	53.57	----	87	----	------	----	22	----	------	----
Peoria	59.73	67.17	55.35	57.75	26	88	30	70.13	5	35	4	44.75	----
Riley	37.83	50.00	------	43.91	15	70	15	60.00	13	20	13	27.00	----
Upper Alton	50.47	67.07	54.70	57.41	26	87	26	72.33	1	32	5	44.67	3.0
Warsaw	45.60	------	------	------	26	64	----	------	5	26	----	------	----
West Salem	48.57	70.77	57.40	58.91	26	91	26	77.67	5	29	4	42.00	4.2
MISSOURI—													
Rocheport (*o*)	55.83	70.46	56.67	60.99	11	84	11	72.33	5	33	4	38.50	2.5
St. Louis	52.4	67.9	57.5	59.26	26	86	26	72.67	1	38	4	46.33	3.6

a Same temperature on the 26th.
b Same temperature on the 4th.
c Same temperature on the 16th.
d Observations taken at sunrise, 1 p. m., and 9 p. m.
e Same temperature on the 29th and 30th.
f Observations taken at 7 a. m., and 1 and 9 p. m.
g Observations taken at 7 a. m., 2½ p. m., and 9 p. m.
h Same temperature on the 26th, 27th, and 28th.
i Same temperature on the 27th.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Observations taken at 9 a m., 3 p. m., and 9 p. m.
l For the last 23 days of the month only.
m Observations taken at 8 a. m., 2 p. m., and 9 p. m.
n Observations taken at sunrise and 1 p. m.
o Month incomplete.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
WISCONSIN—	°	°	°	°		°		°		°		°	
Appleton	39.03	53.90	43.82	45.58	27	70	26	59.00	13	22	12	28.67	4.4
Beloit	46.40	56.53	46.46	49.80	8	*a* 70	25	62.33	12	28	4	36.67	3.5
Janesville	41.40	56.87	44.93	47.40	25	70	27	61.33	13	25	4	36.67	5.7
Kenosha	43.03	50.71	43.43	45.72	15	*b* 71	27	64.67	4	*c* 30	12	*d* 33.67	4.3
Madison, [Schue]	42.80	55.33	45.90	48.01	25	68	25	61.67	15	25	12	32.67	4.9
Manitowoc	------	------	------	44.0	----	63	----	------	----	24	----	------	----
Milwaukee, [Winkler]	41.13	49.40	40.50	43.68	27	*e* 70	27	57.00	4	25	5	32.00	4.8
Milwaukee, [Pomeroy]	42.87	50.74	40.10	44.57	27	74	27	60.00	4	26	12	30.33	----
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	5.7
Norway	43.40	55.53	42.40	47.11	27	71	8	62.33	12	25	12	31.67	5.0
Platteville	45.00	58.73	48.97	50.90	26	74	26	66.00	13	28	3	39.67	6.4
Racine, [Seymour]	------	------	------	41.80	----	------	27	61.00	----	------	5	29.00	6.9
Superior	36.60	43.43	37.90	39.31	8	62	8	54.00	9	*f* 25	12	31.33	2.4
Waukesha	41.87	54.27	43.13	46.42	8	73	26	60.33	13	20	12	32.33	5.2
IOWA—													
Bellevue (*g*)	40.00	57.00	48.00	48.33	----	74	----	------	----	26	----	------	----
Clinton (*h*)	49.50	57.59	49.87	52.32	26	80	26	67.33	13	32	12	38.67	2.7
Dubuque	48.15	55.50	49.59	51.08	20	68	24	61.00	7	34.5	2	40.50	4.4
Fairfield (*i*)	44.10	71.07	49.40	55.29	25	84	11	67.50	5	30	1	37.00	----
Fort Madison (*j*)	47.10	62.73	53.90	54.58	25	82	25	68.67	5	29	4	40.33	5.9
Muscatine	43.90	59.87	48.63	50.80	25	77	25	65.00	19	27	19	35.00	4.1
Pleasant Plain (*k*)	42.03	62.47	54.03	52.06	11	84	11	67.75	5	22	1	39.75	----
Quasqueton (*h*)	43.52	56.85	47.07	49.15	26	75	26	65.00	5	29	13	31.33	6.8
MINNESOTA—													
Hazlewood	40.03	52.24	42.07	44.78	11	*l* 67	25	58.33	12	24	12	29.67	5.0
Red Wing	34.74	44.18	35.15	38.02	26	72	26	65.95	12	16	9	29.50	5.6
CALIFORNIA—													
Sacramento	53.83	64.40	58.27	58.83	21	*m* 69	27	*n* 62.67	29	46	16	55.00	3.8
Stockton	53.93	64.80	55.53	58.09	5	74	22	68.00	7	*o* 50	15	52.67	----
MEXICO—													
City of Mexico	55.47	78.10	62.90	65.49	27	*p* 84	23	70.00	11	49	5	60.00	7.1
Mirador (*q*)	------	------	------	81.07	----	------	----	92.44	----	------	----	73.40	----
SOUTH AMERICA—													
Catharina Sophia (*r*)	76.83	83.87	80.20	80.30	2	*s* 87	13	83.33	2	70	4	75.67	4.4

a Same temperature on the 25th and 27th.
b Same temperature on the 22d.
c Same temperature on the 12th and 13th.
d Same temperature on the 13th.
e Same temperature on the 15th.
f Same temperature on the 12th.
g Observations taken at 7 a. m., and 2 and 8 p. m.
h Month incomplete.
i Observations taken at 7 a. m., noon, and 7 and 10 p. m.
j Observations taken at 6 a. m., noon, and 7 p. m.
k Observations taken at morning, noon, evening, and night.
l Same temperature on the 25th.
m Same temperature on the 22d and 27th.
n Same temperature on the 5th.
o Same temperature on the 8th, 9th, 14th, 15th, 16th, 24th, 25th, 26th, 27th, 28th, and 29th.
p Same temperature on the 28th.
q Observations taken at 7 a. m., and 2 and 8 p. m.
r Observations taken at 6 a. m., and 2 and 6 p. m.
s Same temperature on the 9th, 13th, and 30th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	55.1	-------	53.22	54.16	24	75	23	70.00	2	43	8	43.50	----
Montreal	53.46	61.08	52.35	55.63	23	79	23	72.70	3	39	3	40.16	5.8
Red River Settlement (*b*)	53.92	66.54	52.17	57.54	9	84	18	71.33	15	31	11	38.67	5.4
St. Martin	46.02	61.45	50.13	52.53	23	79	23	66.50	6	33	4	38.67	4.7
Toronto (*c*)	46.82	54.95	48.95	49.91	24	80	23	63.72	30	37	30	41.02	5.5
Wolfville	45.31	55.46	45.06	48.61	16	73	16	63.77	2	34	5	38.57	4.4
MAINE—													
Carmel	45.60	59.82	45.27	50.23	23	81	23	65.33	4	*d* 36	26	40.00	6.0
Cornish	45.45	57.55	47.61	50.20	23	77	23	69.67	4	*e* 34	3	37.00	5.5
Fryeburg	47.15	60.07	------	53.61	23	80	23	67.50	5	33	4	41.50	5.6
Gardiner	40.03	58.66	48.60	49.10	23	73	23	65.67	3	38.5	3	42.17	6.2
Perry (*f*)	42.74	53.81	44.10	45.08	23	66	23	54.25	1	*g* 31	3	37.00	6.0
Portland	48.74	57.44	48.16	51.45	23	74	23	66.67	2	*h* 38	4	42.67	6.8
Steuben	43.94	52.13	45.10	47.06	23	71	23	59.33	27	36	2	39.00	6.4
NEW HAMPSHIRE—													
Concord (*i*)	47.16	60.48	52.61	53.42	24	84	24	*j*68 33	4	37	4	41.00	4.9
Londonderry	45.81	60.74	50.06	52.20	24	88	23	71.33	3	*e* 36	9	38.67	5.7
Manchester	49.93	61.37	52.82	54.71	24	92	24	76.33	4	38	9	42.33	6.5
North Barnstead	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.5
Stratford	44.32	57.77	45.65	49.25	23	81	23	63.67	4	33	4	34.33	7.0
VERMONT—													
Brandon	47.32	58.51	49.27	51.70	23	77.5	24	71.67	4	34	4	35.84	6.3
Burlington	49.19	63.45	52.13	54.92	23	82	23	72.33	1	36	4	43.67	4.0
Craftsbury	43.94	56.26	47.10	49.10	23	79	23	68.00	5	*e* 34	5	35.00	5.5
Shelburn	49.94	59.00	49.16	52.70	23	81	23	72.00	3	36	4	40.00	6.0
Norwich	45.06	58.16	47.12	50.11	23	81	23	66.33	4	*k* 35	4	38.33	----
MASSACHUSETTS—													
Amherst	48.99	61.13	51.45	55.86	24	89	24	73.6	4	38	3	41.83	5.6
Boston (*l*)	46.19	61.45	50.77	52.80	24	92	24	74.00	5	34	3	42.00	4.3
Bridgewater (*m*)	50.92	60.00	52.16	54.36	24	86.5	24	70.00	9	*h* 38.5	9	39.33	4.9
Cambridge (*n*)	45.20	59.67	51.19	52.02	24	89	23	67.67	5	35	3	39.67	6.8
Lawrence (*o*)	46.80	-------	-------	46.80	----	67	----	-------	----	37	----	-------	----
Mendon	48.23	59.61	50.81	52.88	24	87	24	73.00	27	31	3	39.67	5.7
Nantucket	51.13	56.14	49.38	52.22	24	68	24	65.33	3	39	3	41.60	4.9
New Bedford	-------	-------	-------	52.85	----	-------	24	65.67	----	-------	3	41.20	6.0
Newburyport	47.11	56.93	49.32	51.12	23	83	23	71.23	5	37	3	38.80	7.1
North Attleborough	49.76	60.99	48.84	53.20	24	90	24	75.10	10	35	10	39.73	5.3
Princeton	46.21	56.39	47.65	50.08	24	84	24	70.67	3	33.5	9	35.00	6.1
Richmond	45.45	62.16	53.19	53.60	24	84	14	73.67	5	*p* 34	4	36.67	6.8
Springfield	49.48	62.65	52.13	54.75	24	92	24	75.67	4	*q* 38	9	41.33	6.0
Westfield	47.82	61.03	50.90	53.25	24	89	24	75.33	3	*r* 38	9	41.00	5.9
Williamstown (*s*)	47.86	58.27	50.59	52.24	24	81	24	67.30	4	36	5	40.17	6.7
Worcester	48.48	59.19	50.81	52.83	24	87	24	73.00	9	*t* 35	9	37.00	5.6
Weymouth	50.42	-------	51.19	50.80	23	68	23	64.50	2	*u* 40	4	40.50	----
RHODE ISLAND—													
Providence (*v*)	48.3	62.2	50.00	53.50	24	91	24	72.33	4	36	9	40.00	5.5
CONNECTICUT—													
Georgetown	46.10	57.32	48.48	50.63	24	82	24	71.67	31	36	8	*h* 41.33	5.4
New London	53.16	61.58	50.16	54.97	24	84	24	72.00	9	38	2	43.00	5.0
Norwich	51.42	62.35	51.94	55.24	24	89	24	75.67	5	38	3	42.33	4.5
Pomfret	48.87	59.03	48.77	52.22	24	85	24	70.67	9	35	9	38.67	5.6
Saybrook	50.23	56.77	50.77	52.59	20	*w* 68	24	65.33	5	*x* 40	5	42.67	5.1
Wallingford	48.45	60.60	49.10	52.72	24	88	24	71.50	5	*r* 40	9	41.83	4.7

a Observations taken at 9 a. m. and 9 p. m.
b Observations interrupted from the 2d to the 9th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 8th, 9th, and 22d.
e Same temperature on the 4th.
f Observations taken at sunrise, 7 a. m., 2 p. m., and 9 p. m.
g Same temperature on the 3d and 6th.
h Same temperature on the 3d.
i For the last 16 days of the month only.
j Same temperature on the 23d.
k Same temperature on the 2d.
l Observations taken at 6 a. m., 2 p. m., and 6 p. m.
m Observations taken at 7 a. m., 2 p. m., and 7 p. m.
n Observations taken at sunrise, 3 p. m., and 9 p. m.
o Observations taken at 6 a. m.
p Same temperature on the 5th and 9th.
q Same temperature on the 5th.
r Same temperature on the 6th.
s Observations taken at 6½ a. m., 2 p. m., and 9 p. m.
t Same temperature on the 13th.
u Same temperature on the 1st, 3d, and 4th.
v Observations taken at 6 a. m., 1 p. m., and 10 p. m.
w Same temperature on the 24th and 29th.
x Same temperature on the 9th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK —	°	°	°	°		°		°		°		°	
Angelica	48.57	63.60	51.47	54.55	24	90	24	73.33	5	31	30	35.67	5.5
Baldwinsville	48.58	58.61	54.71	53.96	24	81	23	72.00	6	37	4	43.00	5.7
Beverly	52.33	60.68	53.90	55.64	24	80	24	74.33	9	*a* 42	8	43.00	5.5
Blackwell's Island	51.07	60.42	54.77	55.42	24	83	24	76.33	2	*b* 43	2	44.67	5.7
Canton	50.10	63.18	52.76	55.35	14	84	15	68.00	3	38	30	42.00	5.9
Concord	----	----	----	----	----	----	----	----	----	----	----	----	5.6
Eden	51.80	60.45	52.42	54.89	23	80	23	72.67	29	*c* 37	30	38.33	5.2
Fishkill Landing	48.63	62.59	54.29	55.17	24	88	24	74.67	6	36	5	43.67	5.0
Flatbush	51.69	61.69	52.83	55.40	24	87	24	75.70	1	41	1	44.03	5.3
Geneva	48.35	60.54	52.61	53.83	----	85	23	71.00	----	38	30	40.00	6.2
Lodi	50.06	59.06	51.06	53.39	23	84	23	73.00	4	*c* 34	30	36.67	6.0
Lowville	45.29	61.19	49.23	51.90	----	82	23	68.33	----	28	4	39.33	5.7
Mexico	50.35	58.95	49.59	52.96	----	80	23	70.73	----	37	4	41.63	6.0
Morrisania	51.57	63.60	55.03	56.73	24	87	24	80.33	2	*d* 42	2	44.67	5.0
New York city	53.59	62.24	55.06	56.96	20	78	24	75.00	2	42	2	44.03	4.8
North Salem	51.19	62.32	52.10	55.17	----	89	24	76.00	----	41	9	43.00	5.5
Oswego	47.68	56.29	48.61	50.86	14	80	14	63.33	23	33	4	38.33	6.4
Ovid	50.10	58.29	51.90	53.43	23	82	23	74.00	4	37	9	*e* 40.33	6.0
Penn Yan (*f*)	44.81	62.16	54.45	53.81	24	90	24	79.33	6	29	29	38.00	6.7
Pompey Hill	47.29	54.25	48.68	50.07	----	79	23	70.33	----	32	30	34.67	----
Rochester, [Harkness]	55.6	60.4	53.0	56.33	----	83	----	----	----	40	----	----	----
Rochester, [Pratt]	51.1	62.3	53.9	55.76	23	85	23	73.80	4	39.5	30	41.90	7.9
Sag Harbor (*g*)	52.12	63.68	49.72	55.17	24	83	24	71.67	5	38	5	41.33	4.9
Smithville (*h*)	44.73	60.10	47.62	50.82	14	*i* 75	15	68.33	4	31	4	40.00	5.2
Spencertown	49.90	59.19	48.29	52.46	24	87	24	74.67	5	33	5	40.33	5.0
Wampsville	50.74	62.71	50.10	54.52	24	88	24	74.00	4	34	4	40.67	5.9
Watertown	48.29	65.23	49.42	54.31	24	82	15	66.00	5	32	4	39.33	7.6
Waterford (*j*)	48.48	57.10	48.74	51.93	----	81	----	------	----	27	----	----	----
NEW JERSEY—													
Bloomfield	50.87	66.23	53.94	57.01	24	94	24	81.17	6	40.5	8	44.67	4.2
Burlington	50.97	68.45	56.32	58.58	24	90	24	77.00	6	38	1	43.67	7.1
Lambertville	51.92	67.59	53.07	57.53	24	91.5	24	77.67	6	29.25	1	42.33	5.0
Newark	------	------	------	56.24	24	85.5	24	74.00	5	37.2	3	43.75	----
PENNSYLVANIA—													
Bedford	53.96	67.35	58.87	60.06	24	87	24	75.67	5	39	9	*k* 45.00	5.2
Cannonsburg	51.48	64.71	52.48	56.22	24	83	24	72.00	31	30	9	44.00	----
Carlisle	55.63	66.07	56.87	59.52	20	81.5	20	71.83	1	*c* 42	7	45.33	4.5
Chromedale	54.55	65.67	55.47	58.60	24	85	20	72.10	30	40	1	43.57	4.9
Easton	52.48	66.93	54.08	57.83	24	94	24	79.33	1	38	1	43.33	4.9
Fleming (*l*)	45.80	66.06	58.90	56.92	24	91	----	------	31	27	----	----	----
Gettysburg	54.32	67.94	57.19	59.82	24	89.	24	73.67	31	42	1	44.33	4.6
Harrisburg	56.90	72.87	61.60	63.79	24	92	24	80.67	2	45	1	46.33	4.3
Lewisburg	53.86	65.10	55.36	58.11	24	89.5	24	78.33	30	40	30	43.10	5.8
Meadville	53.81	64.28	51.65	56.58	24	92	24	78.00	30	33	30	38.33	5.4
Morrisville	53.03	65.61	53.71	57.45	24	84	24	74.33	1	40	1	42.67	4.0
Nazareth	52.42	66.26	50.61	56.43	12	84	24	69.00	25	37	30	44.00	4.9
Norristown	52.37	64.44	56.72	57.84	24	84	24	74.67	6	40	1	42.67	5.1
North Whitehall (*l*)	47.81	63.90	57.74	56.48	24	87	24	74.67	6	34	1	44.00	----
Paradise	------	------	------	60.00	----	------	----	------	----	------	----	------	----
Philadelphia	58.6	67.2	62.2	62.67	24	83.5	24	78.17	10	*m* 42	1	44.00	5.7
Pittsburg	54.55	66.65	56.42	59.21	24	86	24	73.33	31	35	9	45.00	----
Pocopson	53.10	67.68	55.35	58.71	24	87	24	76.00	6	37	1	42.67	5.5
Shamokin	------	------	------	------	24	95	----	------	6	25	----	------	----
Somerset	49.5	62.9	51.2	54.53	24	83	24	71.17	5	33	30	37.90	5.0
West Haverford	52.80	67.35	------	60.08	24	86	24	73.00	31	42	9	46.50	5.3
DELAWARE—													
Newark, [Martin] (*n*)	54.69	66.63	52.00	57.77	20	83	29	67.00	2	*m* 42	1	42.67	3.7

a Same temperature on the 8th.
b Same temperature on the 1st.
c Same temperature on the 30th.
d Same temperature on the 1st and 3d.
e Same temperature on the 4th.
f Observations taken at sunrise, 2 p. m., and sunset.
g For the first 26 days of the month only.
h For the first 22 days of the month only.
i Same temperature on the 15th.
j Observations taken at 6 a. m., 1 p. m., 6 p. m., and 10 p. m.
k Same temperature on the 7th.
l Observations taken at sunrise, noon, and sunset.
m Same temperature on the 1st.
n Month incomplete.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis, [Goodman]	------	-------	-------	61.19	24	89	----	-------	31	36	----	-------	----
Bladensburg	55.83	65.85	56.26	59.31	27	81	27	68.67	6	42	7	*a*46.33	4.5
Frederick	59.34	68.03	58.54	61.97	24	85.5	24	75.83	7	42	7	46.27	4.5
Ridge	65.81	74.29	62.45	67.85	24	94	24	82.00	7	47	7	50.00	2.5
Sykesville	54.84	69.13	56.23	60.07	24	89	23	77.67	1	*b*40	1	41.00	3.8
DISTRICT OF COLUMBIA—													
Washington	56.55	69.30	60.20	55.35	24	86	24	75.67	6	43	1	46.67	4.0
VIRGINIA—													
Alexandria	58.84	69.84	60.19	62.96	20	85	24	75.67	7	45	7	48.33	4.2
Berryville	52.85	61 61	56.00	56.82	25	71	25	66.67	6	40	7	44.33	4.7
Crichton's Store (*c*)	61.85	75.09	73.56	70.16	20	91	25	85.00	6	46	7	52.67	4.1
Garysville (*d*)	------	-------	-------	65.33	24	91	24	80.00	31	42	6	49.00	----
Kanawha (*e*)	54.55	74.00	64.20	64.25	24	86	24	74.00	5	40	30	52.67	----
Lewisburg	54.06	70.94	56.16	60.39	24	90	24	75.00	39	41	6	45.33	5.7
Peach Grove Lodge	54.39	71.19	58.13	61.24	24	86	24	74.00	31	33	30	44.67	3.7
Portsmouth	60.74	76.29	58.16	65.06	24	92	24	76.67	6	47	6	52.00	3.8
Rougemont (*f*)	56.71	-------	66.52	61.61	24	83	25	*g*72.00	7	43	7	46.50	----
Smithfield	------	-------	-------	62.25	25	88	24	78.25	22	41	4	49.75	----
Trout Run Valley	51.16	68.65	53.19	57.66	24	90	24	70.67	5	*h*38	7	41.67	3.3
Winchester	59.10	72.32	59.45	63.62	24	90	20	80.67	6	*g*44	7	47.33	4.1
Wirt Court-house	54.55	71.55	60.34	62.15	24	89	15	75.33	31	37	30	45.67	5.3
NORTH CAROLINA—													
Chapel Hill	60.84	76.42	64.55	67.27	24	90	24	76.67	7	*h*47	6	47.33	5.7
Goldsborough	64.38	75.65	64.76	68.26	29	87	2	76.10	7	49.5	6	51.00	4.8
SOUTH CAROLINA—													
Aiken	65.06	74.53	67.42	69.00	4	85	29	76.67	7	51	6	57.67	----
All Saints	67.03	75.81	69.45	70.76	28	88	28	79.33	7	*i*55	*g*10	61.33	4.1
Camden	64.84	77.35	67.93	70.04	28	86	25	79.67	7	52	6	53.67	5.5
Charleston, [Johnson]	68.97	78.29	71.32	72.86	3	88	29	*j*79.67	7	*i*61	5	67.33	----
Charleston, [Dawson]	68.96	78.29	71.32	72.86	----	88	----	-------	----	61	----	-------	----
Edisto Island (*k*)	67.80	76.44	70.63	71.62	3	82	3	75.67	11	60	10	66.33	4.0
St. John's (*l*)	62.81	76.50	66.34	68.55	28	86	28	75.67	11	48	10	58.67	----
GEORGIA—													
Savannah	69.3	81.1	72.00	74.13	4	94	28	81.80	11	62	5	67.80	5.3
Sparta	63.97	82.30	70.87	72.38	4	92	25	77.00	7	*m*52	6	60.00	5.4
Thomaston (*n*)	66.29	76.61	73.94	72.28	21	*o*83	26	79.00	9	*i*57	9	60.33	4.2
Whitemarsh Island	69.90	77.93	73.53	73.79	4	89	4	79.00	10	61	10	66.33	4.5
Zebulon	67.74	78.58	72.70	73.01	3	88	27	81.00	10	56	11	*p*62.67	4.2
FLORIDA—													
Atsena (*q*)	74.92	79.92	75.58	76.81	30	86	31	82.00	20	69	20	71.00	3.6
Gainesville (*r*)	67.03	80.60	70.52	72.72	31	89	30	79.00	12	57	11	62.33	4.3
Jacksonville	73.16	84.12	73.09	76.79	3	88	4	81.33	10	65	11	*i*69.77	4.0
St. Augustine (*s*)	75.68	79.35	74.39	76.47	28	*t*88	29	82.33	11	64	19	71.33	4.9
Salt Ponds	76.74	84.84	-------	80.79	6	*u*89	14	83.50	21	72	20	74.53	3.4
Warrington	75.65	79.55	72.13	75.78	21	91	21	88.00	9	64	1	68.33	4.2
ALABAMA—													
Auburn	68.09	77.09	65.87	70.35	27	91	27	80.67	9	55	9	61.00	----
Greene Springs	64.68	83.63	71.80	73.37	22	93	21	87.33	11	52	9	61.00	4.8
Greensborough (*q*)	71.22	82.39	75.50	76.37	26	87	26	80.67	29	68.5	29	73.83	0.9
MISSISSIPPI—													
Columbus	65.20	80.33	68.22	71.25	25	*v*90	25	79.60	9	54	18	58.53	3.6
Oxford	71.45	77.29	67.19	71.98	26	87	25	*w*81.00	8	48	18	55.00	3.5

a Same temperature on the 1st.
b Same temperature on the 3d, 6th, 7th, 8th, and 10th.
c Observations taken at 7 a. m., noon, and 6 p. m.
d Observations taken at sunrise, 2 p. m., and sunset.
e Observations taken at sunrise, 1 p. m., and sunset.
f Observations taken at sunrise and sunset.
g Same temperature on the 7th.
h Same temperature on the 6th.
i Same temperature on the 10th.
j Same temperature on the 28th.
k Month incomplete.
l Observations taken at sunrise, 2 p. m., and 9 p. m.
m Same temperature on the 9th and 11th.
n Observations taken at 7 a. m., 2 p. m., and 7 p. m.
o Same temperature on the 25th, 26th, and 28th.
p Same temperature on the 8th.
q For the last 12 days of the month only.
r Observations taken at 5 a. m., 2 p. m., and 9 p. m.
s Observations taken at 8 a. m., 2 p. m., and 10 p. m.
t Same temperature on the 29th.
u Same temperature on the 11th.
v Same temperature on the 26th.
w Same temperature on the 24th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
TEXAS--	○	○	○	○		○		○		○		○	
Austin	64.23	81.13	73.23	72.86	27	94	27	*a*80.33	9	*b*54	9	56.33	4.6
New Braunfels	71.21	86.26	73.90	77.12	27	99	30	86.00	8	53	8	54.67	4.0
Pin Oak (*c*)	62.16	78.16	75.16	71.83	27	89	27	81.00	8	*d*54	9	55.67	1.5
TENNESSEE—													
Glenwood	57.15	72.11	61.91	63.72	25	85.5	25	74.10	9	46	8	51.47	4.4
KENTUCKY—													
Ballardsville	60.06	71.45	63.58	65.03	24	85	24	76.67	30	41	5	47.67	4.1
Paris	57.29	71.73	59.74	62.92	24	85	24	72.33	10	43	5	48.00	3.6
Springdale	50.68	76.39	65.65	64.24	24	93	24	75.00	31	34	5	46.67	4.1
OHIO—													
Bellefontaine	55.65	66.32	54.74	58.90	24	88	24	79.00	30	40	30	45.00	5.4
Cheviot	55.71	73.35	61.00	63.35	24	93	24	79.33	5	42	5	49.00	4.7
Cincinnati, [Harper]	62.58	75.06	64.23	67.29	24	90	24	81.00	5	48	5	54.67	4.3
Cincinnati, [Telegraph] (*e*)	57.32	70.77	62.71	63.60	24	90	24	77.00	31	43	5	52.67	4.0
Cleveland	53.07	63.69	52.96	56.57	24	88	24	73.33	30	37	8	45.33	5.5
Dayton, [Fisher]	51.71	69.90	58.42	60.01	24	86	24	74.00	31	35	30	47.00	3.5
Gallipolis	59.00	74.03	60.45	64.49	24	89	24	77.00	30	47	8	53.00	----
Germantown, [Binkerd]	50.52	71.06	56.64	59.41	24	92	24	76.00	31	33	9	47.00	3.7
Germantown, [Groneweg]	52.92	70.92	56.97	60.27	24	90	24	74.75	30	43	30	49.10	5.1
Granville	55.97	67.40	57.62	60.33	24	86	24	75.33	5	41	30	47.00	5.0
Hillsborough	54.39	66.77	59.26	60.14	24	85	24	75.50	5	40.5	30	48.33	4.1
Hiram	50.84	61.58	52.23	54.88	24	85	24	72.33	30	34	30	41.33	5.6
Jefferson	53.61	60.77	51.87	55.42	23	*f*84	24	76.67	30	32	30	40.00	6.2
Oberlin	53.42	65.10	51.16	56.56	24	91	23	70.00	30	37	4	43.67	4.0
Perrysburg (*g*)	57.26	66.55	57.00	60.27	24	93	24	77.00	4	45	4	47.67	----
Savannah	52.00	64.52	52.03	56.18	23	85	23	73.33	5	28	30	*h*43.00	4.5
Scioto (*i*)	61.90	74.33	68.81	68.35	23	*f*86	23	80.67	31	42	8	54.00	4.9
Unionville	50.61	62.71	48.71	54.01	23	*f*86	24	72.00	30	33	8	42.00	5.5
Urbana	53.97	70.94	56.77	60.56	24	92	24	78.00	9	40	30	46.67	5.1
Zanesville, [Dayton] (*j*)	57.92	70.65	56.75	61.77	24	92	26	63.50	30	45	8	52.67	5.4
Zanesville, [Holston]	56.61	72.55	61.03	63.40	24	90	24	78.67	31	39	5	52.33	6.9
MICHIGAN—													
Ann Arbor, [Winchell]	50.74	65.35	51.16	55.75	24	91	23	77.33	4	36	30	40.33	----
Ann Arbor, [Woodruff]	50.42	65.35	53.73	56.50	24	88	23	73.67	4	40	30	45.33	4.6
Cooper	50.87	61.74	50.61	54.07	24	*a*86	24	85.00	4	30	4	40.00	3.4
Copper Falls Mines (*k*)	----	----	----	52.02	----	72	----	----	----	30	----	----	----
Detroit	53.42	61.48	52.00	55.63	23	88	23	84.67	4	*l*40	4	44.00	6.9
Eagle River	43.97	56.84	47.68	49.50	18	*m*78	22	73.33	11	29	12	31.67	----
Grand Rapids, [Currier]	50.45	64.13	53.55	56.04	23	*f*84	23	75.33	30	39	12	43.33	4.1
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	4.0
Romeo (*g*)	50.02	63.04	49.64	54.23	23	*f*86	23	81.00	30	35	30	41.00	5.6
St. James	44.19	54.71	43.72	47.54	14	*n*69	23	59.67	11	31	11	37.33	4.3
Saugatuck (*o*)	44.87	53.50	44.50	47.62	1	66	1	57.33	4	36	4	41.33	6.9
INDIANA—													
New Albany	57.61	72.00	56.66	60.09	24	86.5	24	74.83	30	40	5	47.17	4.6
New Harmony	60.35	74.52	63.42	66.10	24	*a*90	25	80.00	9	46	5	48.67	4.2
Richmond	53.58	67.52	57.27	59.46	23	82	24	72.33	5	42	30	48.50	4.8
ILLINOIS—													
Athens	57.93	74.12	60.16	64.07	24	92	24	80.67	30	*p*46	7	52.33	4.1
Augusta	55.64	70.23	60.70	62.19	24	89	24	80.00	5	44	17	48.33	3.8
Manchester (*g*)	58.29	71.58	49.45	59.77	24	92	24	78.00	8	46	5	48.00	6.1
Marengo	54.94	63.52	52.48	56.98	23	*f*90	23	82.67	12	34	12	36.00	4.5
Ottawa	56.23	65.70	53.34	58.42	23	*f*86	23	76.67	4	42	4	48.33	5.2
Pekin	----	----	----	59.12	----	94	----	----	----	37	----	----	----
Peoria	56.78	71.52	60.60	62.97	24	95	24	78.50	5	*q*48	7	*h*53.00	----

a Same temperature on the 25th.
b Same temperature on the 10th.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 9th.
e Observations taken at 6 a. m., noon, and 9 p. m.
f Same temperature on the 24th.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 4th.
i Observations taken at 7 a. m., ½ p. m., and 9 p. m.
j Observations taken at 9 p. m. only, on the 7th, 8th, 26th, and 27th.
k Observations taken at 6 a. m., noon, and 6 p. m.
l Same temperature on the 29th and 30th.
m Same temperature on the 22d.
n Same temperature on the 21st.
o For the first 8 days of the month only.
p Same temperature on the 9th.
q Same temperature on the 6th, 8th, 12th, 18th, and 30th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Riley (*a*)	44.68	62.35	------	53.51	24	90	24	81.50	12	*b* 34	5	38.00	----
Upper Alton	59.58	71.83	60.11	63.84	24	85	24	74.33	5	46	5	48.67	3.2
Warsaw	57.84	70.52	60.50	62.95	23	*c* 89	24	81.67	5	*d* 45	7	*e* 49.00	3.8
West Salem	58.94	78.16	61.94	66.35	24	94	24	80.00	5	44	5	49.00	4.6
MISSOURI—													
Rocheport	64.25	72.69	62.37	66.44	24	96	24	83.00	4	52	4	56.33	3.1
St Louis	61.1	73.5	64.1	66.23	24	91	24	81.67	17	47	5	49.67	3.9
WISCONSIN—													
Appleton	49.58	65.39	52.58	55.85	23	90	23	80 00	12	*f* 34	12	39.33	4.2
Beloit	55.72	64.48	52.96	57.72	23	*c* 91	23	77.67	12	38	12	40.00	3.5
Cascade Valley (*g*)	52.57	78.57	62.21	64.45	22	100	22	85.53	29	35	20	50.33	3.6
Janesville	50.65	66.39	53.10	56.71	23	94	23	79.67	5	*h* 38	12	40.00	5.5
Kenosha	50.71	56.19	49.90	52.27	23	89	23	77.83	12	38	12	38.33	3.4
Manitowoc	------	------	------	50.00	----	80	----	------	----	33	----	------	----
Milwaukee, [Pomeroy]	51.74	56.68	47.23	51.88	19	90	23	77.67	12	33	12	34.67	6.8
Milwaukee, [Winkler]	49.33	56.72	47.10	51.05	23	90	23	78.67	12	33.5	12	33.83	3.9
Norway	52.03	61.54	51.32	56.96	23	90	22	80.00	12	34	12	35.00	4.6
Platteville	54.42	70.26	58.61	61.10	24	94	23	82.33	12	42	12	44.67	5.1
Racine, [Seymour]	------	------	------	51.87	----	------	23	76.00	----	------	12	37.00	7.5
Superior	45.77	55.77	46.32	49.29	19	85	22	71.67	11	36	4	38.67	1.3
Waukesha	52.23	62.48	51.52	55.41	23	94	23	81.33	12	36	12	36.67	4.8
IOWA—													
Bellevue (*i*)	47.00	68.00	58.00	57.66	----	94	----	------	----	36	----	------	----
Dubuque	57.23	67.20	59.66	61.36	24	92	23	85.50	4	40	12	43.33	4.6
Fort Madison (*j*)	59.23	70.87	63.13	64.41	24	96	24	87.33	5	44	5	48.00	6.1
Franklin (*k*)	48.87	70.87	62.12	60.29	24	90	24	74.67	30	38	29	52.33	4.1
Iowa city	59.29	67.61	59.77	62.22	24	90	24	*c* 83.33	17	42	7	46.33	6.0
Muscatine	54.5	70.2	59.1	57.93	24	90	22	78.67	8	*l* 40	4	47.67	4.3
Pleasant Plain (*m*)	48.97	73.00	57.13	60.50	23	96	23	79.25	----	34	5	44.00	----
Quasqueton (*n*)	56.27	71.65	58.65	62.19	23	91.5	23	80.83	13	40	13	45.50	4.4
MINNESOTA—													
Hazlewood	53.83	66.97	55.73	58.84	23	88	23	79.00	15	39	1	42.00	5.0
CALIFORNIA—													
Sacramento	59.68	70.84	61.23	63.92	16	*o* 80	16	72.67	2	49	2	54.33	3.2
Stockton	55.74	68.19	55.61	59.85	16	*o* 80	17	67.33	3	50	3	55.33	----
MEXICO—													
City of Mexico	57.58	80.23	63.87	67.23	5	*p* 85	5	71.67	19	52	17	59.00	5.9
Mirador (*i*)	------	------	------	84.58	----	------	----	91.99	----	------	----	78.04	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*q*)	76.58	84.42	81.00	80.66	26	93	25	85.33	29	*r* 73	29	*r* 78.00	4.8

a Observations taken at sunrise and 2 p. m.
b Same temperature on the 18th and 30th.
c Same temperature on the 24th.
d Same temperature on the 7th and 17th.
e Same temperature on the 5th.
f Same temperature on the 13th.
g For the last 14 days of the month only.
h Same temperature on the 4th.
i Observations taken at 7 a. m., 2 p. m., and 8 p. m.
j Observations taken at 6 a. m., noon, and 7 p. m.
k For the last 8 days of the month only.
l Same temperature on the 10th.
m Observations taken at sunrise, noon, sunset, and 9 p. m.
n For the last 20 days of the month only.
o Same temperature on the 17th.
p Same temperature on the 6th, 7th, 14th, 15th, and 22d.
q Observations taken at 6 a. m., 2 p. m., and 6 p. m.; interrupted from the 10th to the 23d of the month.
r Same temperature on the 30th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	67.5	-------	64.4	65.95	29	88	22	82.50	6	50	6	51.50	----
Montreal	64.39	79 54	66.10	70.01	21	87	21	*b*79.50	4	51.5	4	52.53	5.8
St. John's (*c*)	60.71?	66.14?	62.00?	62.95?	----	------	----	-------	----	-------	----	-------	----
St. Martin	61.11	76.07	63.73	66.98	21	95	21	80.90	5	47	4	51.10	5.0
Toronto (*d*)	58.07	67.76	59.36	61.73	28	82	21	74.57	1	48	7	53.97	3.5
MAINE—													
Carmel (*e*)	58.86	76.12	55.94	63.54	14	85	10	72.67	5	43	7	54.33	5.5
Cornish	60.13	72.97	61.73	64.94	29	92	21	80.33	7	44	6	51.00	4.5
Gardiner	64.59	75.17	62.20	67.32	21	90	22	79.67	7	*f*52	7	57.33	4.2
Perry (*g*)	53.33	64.03	54.67	57.34	21	84	22	70.00	5	45	9	50.25	4.8
Portland	66.37	74.27	61.95	67.53	29	97	21	84.83	7	*f*49	7	56.67	5.5
Steuben	57.43	65.40	57.73	59.85	21	91	21	77.33	15	44	7	52.67	6.6
NEW HAMPSHIRE—													
Concord	60.33	73.57	66.47	66.79	29	93	29	82.00	1	42	6	54.00	4.3
Londonderry	60.93	75.93	66.10	67.65	21	91	29	83.67	1	45	6	52.00	4.0
Manchester	64.53	77.83	67.36	69.91	29	96	29	88.33	7	*f*50	6	54.33	5.1
North Barnstead	-------	-------	-------	-------	----	-------	----	-------	---	-------	----	-------	6.6
Stratford	60.63	73.83	58.90	64.45	29	97	29	78.00	1	44	1	50.00	6.6
VERMONT—													
Brandon	62.01	74.05	62.60	66.22	29	90	29	80.50	6	48	1	52.67	5.0
Burlington	62.37	77.33	64.30	68.00	29	94	29	86.67	1	50	1	53.67	3.2
Craftsbury	59.97	70.23	61.70	63.63	29	87	21	78.00	1	46	4	52.00	4.8
Norwich	61.97	75.80	61.90	66.56	29	94	29	84.67	1	48	6	50.33	----
Shelburn	64.67	74.17	63.27	67.37	29	94	21	84.00	5	48	1	56.00	4.7
MASSACHUSETTS—													
Amherst	63.24	76.58	65.85	68.56	29	94	29	84.80	1	48	6	53.67	4.3
Boston (*d*)	60.40	77.33	69.93	69.22	21	95	30	*h*84.67	1	*i*44	7	49.33	2.9
Bridgewater (*j*)	64.37	73.63	66.40	68.13	29	92	29	85.67	7	47.5	7	51.50	4.2
Cambridge (*k*)	59.97	75.94	65.44	67.12	29	95	22	82.17	6	47	6	48.33	6.1
Lawrence (*l*)	60.54	-------	-------	60.54	----	81	----	-------	---	50	----	-------	----
Mendon	63.90	75.33	65.23	68.15	29	93	29	85.00	7	*f*47	6	48.33	4.8
Nantucket	62.69	68.77	59.74	63.73	21	86.5	30	76.50	5	50	6	51.83	4.8
New Bedford	-------	-------	-------	65.59	----	------	22	82.50	----	-------	6	52.20	6.3
Newburyport	61.00	73.04	63.41	65.82	29	95	29	84.67	7	47	7	51.60	7.6
North Attleborough	64.19	75.19	62.48	67.29	29	94	29	85.90	6	47	6	49.27	4.5
Princeton	59.89	70.77	62.25	64.30	29	87.5	29	80.50	6	*m*44	6	47.17	5.4
Richmond	61.27	80.73	70.10	70.70	29	93	21	78.67	1	36	1	48.00	4.4
Westfield	60.83	75.70	65.43	67.35	29	94	29	83.33	1	44	6	51.67	5.8
Weymouth	65.97	-------	65.10	65.53	29	87	29	83.50	6	49	7	*n*52.50	----
Williamstown (*o*)	64.83	72.45	60.46	65.91	29	88.5	29	81.30	1	44	6	54.10	5.6
Worcester	63.13	73.83	66.17	67.71	21	90	29	83.33*p*	1	45	6	49.67	5.0
RHODE ISLAND—													
Providence (*q*)	62.6	76.5	64.1	67.73	29	95	30	84.00	6	*i*48	6	50.33	4.7
CONNECTICUT—													
Georgetown	60.13	72.80	61.43	64.79	21	92	29	83.33	6	48	6	49.33	5.3
New London	65.73	77.20	63.63	68.85	21	94	22	83.33*p*	6	51	6	53.67	4.2
Norwich	65.67	77.97	66.47	70.04	29	95	29	87.67	6	50	6	52.00	4.5
Pomfret	62.87	73.28	63.53	66.56	29	89	29	82.00	6	46	6	49.00	5.1
Saybrook	63.50	71.53	64.57	66.53	30	*r*86	30	79.00	7	*f*54	6	55.33	4.5
Wallingford	61.52	76.70	64.12	67.45	29	93.5	30	83.33	6	50	6	51.67	4.7
NEW YORK—													
Angelica	65.67	81.47	66.03	71.06	22	96	30	85.67	15	52	14	54.67	3.6
Baldwinsville	61.10	72.37	65.57	66.35	29	89	29	80.00	2	51	15	*n*56.67	4.7
Beverly	67.30	74.07	67.53	69.63	30	91	29	87.00	1	*f*53	6	54.00	4.8

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 19th.
c Observations taken at 8 a. m., 3 p. m., and 9 p. m., for 7 days only.
d Observations taken at 6 a. m , 2 p. m., and 10 p. m.
e For the first 18 days of the month only.
f Same temperature on the 6th.
g Observations taken at sunrise, 7 a. m., 2 p. m., and 9 p. m.
h Same temperature on the 29th.
i Same temperature on the 7th.
j Observations taken at 7 a. m., 2 p. m., and 7 p. m.
k Observations taken at sunrise, 3 p. m., and 9 p. m.
l Observations taken at 6 a. m.
m Same temperature on the 1st.
n Same temperature on the 5th.
o Observations taken at 6½ a. m., 2 p. m., and 9 p. m.
p Same temperature on the 21st.
q Observations taken at 6 a. m., 1 p. m., and 10 p. m.
r Same temperature on the 27th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Blackwell's Island	67.13	74.60	69.37	70.36	22	91	29	85.33	6	53	6	54.00	6 9
Canton	63.75	78.90	65 00	69.22	29	*a* 92	29	88.67	4	51	1	54.67	4.5
Flatbush	66.06	76.60	65.41	69.36	29	93	30	85.67	6	53	6	53.60	5.3
Geneva	61.32	75.82	64.03	66.96	----	92	29	83.50	----	50	5	55.33	5.0
Houseville	63.00	74.60	61.50	66.37	29	92	29	81.67	15	50	1	53.00	5.9
Lodi	64.77	75.97	65.10	68.61	29	88	29	80.67	1	51	15	*b* 58.33	5.0
Lowville	59.90	75.93	61.90	65.91	----	90	29	78.00	----	40	1	52.33	4.5
Mexico	62.59	72.60	63.30	66.16	----	91	29	81.90	----	50	15	55.43	5.0
Morrisania	67.87	82.90	67.67	72.81	29	99	30	89.33	6	52	6	54.00	4.8
New York city	68.62	77.23	69.18	71.68	29	92	29	85.90	6	54	6	54.53	4.5
North Salem	66.00	77.27	65.42	69.56	----	92	29	87.17	----	43	6	51.67	5.1
Oswego	62.67	71.03	61.63	65.11	29	92	29	81.33	6	48	15	56.00	4.6
Ovid	64.80	73.90	65.00	67.90	29	*a* 88	29	81.33	5	50	5	53.67	5.1
Penn Yan (*c*)	57.33	76.73	66.40	66.82	29	90	29	84.00	2	44	5	54.33	5.4
Pompey Hill	63.07	68.71	64.88	65.55	----	87	29	79.20	----	49	6	53.43	3.2
Rochester, [Harkness]	70.2	75.6	67.3	71.03	----	91	----	-------	----	51	----	-------	----
Rochester, [Pratt]	63.60	75.82	66.60	68.67	29	92	29	83.00	5	52.7	5	56.83	6.4
Spencertown	63.90	73.50	62.87	66.76	29	92	29	84.00	15	50	6	54.00	4.1
Utica	65.00	74.40	66.57	68 66	----	91	29	84.00	----	51	1	55.33	4.8
Wampsville	64.17	78.90	64.73	69.26	29	94	29	85.67	15	52	15	58.67	5.1
Waterford (*d*)	62.40	73.89	65.77	68.42	----	92	----	-------	----	40	----	-------	----
Watertown	60.33	74.17	60.03	64.84	29	92	29	78.33	10	46	10	52.67	7.2
NEW JERSEY—													
Bloomfield	64.48	79.70	66.82	70.33	29	99	30	86.16	16	54.5	6	55.00	4.5
Burlington	69.27	83.13	70.70	74.36	29	99	28	89.33	1	*e* 56	6	56.33	4.9
Lambertville	68.11	83.93	68.07	73.37	29	99	29	89.67	1	40	6	54.67	4.6
Newark (*f*)	-------	-------	-------	70.58	----	------	30	84.88	----	-------	6	54.00	----
PENNSYLVANIA—													
Bedford	70.00	82.54	73.32	75.29	21	91	30	83.33	6	*g* 59	6	61.67	4.5
Cannonsburg	61.74	75.77	65.74	67.75	28	95	28	84.33	1	52	15	*h* 57.33	----
Carlisle	70.05	79.13	72.43	73.87	29	93	29	86.33	1	53	6	57.67	3.8
Chromedale	69.11	79.91	69.00	72.67	29	95	29	87.70	6	55	6	56.20	5.2
Easton	66.90	85.30	69.80	74.00	29	99	29	88.00	1	54	6	55.67	5.5
Fleming (*i*)	58.30	82.73	69.90	70.31	20	99	----	-------	16	41	----	-------	----
Gettysburg	67.00	84.10	71.07	74.06	29	*j* 96	30	87.33	1	52	6	56.00	4.1
Harrisburg	70.87	83.83	76.63	77.11	30	96	30	90.00	1	53	6	59.67	3.7
Lewisburg	68.03	80.12	68.81	72.32	29	94	29	87.77	1	52	6	56.93	5.5
Meadville	67.83	82.72	64.90	71.82	28	95	28	83.00	16	50	15	58.33	5.0
Morrisville	66.13	79.50	67.30	70.98	29	*j* 94	29	84.33	6	52	6	53.67	3.5
Moss Grove	64.70	78.17	65.33	69.40	22	90	22	82.00	15	38	15	50.67	4.6
Nazareth	68.33	82.87	66.33	72.51	22	98	30	87.00	6	54	6	56.33	5.4
Norristown	65.81	78.52	69.07	71.13	30	92	30	85.33	6	*k* 54	6	54.30	5.1
North Whitehall (*i*)	59.49	75.97	66.90	67.44	29	*l* 92	30	84.33	1	42	6	54.67	----
Paradise	-------	-------	-------	81.00	----	------	----	-------	----	-------	----	-------	----
Pittsburg	66.50	78.07	68.20	70.92	22	92	29	83.00	1	*m* 55	15	61.33	----
Pocopson	67.95	82.86	69.43	73.41	29	100	29	91.00	6	*n* 55	6	56.67	5.8
Shamokin	-------	-------	-------	-------	29	102	----	-------	3	36	----	-------	----
Somerset	63.74	78.80	65.35	69.30	29	*o* 89	29	79.67	1	48	15	58.33	4.9
West Haverford	67.43	82.70	-------	75.06	29	99	29	89.50	6	52	6	53.00	4.9
MARYLAND—													
Annapolis, [Goodman]	-------	-------	-------	72.90	29	97	----	-------	1	48	----	-------	----
Bladensburg	68.74	86.09	68.82	74.55	30	99	30	88.33	6	56	6	57.00	5.2
Frederick	73.25	81.19	72.04	75.49	29	95	29	89.83	6	57	6	58.00	4.8
Ridge	75.40	85.63	76.27	79.10	29	103	30	92.33	6	60	6	62.67	3.4
Sykesville	67.77	80.53	70.57	72.96	22	93	29	85.67	1	*p* 50	7	*e* 55.33	3.6

a Same temperature on the 21st.
b Same temperature on the 5th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Observations taken at 6 a. m., 1 p m., 6 p. m., and 10 p. m.
e Same temperature on the 6th.
f Observations taken by register thermometer.
g Same temperature on the 16th.
h Same temperature on the 14th.
i Observations taken at sunrise, noon, and sunset.
j Same temperature on the 22d.
k Same temperature on the 7th.
l Same temperature on the 30th.
m Same temperature on the 13th.
n Same temperature on the 15th.
o Same temperature on the 24th.
p Same temperature on the 7th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
DISTRICT OF COLUMBIA—	°	°	°	°		°		°		°		°	
Washington	69.16	81.98	73.06	74.73	29	95	29	87.67	6	56	6	57.00	4.5
VIRGINIA—													
Alexandria	72.13	82.07	72.97	75.72	29	*a* 95	29	88.67	6	58	6	58.67	4.2
Berryville	69.46	81.07	76.52	75.68	22	95	28	87.33	1	53	1	60.33	4.2
Crichton's Store (*b*)	70.15	85.75	81.27	79.06	30	99	30	91.67	1	60	7	65.00	5.4
Garysville (*c*)	------	------	------	76.50	30	*d* 94	30	87.33	1	48	6	60.33	----
Kanawha (*e*)	64.73	84.43	75.00	76.44	22	93	29	82.25	15	53	1	68.00	----
Lewisburg	65.43	85.83	68.10	73.12	30	96	30	82.00	1	50	1	60.00	4.4
Peach Grove Lodge	64.73	82.63	67.43	71.60	4	*f* 92	30	81.33	1	*g* 54	17	62.00	1.8
Poplar Grove	61.27	85.40	69.83	72.16	22	97	29	*h*80.67	15	48	15	61.67	3.9
Portsmouth	73.27	88.87	72.17	78.10	29	*i* 101	30	90.00	8	53	7	62.00	3.7
Rougemont (*j*)	68.50	------	79.23	73.86	29	*i* 92	22	87.00	1	50	1	64.00	----
Smithfield (*k*)	------	------	------	75.17	22	*l* 94	30	87.60	16	57	7	63.00	----
Trout Run Valley	66.37	83.30	64.27	71.31	29	98	29	82.67	1	50	6	57.33	3.3
Winchester	70.37	84.57	71.03	75.32	22	*i* 96	22	87.33	1	50	6	60.67	3.9
Wirt Court-house	64.33	85.30	71.03	73.55	22	100	22	86.00	1	42	1	58.67	4.6
NORTH CAROLINA—													
Chapel Hill	71.11	86.18	74.54	77.28	22	*m* 97	23	86.33	1	*n* 62	7	66.67	4.9
SOUTH CAROLINA—													
Aiken	74.37	84.73	77.33	78.93	23	96	23 28	85.67	15	69	1	73.00	----
All Saints	77.97	82.40	78.13	79.46	30	88	30	85.33	5	*n* 12	2	*o* 75.33	4.4
Camden	75.73	86.53	77.33	79.86	30	96	29	88.00	4	67	17	*o* 72.33	5.3
Charleston, [Johnson]	76.93	88.17	79.47	81.52	30	96	30	87.00	3	*p* 71	2	76.33	----
Charleston, [Dawson]	76.93	88.16	79.46	81.52	----	96	----	------	----	71	----	------	----
Edisto Island (*q*)	77.24	82.93	79.28	79.82	15	*r* 88	27	84.67	3	70	3	*g* 74.67	4.6
St. John's (*s*)	71.00	84.61	75.60	77.07	24	91	24	81.67	2	62	2	70.00	----
GEORGIA—													
Savannah	77.1	88.8	78.2	81.36	24	100	24	88.83	2	72	10	75.10	4.5
Sparta	70.63	90.30	76.70	79.21	27	99	28	*r* 87.33	16	60	15	70.67	4.8
Thomaston (*t*)	75.00	85.30	82.10	80.80	28	97	28	90.67	15	*u* 69	15	73.00	3.9
Whitemarsh Island	77.83	85.00	77.74	80.19	24	*r* 93	24	86.33	11	*v* 72	3	*g* 73.67	4.2
Zebulon	77.33	88.83	83.73	83.30	26	*r* 96	27	90.33	1	*w* 70	6	76.33	2.8
FLORIDA—													
Atsena	79.57	84.10	80.03	81.23	24	*x* 89	30	*y*85.33	2	*z* 74	11	*g* 75.33	3.8
Gainsville (*aa*)	71.47	84.83	75.37	77.22	25	92	30	81.33	16	67	3	72.33	4.2
Jacksonville	79.36	86.26	79.03	81.55	24	*r* 93	27	86.67	18	70	4	*d* 76.00	3.5
St. Augustine	81.47	84.30	78.90	81.56	9	*bb* 91	24	86.33	14	74	3	76.00	4.1
Salt Ponds	79.30	85.30	------	82.30	29	*d* 87	30	*w*84.00	12	75	1	80.00	6.1
Warrington	81.80	84.97	83.63	83.47	27	93	27	90.67	8	74	10	76.67	3.2
ALABAMA—													
Auburn	73.87	86.30	76.00	78.72	27	98	28	87.33	16	66	10	70.67	4.2
Carlowville	72.80	87.47	76.53	78.93	28	*cc* 98	27	87.33	10	67	10	71.33	3.8
Greene Springs	71.36	90.07	77.68	79.70	28	99	28	86.67	15	61	15	71.33	7.7
Greensborough	75.31	84.73	79.57	79.87	27	*cc* 92	27	86.67	15	66	15	71.17	3.1
MISSISSIPPI—													
Columbus	72.87	87.00	75.35	78.41	30	93	30	83.80	15	64	15	70.93	3.9
Oxford	78.43	82.37	74.40	78.40	30	89	27	85.33	9	64	9	64.67	3.7
TEXAS—													
Austin	72.93	89.50	81.73	71.39	7	94	20	*dd*84.67	11	67	27	77.33	4.2

a Same temperature on the 22d and 30th.
b Observations taken at 6¼ a. m., noon, and 6 p. m.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 3d.
e Observations taken at sunrise, noon, 3 p. m., and sunset.
f Same temperature on the 21st and 22d.
g Same temperature on the 2d.
h Same temperature on the 22d.
i Same temperature on the 30th.
j Observations taken at sunrise and sunset.
k Observations taken by register thermometer.
l Same temperature on the 29th and 30th.
m Same temperature on the 23d.
n Same temperature on the 7th.
o Same temperature on the 1st.
p Same temperature on the 5th.
q Observations taken at 6 a. m., 3 p. m., and 10 p. m.
r Same temperature on the 27th.
s Observations taken at sunrise, 2 p. m., and 9 p. m.
t Observations taken at 7 a. m., 2 p. m., and 7 p. m.
u Same temperature on the 16th.
v Same temperature on the 2d and 3d.
w Same temperature on the 10th.
x Same temperature on the 26th.
y Same temperature on the 26th and 27th.
z Same temperature on the 3d, 4th, 6th, 7th, 10th, and 11th.
aa Observations taken at 5 a. m., 2 p. m., and 9 p. m.
bb Same temperature on the 24th and 27th.
cc Same temperature on the 29th.
dd Same temperature on the 7th and 14th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
New Braunfels	81.83	96.30	83.63	87.25	13	*a* 101	19	90.67	22	75	3	84.33	4 5
Pin Oak (*b*)	70.83	85.20	81.80	79.28	12	*c* 90	13	83.67	3	55	22	73.33	2.2
TENNESSEE—													
Glenwood	67.63	82.78	72.35	74.25	27	92	29	84.00	16	54	15	63.60	4.7
Walnut Grove (*d*)	74.80?	92.59?	75.75?	81.02?	21?	96?	22?	81.67?	20?	70?	----	----------	3.9
KENTUCKY—													
Ballardsville	72.53	86.27	76.97	78.59	27	97	28	87.33	14	61	14	66.33	3.4
Danville	75.33	86.87	73.27	78.49	26	97	23	86.00	14	63	17	70.00	2.3
Paris	68.77	82.32	71.37	74.15	24	93	29	84.33	51	53	15	57.33	4.2
Springdale	60.67	88.45	77.23	75.45	21	*e* 97	29	84.00	14	44	14	62.83	3.8
OHIO—													
Bellefontaine	71.97	81.27	66.72	73.32	23	95	22	82.33	14	*f* 54	14	61.67	4.4
Cheviot	71.77	84.13	73.53	76.48	26	96	22	91.33	1	56	17	66.33	3.4
Cincinnati, [Harper]	73.20	85.13	75.67	78.00	22	99	22	90.00	14	58	14	68.00	3.3
Cincinnati, [Telegraph] (*g*)	67.50	83.07	73.90	74.82	22	*h* 95	28	84.33	1	*i* 56	15	*j* 65.33	2.6
Cleveland	68.33	77.34	65.67	70.45	4	91	22	84.33	15	54.5	14	56.17	4.2
Collingwood (*k*)	66.20	77.05	69.60	70.95	22	92	22	83.33	16	49	14	55.00	----
Dayton, [Fisher]	65.60	81.97	72.36	73.31	26	95	22	86.00	1	47	1	61.00	2.6
Germantown, [Groneweg]	67.10	82.17	68.45	72.57	22	98	22	84.20	1	52	14	61.70	4.5
Germantown, [Binkerd]	64.45	84.13	68.60	72.39	21	*l* 97	22	85.67	14	*m* 50	14	56.67	3.5
Granville	67.83	81.20	68.57	72.53	21	*n* 94	22	83.67	16	54	15	60.00	3.8
Hillsborough	66.27	78.67	69.10	71.35	22	91	22	82.17	15	53	14	59.83	3.0
Hiram	69.03	79.77	68.17	72.32	21	*o* 89	22	83.00	14	53	15	*j* 55.67	5.3
Jefferson	70.67	73.97	61.33	68.66	24	91	22	82.67	15	*p* 52	14	54.67	5.6
Oberlin	68.7	80.4	65.3	71.46	24	95	29	85.00	15	54	14	56.67	3.2
Perrysburg (*q*)	74.53	82.50	71.30	76.11	4	97	22	89.33	14	56	14	61.67	----
Portsmouth	67.21	84.10	72.64	74.65	21	*n* 95	22	85.67	1	52	17	65.67	4.8
Savannah	69.53	82.33	65.03	72.30	22	98	22	84.00	12	*c* 51	14	57.00	4.4
Unionville	66.93	78.97	61.27	69.06	28	93	29	80.00	15	46	15	55.33	3.9
Urbana	67.80	84.43	68.70	73.64	22	97	22	85.00	14	55	14	60.33	3.9
Zanesville, [Holston]	67.90	84.23	72.43	74.85	22	96	29	85.00	1	52	15	61.67	5.6
MICHIGAN—													
Ann Arbor, [Woodruff]	64.87	79.43	66.73	73.68	22	94	22	83.00	14	49	14	52.33	4.0
Battle Creek	68.33	82.47	68.87	73.22	22	*r* 94	29	*s* 85.00	14	50	14	52.00	3.0
Cooper	68.07	77.83	63.93	69.94	20	92	22	*t* 84.00	14	44	14	48.67	2.0
Copper Falls Mines	-------	-------	-------	62.24	----	86	----	-------	----	40	----	---------	----
Detroit	68.77	77.70	65.70	70.72	21	95	3	83.00	14	48	14	51.33	----
Eagle River (*u*)	60.03	67.97	59.10	62.36	21	82	23	72.67	13	40	13	43.33	----
Grand Rapids, [Currier]	64.43	78.00	65.67	69.36	20	*v* 90	28	83.00	14	46	14	48.67	3.7
Holland	65.80	78.90	64.02	69.57	28	92	28	84.67	14	48	14	51.67	4.0
Romeo	65.34	76.28	63.78	68.46	21	89	22	80 00	15	47	15	*j* 50.00	5.0
Monroe	-------	-------	-------	------	----	------	----	-------	----	-------	----	---------	5.0
INDIANA—													
New Albany	69.33	85.92	69.22	74.82	28	98	28	85.17	15	55	15	62.17	4.1
New Harmony	74.30	86.30	74.23	78.28	27	97	26	88.67	14	61	12	70.00	4.6
ILLINOIS—													
Athens	70.97	87.20	73.33	77.16	26	100	28	87.00	8	60	15	67.33	2.5
Augusta	69.13	84.33	72.20	75.22	25	95	28	85.00	14	55	14	61.33	2.2
Brighton	68.37	79.70	73.50	73.86	23	96	28	85.00	5	55	1	58.67	5.2
Manchester (*q*)	71.27	84.73	70.13	75.38	26	96	24	84.67	14	52	14	59.67	5.7
Marengo	69.07	83.60	69.07	73.91	22	100 *w*	23	*n* 85.33	14	50	15	*c* 61.33	4.2
Ottawa	69.73	83.87	72.86	75.49	23	*r* 96	23	86.33	14	56	13	61.33	4.2

a Same temperature on the 18th and 19th.
b Observations taken at sunrise, noon, and sunset.
c Same temperature on the 13th.
d For 5 days only, from the 20th to the 24th.
e Same temperature on the 3d.
f Same temperature on the 18th.
g Observations taken at sunrise, 1 p. m., and 9 p. m.
h Same temperature on the 28th.
i Same temperature on the 19th.
j Same temperature on the 14th.
k For the last 20 days of the month only.
Same temperature on the 22d and 25th.
m Same temperature on the 16th.
n Same temperature on the 22d.
o Same temperature on the 29th.
p Same temperature on the 14th and 16th.
q Observations taken at 7 a. m., 1 p. m., and 9 p. m.
r Same temperature on the 24th.
s Same temperature on the 22d and 28th.
t Same temperature on the 21st.
u Observations taken at 9 a. m., 3 p. m., and 9 p. m.
v Same temperature on the 21st, 22d, and 28th.
w Same temperature on the 23d.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Pekin (*a*)	------	------	------	72.30	----	95	----	------	----	45	---	------	----
Peoria	69.44	87.20	74.58	77.07	24	100	23	87.88	15	54.5	13	63.08	3.1
Riley (*b*)	61.30	84.26	------	72.78	21	*c* 94	21	83.50	6	42	13	58.00	----
Upper Alton	70.14	82.00	72.53	74.89	25	*d* 91	28	85.33	13	56	15	61.00	2.8
Warsaw	69.97	84.93	72.80	75.92	25	*e* 96	28	85.67	14	55	14	60.33	2.6
West Salem	71.10	89.03	72.67	77.60	23	100	28	*f*87.67	14	59	14	66.00	3.5
MISSOURI—													
Palmyra (*g*)	77.83	84.12	74.40	78.78	25	*h* 97	25	89.67	15	*h* 44	14	64.00	4.1
Rocheport	78.76	88.58	76.44	81.26	21	*i* 98	26	93.00	13	56	8	63.00	1.5
St. Louis	72.98	86.93	75.67	78.53	28	99	25	88.67	13	59	16	65.17	3.0
WISCONSIN—													
Appleton	65.33	80.13	66.47	70.64	20	*j* 90	28	84.00	13	48	13	54.00	3.0
Beloit	70.36	82.26	67.60	73.40	22	96	23	*c*84 67	14	51	13	56.67	2.8
Janesville	65.80	81.77	69.50	72.36	23	96	23	84.00	14	50	13	55.33	4.4
Kenosha	66.43	73.78	65.00	68.40	21	88	21	82.00	1	*k* 51	15	56.33	2.3
Madison, [Schue]	70.00	81.70	70.43	74.04	22	96	22	86.00	14	*l* 53	13	54.33	3.1
Manitowoc	------	------	------	65.00	----	92	----	------	----	46	----	------	----
Milwaukee, [Winkler]	64.33	74.53	61.33	66.76	21	92	28	81.00	1	48	15	55.33	3.5
Milwaukee, [Pomeroy]	67.53	74.87	63.63	68.68	29	94	28	84.67	1	48	14	56.33	5.4
Racine, [Seymour]	------	------	------	65.53	----	------	29	78.00	----	------	18	52.00	8.8
Norway	67.43	81.10	64.90	71.14	22	96	10	83.33	19	51	15	60.00	4.2
Platteville	68.97	84.93	71.93	75.28	21	*m*94	23	87.33	13	*n* 52	13	58.67	3.5
Superior	57.50	66.45	62.83	62.26	19	96	19	84.33	3	*o* 42	4	*p* 45.67	4.7
IOWA—													
Bellevue (*q*)	59.00	83.00	70.00	70.67	----	99	----	------	----	42	---	------	----
Dubuque	73.15	82.64	73.70	76.50	23	98	23	90.00	13	*n* 56	13	59.00	3.3
Fairfield (*r*)	66.53	85.17	75.67	74.20	23	100	23	89.25	14	50	13	57.25	----
Fort Madison	71.73	85.10	74.96	77.26	6	98	24	87.67	14	55	14	63.33	3.5
Franklin	57.90	80.47	69.87	69.41	23	98	23	*c*80.33	14	38	14	49.33	3.5
Iowa City	75.13	82.83	71.80	76.59	23	*s* 96	23	90.00	13	55	13	59.33	5.1
Muscatine	64.80	83.17	66.13	71.37	24	97	22	87.33	12	45	14	*l* 56.33	2.3
Pleasant Plain (*t*)	61.10	88.17	67.90	72.17	26	*u*106	23	85.00	15	40	14	55.00	3.9
Quasqueton (*v*)	68.07	83.78	65.34	73.40	23	98	3	83.33	13	48	7	65.33	3.9
MINNESOTA—													
Belle Prairie (*w*)	58.41	76.53	61.94	65.63	19	96	10	75.00	12	45	12	54.00	5.4
Hazlewood	64.07	78.85	64.43	69.12	23	*x* 92	27	79.67	13	46	13	52.33	3.6
CALIFORNIA—													
Sacramento	66.83	73.10	68.47	69.46	12	94	12	87.00	1	*o* 61	1	64.00	0.8
Stockton	63.33	79.67	64.40	69.13	13	90	13	77.33	5	58	5	60.67	----
MEXICO—													
City of Mexico	59.37	74.37	61.23	64.99	10	80	10	69.67	3	54	6	61.33	3.8
Mirador (*y*)	------	------	------	79.25	----	------	----	82.76	----	------	----	75.49	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*z*)	75.57	84.80	80.43	80.27	8	89	8	84.00	26	71	23	*aa*78.00	4.9
Colonia Tovar, Venezuela (*bb*)	57.14	63.45	57.02	59.20	23	*x* 66	27	60.67	29	53	6	57.33	6.6

a Observations taken at sunrise and 1 p. m.
b Observations taken at sunrise and 2 p. m.,
c Same temperature on the 22d.
d Same temperature on the 28th.
e Same temperature on the 26th.
f Same temperature on the 23d.
g Observations taken at 9 a. m., 3 p. m., and 9 p. m.
h Same temperature on the 26th and 27th.
i Same temperature on the 24th and 26th.
j Same temperature on the 21st and 28th.
k Same temperature on the 15th.
l Same temperature on the 13th.
m Same temperature on the 22d and 23d.
n Same temperature on the 14th.
o Same temperature on the 4th.
p Same temperature on the 3d.
q Observations taken at 7 a. m., 2 p. m., and 8 p. m.
r Observations taken at morning, noon, evening, and night.
s Same temperature on 24th.
t Observations taken at sunrise, 2 p. m., sunset, and 9 p. m.
u At 12 m.
v For the first 24 days of the month only.
w For the first 21 days of the month only.
x Same temperature on the 27th.
y Observations taken at 7 a. m., 2 p. m., and 8 p. m.
z Observations taken at 6 a. m., 2 p. m., and 6 p. m.
aa Same temperature on the 11th.
bb For the last 21 days of the month only.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	75.74	-------	74.81	75.27	17	89	17	88.50	7	60	7	61.50	----
Montreal	70.57	80.42	72.97	74.65	26	92	26	86.03	9	57	6	62.73	5.1
St. John's (*b*)	58.37	62.22	56.00	58.85	28	85	25	73.33	18	41	18	45.33	----
St. Martin	66.13	82.34	67.85	72.11	26	97	26	82.90	2	49	6	56.40	3.4
Toronto (*c*)	64.27	77.46	66.30	69.34	17	92	17	81.77	8	51	7	58.78	2.4
MAINE—													
Carmel	67.30	84.10	65.84	72.41	27	96	27	83.67	5	51	10	62.67	4.5
Cornish	65.48	79.13	66.85	70.49	26	94	25	83.33	7	*d* 53	9	56.00	2.9
Gardiner	69.16	79.10	67.71	71.99	27	94	28	*e* 84.00	5	59	9	61.67	4.4
Perry (*f*)	59.65	68.74	59.65	60 79	25	86	25	73.50	1	*g* 52	6	53.25	4.7
Portland	68.83	80.31	69.03	72.72	27	98	27	86.67	9	57	9	59.33	5.1
Steuben	65.00	73.74	62.55	67.10	25	93	25	82.00	12	52	12	56.67	5.9
NEW HAMPSHIRE—													
Concord	66.72	80.10	70.90	72.57	27	93	27	84.00	5	54	10	60.33	2.6
Londonderry	64.55	79.61	67.00	70.39	27	95	27	83.67	1	51	9	57.00	2.7
Manchester	68.43	82.97	71.21	74.20	18	99	18	87.00	7	59	9	60.67	4.3
North Barnstead	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	4.8
Stratford	65.48	77.10	62.71	68.43	27	92	26	79.00	4	*h* 51	7	57.67	5.2
VERMONT—													
Brandon	65.86	78.72	68.14	70.91	27	91	18	80.83	5	55	6	*i* 61.67	3.6
Burlington	66.87	83.39	70.16	73.47	26	96	26	84.33	7	49	7	61.33	2.8
Craftsbury	63.53	75.19	65.48	68.07	26	86	26	*j* 79.00	7	49	1	56.00	4.0
Shelburn	68.90	79.77	68.03	72.23	26	94	26	82.00	4	52	1	60.33	3.2
MASSACHUSETTS—													
Amherst	66.42	80.78	69.63	72.28	18	95	18	83.90	2	56	8	59.40	3.9
Boston (*k*)	67.03	81.48	72.29	73.60	18	*l* 98	18	86.67	5	54	9	57.67	1.6
Bridgewater (*m*)	70.31	80.50	71.56	74.12	27	94.5	27	*n* 85.67	9	55	9	57.33	2.9
Cambridge (*o*)	65.42	81.34	69.69	72.15	27	97	18	85.33	5	51	9	57.33	4.0
Lawrence (*p*)	61.12	-------	-------	61.12	----	78	----	-------	----	56	----	-------	----
Mendon	68.58	*t* 0.84	71.16	73.53	17	93	17	83.67	5	*d* 55	9	57.33	3.3
Nantucket	70.78	77.89	68.34	72.34	28	88.5	28	80.27	10	60	7	65.17	2.9
New Bedford	-------	-------	-------	71.75	----	------	28	81.00	----	-------	9	61.20	5.3
Newburyport	66.86	79.40	67.99	71.42	27	95	27	84.10	9	54	9	54.90	5.5
North Attleborough	68.77	78.69	65.81	71.09	18	93	18	84.93	9	54	9	55.20	3.4
Princeton	64.60	76.68	67.66	69.65	18	*e* 89	27	80.00	9	54	9	54.00	3.1
Richmond	64.13	86.00	70.87	73.67	26	95	19	81.00	9	50	9	60.33	3.2
Westfield	65.23	80.85	70.39	72 16	18	95	18	82.33	5	55	9	58.00	4.0
Weymouth	69 22	-------	70.13	69.67	18	83	18	81.00	9	57	9	57.50	----
Williamstown (*q*)	63.19	78.41	67.94	69.85	17	*r* 88	18	80.00	5	51	5	60.90	4.2
Worcester	69.06	79.39	72.65	73.70	18	93	27	85.00	9	53	9	55.33	3.6
RHODE ISLAND—													
Providence	66.7	81.1	68.4	72.07	26	92	27	82.00	9	57	9	59.00	3.8
CONNECTICUT—													
Georgetown	65.64	81.35	67.35	71.45	26	*e* 98	18	84.00	5	*i* 56	10	*s* 62.67	3.7
New London	67.81	80.71	72.58	73.70	28	96	28	83.33	9	58	9	61.67	3.2
Norwich	69.90	83.71	70.81	74.81	27	98	27	85.67	2	58	9	61.67	3.5
Pomfret	68.00	77.48	67.68	71.05	18	91	18	82.67	9	53	9	54.33	4.1
Saybrook	69.67	78.35	70.97	73.00	27	88	27	82.00	9	61	9	63.00	3.9
Wallingford	65.97	82.19	68.45	72.17	27	97	18	83.00	2	*s* 56	9	59.50	3.9
NEW YORK—													
Angelica	64.52	82.58	66.94	71.35	26	95	26	82.00	5	*i* 54	1	57.33	2.9
Baldwinsville	65.58	77.81	70.39	71.26	17	*e* 85	16	79.67	2	*h* 55	1	60.00	2.8
Beverly	70.81	80.13	72.42	74.45	27	91	18	84.67	2	*h* 60	9	66.33	3.8

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., and 3 and 9 p. m. for the last 27 days of the month only.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 9th.
e Same temperature on the 27th.
f Observations taken at sunrise, 7 a. m., 2 p. m., and 9 p. m.
g Same temperature on the 6th and 23d.
h Same temperature on the 7th.
i Same temperature on the 1st.
j Same temperature on the 25th.
k Observations taken at 6 a. m., and 2 and 10 p. m.
l Same temperature on the 28th.
m Observations taken at 7 a. m., and 2 and 7 p. m.
n Same temperature on the 18th.
o Observations taken at sunrise, and 3 and 9 p. m.
p Observations taken at 6 a. m.
q Observations taken at 6½ a. m., and 2 and 9 p. m.
r Same temperature on the 26th.
s Same temperature on the 5th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p m	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Blackwell's Island	72.77	80.39	75.61	76.26	19	94	18	88.00	10	62	9	64.67	6.2
Clinton	68.96	78.55	71.45	72.99	17	92	17	83.33	1	55	1	59.33	4.4
Flatbush	70.71	82.62	70.77	74.70	18	96	18	86.17	10	62	10	64.70	4.1
Fordham	70.84	83.90	73.32	76.02	18	*a* 97	18	88.00	10	61	9	64.67	----
Geneva	67.32	81.13	70.41	72.95	----	94	17	84.00	----	56	1	61.17	3.8
Housevi'le	67.61	81.19	67.13	71.98	17	*b* 92	25	81.00	6	51	6	57.67	4.6
Lodi	68.97	79.29	71.29	73.18	17	*b* 90	26	81 33	1	54	1	58.67	3.7
Lowville	60.97	80.13	66.16	69.09	----	90	17	79.67	----	42	6	54.67	3.8
Mexico	69.02	81.86	66.08	72.32	----	96	17	84.43	----	52	1	58.43	3.3
New York city	74.89	82.65	75.49	77.68	27	95	18	88.43	10	63	9	66.56	3.8
North Salem	69.61	82.39	69.24	73.75	----	94	17	83.33	----	59	9	64.67	4.4
Oswego	68.10	75.65	68.06	70.60	17	92	17	82.33	1	53	1	55.67	3.7
Ovid	69.81	79.39	70.19	73.13	17	91	26	*c* 83.00	1	56	1	61.00	3.8
Penn Yan (*d*)	63.00	81.00	71.00	71.67	25	95	17	81.67	2	48	1	56.00	4.9
Plainville (*e*)	72.05	84.95	68.53	75.18	26	96	28	*b* 83.33	1	55	21	66.67	5.2
Pompey Hill	66.68	76.41	66.36	69.82	----	88	26	80.00	----	51	1	56.33	2.3
Rochester, [Harkness]	74.5	80.7	74.4	76.53	----	94	----	-------	----	64	----	-------	----
Rochester, [Pratt]	68.3	82.6	72.6	74.50	17	96	17	85.67	1	57.5	7	63.73	5.2
Sag Harbor	70.81	84.00	70.16	74.99	27	98	27	85.33	10	59	9	63.33	3.7
Spencertown	68.19	82.26	67.48	72.64	18	93	18	82.33	4	52	4	60.67	2.8
Utica	68.53	80.35	68.19	72.36	17	*b* 89	18	80.17	1	58.5	1	62.67	3.9
Wampsville	68.87	83.16	67.68	73.24	17	94	26	83.00	1	54	1	58.67	3.6
Waterford (*f*)	66.86	81.25	71.45	74.54	----	97	----	-------	----	50	----	-------	----
Watertown	67.87	82.90	67.61	72.79	17	91	17	80.00	7	48	1	58.67	4.9
NEW JERSEY—													
Bloomfield	69.08	86.06	71.40	75.51	26	102	18	86.33	23	60	1	66.00	3.2
Burlington	73.16	88.68	73.65	78.50	18	*g* 98	27	88.67	10	64	10	70.00	3.9
Lambertville	73.66	89.81	72.87	78.78	18	101.5	18	90.58	5	50	4	69.33	5.5
Newark	-------	-------	-------	76.08	27	97	18	86.37	2	58	9	67.25	----
PENNSYLVANIA—													
Bedford	70.81	86.00	76.41	77.74	17	95	18	89.67	23	61	22	71.67	3.8
Cannonsburg	66.42	82.00	73.42	73.95	17	93	27	*c* 80.00	21	58	8	67.33	----
Carlisle	73.45	82.03	75.93	77.14	18	94	18	86.67	1	66	9	70 33	3.6
Chromedale	72.68	84.96	72.50	76.71	18	94	18	85.33	20	63	9	70.67	4.5
Easton	70.42	89.72	73.20	77.78	26	102	30	87.00	2	61	9	68.33	3.8
Fleming (*h*)	60.76	85.61	70.50	72.29	26	*c* 96	----	---- --	21	48	----	-------	----
Gettysburg	71.16	90.55	74.61	78.77	18	98	18	89.33	22	64	8	71.33	3.7
Harrisburg	75.48	86.67	75.97	79.37	18	97	18	89.67	2	69	9	72.67	2.9
Lewisburg	70.87	82.84	72.68	75.46	26	95	18	84.27	2	60	2	67.73	4.7
Meadville (*i*)	66.92	81.33	66.55	71.60	3	91	3	81.00	8	59	5	*j* 65.33	3.6
Morrisville	69.61	84.29	71.71	75.20	27	96	27	83.67	10	*k* 62	9	66.33	2.6
Moss Grove	67.67	82.32	67.63	72.54	17	94	17	80.00	1	*l* 56	20	*j* 65.67	3.4
Nazareth	73.68	87.55	75.06	78.76	30	99	30	88.67	9	65	9	*m* 72.00	4.0
Norristown	70.76	84.55	79.16	78.16	18	97	18	87.00	2	61	10	*n* 69.67	4.1
North Whitehall (*h*)	65.32	83.48	75.71	74.84	17	*o* 94	18	83.33	2	52	5	67.00	----
Pittsburg	69.68	83.13	71.61	74.81	17	96	17	82.67	4	62	8	64.67	----
Paradise	-------	-------	-------	85.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	74.98	86.95	78.27	80.07	18	98	18	89.00	20	67	9	73.17	4.9
Pocopson	73.50	89.42	74.32	79.08	18	100	18	90.33	5	65	9	72.33	4.5
Shamokin	-------	-------	-------	-------	30	104	----	-------	2	43	----	-------	----
Somerset	67.56	83.63	67.89	73.03	25	94	18	79.67	20	56	20	63.17	3.5
West Haverford	69.22	87.96	-------	78.59	18	100	18	89.00	10	*p* 62	10	70.00	4.0
MARYLAND—													
Annapolis, [Goodman] (*q*)	-------	-------	-------	77.55	18	97.5	----	-------	20	56	----	-------	----
Bladensburg	73.71	89.16	72.00	78.29	18	102	18	84.33	2	61	10	72.00	4.6

a Same temperature on the 26th and 27th.
b Same temperature on the 26th.
c Same temperature on the 17th.
d Observations taken at sunrise, 2 p. m., and sunset.
e Observations at 7 a. m. and 2 p. m. wanting for 11 days in the early part of the month.
f Observations taken at 6 a. m., and 1, 6, and 10 p. m.
g Same temperature on the 27th and 28th.
h Observations taken at sunrise, noon, and sunset.
i For the first 12 days of the month only.
j Same temperature on the 8th.
k Same temperature on the 11th.
l Same temperature on the 2d.
m Same temperature on the 1st.
n Same temperature on the 9th.
o Same temperature on the 18th.
p Same temperature on the 11th and 21st.
q Observations taken by register thermometer.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Frederick	77.32	86.15	76.21	79.89	18	97	18	90.27	11	67	8	72.50	3.8
Ridge	79.23	90.55	82.58	84.12	28	104	18	93.00	20	70	11	74.33	2.3
Sykesville	69.71	81.94	72.59	74.68	15	*a* 89	27	84.33	2	*b* 60	8	*c* 66.67	3.3
DISTRICT OF COLUMBIA—													
Washington	73.55	86.50	77.27	79.11	18	98	18	88.00	2	61	2	68.33	3.9
VIRGINIA—													
Alexandria	76.23	86.42	77.26	79.97	18	98	18	88.33	2	67	8	72.67	3.5
Berryville	76.19	86.57	79.26	80.67	17	98	18	90.33	9	70	10	72.33	4.6
Crichton's Store (*d*)	74.10	91.46	86.29	83.95	29	*e* 103	30	95.33	22	68	11	75.00	3.9
Garysville (*f*)	------	------	------	80.00	30	98	30	89.33	20	*g* 64	20	54.00	----
Kanawha (*h*)	69.23	88.57	78.90	80.37	17	*e* 96	17	87.25	21	54	21	73.75	----
Lewisburg	68.69	86.13	69.89	74.90	17	*e* 94	17	80.67	21	54	21	66.33	4.2
Peach Grove Lodge	69.35	89.39	71.90	76.88	17	99	27	82.00	21	56	21	68.67	1.4
Poplar Grove	66.86	90.94	73.16	76.99	17	103	17	82.33	21	52	8	72.67	3.9
Portsmouth	77.16	90.42	76.16	81.25	18	102	18	91.33	21	67	21	73.33	3.2
Rougemont (*i*)	78.06	90.31	80.87	83.70	30	102	17	93.60	21	*j* 70	2	74.40	----
Smithfield	------	------	------	78.39	27	96	30	84.40	21	*k* 59	20	71.00	----
Trout Run Valley	70.13	86.06	67.23	74.47	17	96	18	82.67	20	52	20	65.33	3.4
Wirt Court-house	72.06	90.84	73.10	78.67	17	100	17	86.67	21	55	21	69.00	3.4
NORTH CAROLINA—													
Chapel Hill	75.29	91.61	78.71	81.87	30	105	30	92.67	21	66	20	76.33	4.2
SOUTH CAROLINA—													
Aiken	76.84	85.32	78.31	80.16	30	93	28	86.00	24	70	8	75.67	----
All Saints	79.77	84.32	81.39	81.83	18	*l* 91	31	*m* 85.67	23	72	24	77.33	4.5
Camden	77.64	89.16	78.23	81.68	29	*e* 98	30	89.33	23	*n* 71	8	73.67	5.2
Charleston, [Dawson]	79.32	88.54	81.41	83.09	----	98	----	------	----	72	----	------	----
Charleston, [Johnson]	79.03	88.55	81.42	83.00	31	98	31	*o* 88.00	23	72	24	77.33	----
St. John's (*p*)	73.68	88.52	77.94	80.05	31	94	29	84.33	22	66	22	73.67	----
GEORGIA—													
Savannah	78.4	89.8	79.6	82.60	30	98	17	87.60	24	72.5	23	73.27	3.6
Sparta	73.06	92.00	79.03	81.36	1	99	30	87.00	21	63	21	75.00	4.6
Whitemarsh Island	79.48	86.06	78.87	78.14	31	94	1	85.67	23	*q* 72	24	72.67	4.1
Zebulon	80.83	90.87	85.00	85.57	2	*r* 96	31	91.33	24	74	24	80.67	3.7
FLORIDA—													
Atsena	80.52	83.55	80.45	84.84	2	90	2	87.00	24	72	24	74.00	4.7
Gainesville (*s*)	73.42	84.65	76.32	78.13	29	91	3	*t* 85.67	21	68	20	71.67	4.2
Jacksonville	83.48	86.49	78.70	82.89	1	*u* 92	1	87.33	23	*q* 73	23	75.33	4.0
St Augustine	72.71	85.03	79.87	79.20	3	94	3	88.33	23	*v* 75	23	77.00	4.8
Salt Ponds	79.55	85.19	------	82.37	3	*w* 88	11	*c* 84.50	12	*x* 76	17	*y* 80.00	7.1
Warrington	84.50	87.37	85.43	85.77	9	*z* 9)	16	88.33	12	*aa* 78	12	83.33	3.4
ALABAMA—													
Auburn	77.71	91.03	79.65	82.80	15	*bb* 98	5	86.67	24	70	26	75.33	3.4
Carlowville	79.19	91.29	79.65	83.38	16	*e* 98	18	90.67	1	72	26	78.00	2.9
Greene Springs (*p*)	73.72	90.13	79.73	81.19	16	102	2	85.33	21	*cc* 68	19	78.00	5.6
Greensborough	77.29	87.68	82.73	82.57	16	94	30	86.33	25	72	25	77.00	2.5
MISSISSIPPI—													
Columbus	74.94	91.44	79.01	81.80	28	96	30	*bb* 85.33	21	69	21	77.67	3.2
TEXAS—													
Austin	75.23	93.06	83.94	84.08	6	*dd* 98	10	*ee* 87.67	25	69	23	74.67	3.7

a Same temperature on the 18th, 27th, and 28th.
b Same temperature on the 3d.
c Same temperature on the 2d.
d Observations taken at 6½ a. m., noon, and 6 p. m.
e Same temperature on the 30th.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 22d.
h Observations taken at sunrise, noon, 3 p. m., and sunset.
i Observations taken at 7 a. m , 12 m., 2 p. m., 7 p. m., and 9 p. m.
j Same temperature on the 8th.
k Same temperature on the 20th and 23d.
l Same temperature on the 19th.
m Same temperature on the 18th
n Same temperature on the 8th, 20th, 21st, and 24th.
o Same temperature on the 1st.
Observations taken at sunrise, 2 p. m., and 9 p. m.
q Same temperature on the 24th.
r Same temperature on the 29th and 31st.
s Observations taken at 5 a. m., 2 p. m., and 9 p. m.
t Same temperature on the 1st and 2d.
u Same temperature on the 2d and 29th.
v Same temperature on the 20th and 24th.
w Same temperature on the 11th.
x Same temperature on the 17th.
y Same temperature on the 12th.
z Same temperature on the 15th, 16th, and 19th.
aa Same temperature on the 9th.
bb Same temperature on the 16th.
cc Same temperature on the 22d and 26th.
dd Same temperature on the 10th and 12th.
ee Same temperature on the 5th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
New Braunfels	82.50	100.50	85.65	89.55	11	106	11	94.33	25	70	24	*a* 80.00	3.3
Pin Oak (*b*)	72.23	88.35	84.13	81.57	12	94	12	87.00	25	*c* 68	23	74.33	2.2
TENNESSEE—													
Glenwood	71.19	85.23	74.39	76.94	16	93	29	82.93	21	*d* 62	21	70.67	3.9
Walnut Grove (*e*)	74.70	89.73	77.56	80.66	16	96	16	87.00	22	65	8	76.67	4.9
KENTUCKY—													
Ballardsville	75.52	86.94	80.90	81.12	17	96	17	89.00	20	64	20	68.67	3.0
Danville	76.03	87.48	76.03	79.85	16	98	29	*f* 86.67	21	70	21	75.33	2.1
Millersburg	74.35	86.42	79.16	79.98	14	98	29	87.33	21	62	20	73.67	3.1
Paris	72.48	86.29	74.81	77.86	16	*g* 95	29	87.33	21	*a* 61	6	74.33	3.5
Springdale	65.24	89.44	80.16	78.28	17	99	29	87.67	21	51	6	71.83	3.0
OHIO—													
Bellefontaine (*h*)	74.95	85.90	70.65	77.17	25	96	17	86.33	20	*d* 64	1	70.33	4.4
Cheviot	74.39	84.74	77.10	78.74	3	*i* 93	17	87.67	31	67	31	72.67	3.5
Cincinnati, [Harper]	77.47	90.29	79.16	82.31	17	101	17	96.33	21	64	7	72.00	----
Cincinnati, [Telegraph] (*j*)	71.68	86.94	78.45	79.02	17	96	17	88.00	22	64	30	72.33	3.3
Cleveland	69.13	81.92	70.25	73.77	16	*k* 92	17	85.83	21	60	1	65.00	3.6
Collingwood	67.13	80.61	73.35	73.70	17	95	17	83.33	9	58	1	66.33	----
Dayton, [Fisher]	68.70	85.13	76.68	76.84	17	95	16	88.00	21	55	21	68.67	2.7
Germantown, [Binkerd]	70.02	85.66	75.76	77.15	16	98	17	88.33	21	*l* 58	21	67.83	3.0
Germantown, [Groneweg]	70.70	86.90	71.15	76.25	16	96	17	83.97	21	62	21	69.35	3.7
Granville	69.35	83.90	70.42	74.50	17	96	17	84.67	21	55	21	66.00	2.5
Hillsborough	69.11	83.00	72.60	74.90	17	92.5	17	84.00	21	60	21	66.67	2.5
Hiram	69.16	82.52	70.10	73.93	17	97	17	86.33	1	61	4	65.00	3.8
Jefferson	74.84	80.97	64.90	73.57	17	*f* 90	17	83.33	1	54	1	62.67	4.5
Oberlin	70.90	86.13	69.23	75.42	17	100	17	89.67	21	*m* 60	1	66.33	2.2
Perrysburg	73.29	85.65	74.32	77.75	17	99	17	92.00	20	60	7	*m* 70.00	----
Savannah	71.97	87.16	66.84	75.32	17	98	17	87.00	21	51	1	65.00	4.6
Unionville	69.23	78.71	65.23	71.06	11	*f* 92	17	82.33	1	54	1	63.33	2.8
Urbana	70.74	87.68	71.84	76.75	16	*k* 96	17	83.00	21	58	21	65.00	3.2
MICHIGAN—													
Ann Arbor, [Winchell]	66.81	83.32	70.18	73.44	16	94	17	82.67	21	*n* 59	20	66.00	2.8
Battle Creek	69.19	85.84	70.87	75.30	16	100	16	87.00	21	*o* 62	20	67.67	2.7
Cooper	71.77	79.74	68.45	73.32	10	96	16	84.67	2	*p* 60	12	64.67	2.2
Copper Falls Mines (*q*)	------	------	------	67.30	---	85	---	------	---	53	---	------	---
Detroit	71.97	84.03	68.42	74.81	17	94	17	86.67	20	56	20	64.67	4.3
Eagle River	66.23	72.68	65.58	68.16	26	94	26	83.67	8	49	8	51.00	2.9
Grand Rapids, [Currier]	68.10	82.58	66.68	72.45	16	94	16	84.00	19	50	20	62.67	2.6
Holland	70.77	83.45	65.29	73.17	16	97	16	84.33	20	56	20	63.00	3.4
Monroe	------	------	------	------	---	------	---	------	---	------	---	------	3.5
Romeo (*r*)	69.15	81.68	67.21	72.68	25	92	17	83.61	1	54	1	61.50	4.2
INDIANA—													
New Harmony	76.77	88.68	78.61	81.35	29	98	29	90.00	21	68	20	74.33	3.2
Richmond	72.59	85.68	73.68	77.32	16	98	17	87.83	20	63	20	70.41	3.2
ILLINOIS—													
Athens	76.29	91.26	78.06	81.87	15	*f* 103	15	92.33	7	67	6	71.00	3.6
Augusta	70.07	84.19	74.58	76.28	16	93	16	*s* 84.00	30	60	11	69.67	3.1
Brighton	70.03	89.45	81.29	80.26	15	*f* 100	16	91.33	19	52	19	70.00	6.9
Manchester (*r*)	72.42	87.77	73.58	77.92	15	*f* 98	16	87.00	30	62	30	69.67	5.2
Marengo	70.42	85.48	70.06	75.32	25	96	16	85.33	7	*t* 60	7	66.67	3.1
Ottawa	75.13	85.06	73.20	77.80	10	*f* 96	16	86.67	20	64	28	71.67	3.8
Pekin	------	------	------	75.45	---	95	---	------	---	45	---	------	---
Riley	67.97	82.53	68.13	72.88	10	*u* 94	16	84.33	1	45	7	*v* 63.67	2.9

a Same temperature on the 23d.
b Observations taken at sunrise, noon, and sunset.
c Same temperature on the 28th.
d Same temperature on the 22d.
e Month incomplete.
f Same temperature on the 16th.
g Same temperature on the 17th and 29th.
h Observations interrupted from the 3d to the 15th of the month.
i Same temperature on the 16th and 17th.
j Observations taken at 6 a. m., 1 p. m., and 9 p. m.
k Same temperature on the 17th.
l Same temperature on the 25th.
m Same temperature on the 1st.
n Same temperature on the 1st and 20th.
o Same temperature on the 20th.
p Same temperature on the 1st and 12th.
q Observations taken at 6 a. m , noon, and 6 p. m.
r Observations taken at 7 a. m., 1 p. m., and 9 p. m.
s Same temperature on the 15th.
t Same temperature on the 6th.
u Same temperature on the 16th and 24th.
v Same temperature on the 1st.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Warsaw	68.55	84.87	74.00	75.81	24	94	16	85.67	30	60	30	67.33	3.3
West Salem	72.48	89.45	75.26	79.06	29	99	29	87.67	21	61	21	71.33	3.7
MISSOURI—													
Palmyra (*a*)	78.76	84.62	76.58	79.99	29	*b* 95	16	87.67	19	*c* 56	11	71.67	7.2
St. Louis	77.61	90.92	81.32	83.28	17	101	17	92.67	12	71	12	77.17	4.4
WISCONSIN—													
Appleton	68.26	83.22	68.87	73.45	16	94	16	84.67	1	55	1	64.00	2.9
Bay City (*d*)	62.23	78.84	69.45	70.17	....	110	22	94.00	....	42	20	59.67	....
Beloit	71.42	86.71	72.06	76.73	24	96	16	86.33	6	62	12	71.33	2.1
Janesville	68.52	84.47	70.97	74.65	16	*e* 96	16	84.67	31	58	1	67.67	4.3
Kenosha	69.71	76.66	67.89	71.42	28	88	16	82.17	7	*f* 55	7	59.67	2.3
Madison, [Schue]	73.10	83.74	70.47	75.77	25	97	25	85.00	1	65	1	69.33	2.8
Manitowoc (*g*)	.....	.....	.....	69.00	....	86	....	.....	...	52	....	.....	....
Milwaukee, [Pomeroy]	68.71	79.58	67.03	71.77	16	96	16	87.67	6	54	6	60.67	....
Milwaukee, [Winkler]	65.87	76.68	64.00	68.88	16	92	16	79.33	7	54	7	59.00	2.7
Norway	70.65	83.58	69.45	74.56	15	*h* 96	15	86.67	1	50	1	61.33	3.4
Platteville	73.13	88.71	75.48	79.11	16	95	16	85.00	1	60	18	71.00	4.2
Racine, [Seymour]	.....	.....	.....	68.79	....	.....	17	76.00	....	.....	1	60.00	8.6
Superior	64.03	76.88	66.13	69.01	23	98	22	82.33	6	50	6	54.33	4.8
Waukesha	69.61	81.97	68.55	73.38	24	98	16	83.33	7	58	6	66.00	3.8
IOWA—													
Bellevue (*i*)	64.00	85.00	72.00	73.67	....	98	...	.....	....	51	....	.....	....
Border Plains	72.65	82.58	75.03	76.75	15	*e* 92	16	88.00	1	58	1	60.00	5.0
Fairfield (*j*)	72.42	88.03	79.13	77.65	15	97	14	85.25	12	62	30	73.00	....
Fort Madison (*k*)	70.61	85.38	76.16	77.38	24	95	16	*l* 85.33	4	55	7	*m* 71.67	3.8
Franklin	61.48	84.00	71.74	75.74	2	99	2	82.67	18	*n* 50	18	63.00	3.5
Muscatine	67.29	83.29	70.68	73.75	15	*o* 93	15	82.33	19	55	18	65.67	2.2
Pleasant Plains (*p*)	63.06	89.13	70.90	74.44	25	100	16	82.00	19	50	18	66.00	....
MINNESOTA—													
Hazlewood	67.65	81.93	68.97	72.85	16	92	25	79.67	30	58	17	65.00	3.3
CALIFORNIA—													
Sacramento	69.97	81.97	73.45	75.13	10	100	10	87.67	28	63	27	68.67	0.2
Stockton	66.84	84.00	64.65	71.83	7	*q* 96	11	*q* 80.00	28	*r* 60	29	66.00	....
MEXICO—													
City of Mexico	58.74	75.00	60.10	64.61	13	79	12	66.67	2	55	30	62.00	6.6
Mirador (*i*)	.....	.....	.....	80.58	....	.....	....	85.39	....	.....	....	76.39	....
SOUTH AMERICA—													
Catharina Sophia, Surinam (*s*)	75.48	84.48	81.00	80.32	2	*t* 87	22	82.33	8	71	8	77.67	4.4
Colonia Tovar, Venezuela	56.43	62.57	56.20	58.40	24	69	24	61.50	8	*u* 54	11	56.17	6.4

a Observations taken at 9 a. m., 3 p. m., and 9 p. m.
b Hour not given.
c Same temperature on the 31st.
d Observations taken at morn, noon, and evening.
e Same temperature on the 25th.
f Same temperature on the 2d.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 24th and 25th.
i Observations taken at 7 a. m., 2 p. m., and 8 p. m.
j Observations taken at morn, noon, evening, and night.
k Observations taken at 6 a. m., noon, and 7 p. m.
l Same temperature on the 15th.
m Same temperature on the 4th.
n Same temperature on the 19th and 31st.
o Same temperature on the 16th.
p Observations taken at sunrise, 2 p. m., sunset, and 9 p. m.
q Same temperature on the 10th.
r Same temperature on the 27th.
s Observations taken at 6 a. m., 2 p. m., and 6 p. m.
t Same temperature on the 6th, 19th, 24th, 28th, and 31st.
u Same temperature on the 5th, 7th, 10th, and 25th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	69.1	-------	67.9	68.50	2	80	2	79.00	25	57	25	58.50	----
Montreal	64.28	70.76	65.34	66.79	2	90	2	82.26	27	52	26	56.33	6.6
St. John's (*b*)	60.47 ?	72.88 ?	56.29 ?	63.21	3	92	----	-------	6	41	----	-------	----
St. Martin	60.45	72.13	60.49	64.36	2	93	2	79.83	25	43	26	52.93	5.3
Toronto (*c*)	57.90	70.58	60.48	62.99	1	81	2	72.60	25	44.5	25	50.88	4.8
MAINE—													
Cornish	60.13	69.87	61.77	63.92	1	82	2	*d* 73.00	26	48	30	58.00	5.3
Gardiner	63.87	72.10	63.40	66.46	15	*e* 81	1	73.33	27	54	20	57.00	2.7
Monson	-------	-------	-------	-------	----	-------	----	-------	-------	-------	----	-------	7.6
Perry	55.97	65.06	58.19	59.74	1	*f* 72	1	65.67	27	47	21	53.33	6.6
Portland	63.16	73.70	63.29	66.72	12	83	12	72.33	26	52	21	57.67	7.3
Steuben	60.55	66.65	58.74	61.98	4	*g* 76	4	69.00	27	47	27	53.00	7.8
NEW HAMPSHIRE—													
Concord	64.60	74.43	66.21	68.41	1	84	1	77.00	31	52	21	60.00	6.9
Manchester (*h*)	62.57	75.28	66.35	68.07	11	86	7	73.33	21	55	21	57.67	6.6
North Barnstead	-------	-------	-------	-------	----	-------	----	-------	-------	-------	----	-------	6.9
Stratford	59.55	67.26	56.90	61.24	1	89	2	76.00	26	42	26	47.33	7.6
VERMONT—													
Brandon	59.88	69.65	60.67	63.40	2	90	2	79.83	26	47	25	52.00	5.6
Burlington	62.61	74.10	63.26	66.66	2	97	2	83.67	26	48	21	57.67	4.0
Craftsbury	58.10	66.39	58.77	61.09	2	84	2	75.00	26	44	26	48.00	6.5
Norwich (*i*)	63.67	76.82	63.86	68.12	2	91	2	79.68	12	56	5	62.33	----
Shelburn	62.87	69.63	61 23	64.58	2	92	2	80.33	26	48	26	54.00	5.2
MASSACHUSETTS—													
Amherst	61.66	73.18	63.40	66.08	1	87	2	75.90	26	48	26	53.67	5.7
Bridgewater (*j*)	64.77	72.77	66.10	67.88	12	82	12	74.83	26	*k* 52	26	57.67	4.1
Cambridge (*l*)	61.87	73.16	64.88	69.97	6	82	1	75.00	27	46	26	55.00	6.7
Lawrence (*m*)	60.54	-------	-------	-------	----	70	----	-------	----	46	----	-------	----
Mendon	63.00	73.13	64.48	66.87	1	*n* 80	1	75.33	26	*k* 48	26	55.33	5.8
Nantucket	69.00	74.76	66.94	70.23	1	*o* 80	11	75.17	26	59	26	62.00	4.3
New Bedford	-------	-------	-------	68.36	----	-------	1	75.20	----	-------	26	56.70	6.5
Newburyport	62.45	70.78	63.34	65.52	1	86	1	75.53	27	50.3	30	50.97	7.5
North Attleborough	62.46	71.69	60.99	65.05	1	83.5	1	74.27	21	52.8	21	50.33	5.4
Princeton	60.06	68.60	60.81	63.17	1	82	1	73.67	27	45	26	51.67	6.3
Richmond (*p*)	61.17	75.93	65.83	66.98	1	*q* 87	2	76.00	31	52	20	58.00	6.3
Westfield	60.90	73.10	63.39	65.80	1	88	2	75.67	26	49	26	54.00	6.4
Weymouth	64 23	-------	65.21	64.72	1	75	1	73.33	27	52	----	54.00	----
Williamstown (*r*)	60.39	68.90	61.75	63.68	2	84	2	75.50	27	47	27	54.33	6.0
Worcester	63.74	72.06	66.26	67.35	1	85	1	77.33	26	*k* 51	21	52.00	4.9
RHODE ISLAND—													
Providence (*s*)	64.00	76.3	69.2	69.83	3	87	3	76.33	26	48	26	56.67	5.2
CONNECTICUT—													
Georgetown	62.32	73.81	62.77	66.30	1	90	1	75.33	27	46	26	54.00	5.4
New London	64.06	75.68	66.10	68.61	1	*t* 82	1	78.00	26	50	26	58.33	5.1
Norwich	65.06	76.48	65.84	69.13	1	89	1	78.00	27	46	26	56.67	4.5
Pomfret	62.43	70.32	62.32	65.02	1	82	2	72.00	26	48	26	53.33	5.6
Saybrook	66.68	75.26	68.19	70.04	12	84	11	*d* 76 00	26	50	26	57.33	5.1
Wallingford	61.65	73.92	63.42	66.33	1	89	1	75.00	27	47	26	54.67	4.4
NEW YORK—													
Angelica	56.97	73.77	59.58	63.44	2	92	2	81.00	26	33	26	46.33	3.9
Baldwinsville	59.39	69.45	63.48	64.11	2	85	2	76.00	26	47	26	53.00	4.9
Beverly	65.32	72.55	67.13	68.33	1	86	1	77.33	26	56	21	60.67	5.4
Blackwell's Island	69.00	75.06	71.06	71.71	1	84	1	78.67	26	57	26	61.33	6.5

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., 3 p. m., and 9 p. m.; not reported from the 16th to the 29th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 1st.
e Same temperature on the 12th.
f Same temperature on the 5th and 13th.
g Same temperature on the 15th.
h Observations interrupted from the 1st to the 3d, and from the 25th to the 29th.
i For the first 20 days of the month.
j Observations taken at 7 a. m., 2 p. m., and 7 p. m.
k Same temperature on the 27th.
l Observations taken at sunrise, 3 p. m., and 9 p. m.
m Observations taken at 6 a. m.
n Same temperature on the 11th and 12th.
o Same temperature on the 10th, 12th, and 14th.
p Observations interrupted from the 22d to the 28th.
q Same temperature on the 3d.
r Observations taken at 6½ a. m., 2 p. m., and 9 p. m.
s Observations taken at 6 a. m., 1 p. m., and 10 p. m.
t Same temperature on the 14th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	57.80	72.39	62.97	64.39	2	85	2	75.33	26	43	25	54.67	5.0
Cazenovia	59.06	67.67	59.68	62.14	2	82	2	76.00	26	43	26	49.67	5.8
Clinton	62.94	72.87	61.48	65.76	2	97	2	83.67	26	44	26	48.33	5.6
Fishkill Landing (*b*)	62.67	66.50	63.00	64.06	----	----	----	----	----	----	----	----	----
Flatbush	66.39	76.25	66.80	69.81	1	86	1	76.60	26	54	26	57.67	4.9
Geneva	62.48	73.15	63.73	66.45	----	84	2	78.00	----	52	25	51.67	5.0
Houseville	60.35	71.26	59.90	63.84	2	92	2	82.33	25	48	25	50.67	6.4
Lodi	62.77	70.74	61 81	65.11	2	84	2	78.67	25	49	25	52.33	5.7
Lowville	55.06	70.42	59.55	61.68	----	91	2	75 75	----	43	25	46.75	5.5
Mexico	63.21	73.87	61.60	66.23	----	92	2	81.37	----	48	25	53.60	5.3
New York city	66.33	76.25	70.09	70.86	1	87	1	80.23	26	59	26	61.50	4.8
North Salem	64.52	74.18	63.55	67.42	----	86	1	79.67	----	46	26	56.00	5.5
Oswego	63.65	69.68	63.61	65.65	2	89	2	82.67	26	*c* 53	26	55.00	5.7
Ovid	64.32	76.39	60.58	67.10	2	96	2	82.67	26	48	26	54.00	5.0
Penn Yan (*d*)	55.77	72.48	65.23	64.49	2	83	2	74.67	27	47	25	54.33	6.0
Plainville	64.42	74.10	62.29	66.94	2	95	2	80.33	25	52	25	53.67	6.9
Rochester, [Harkness]	64.1	69.6	66.2	66.63	----	99	----	----	----	51	----	----	----
Rochester, [Pratt]	61.81	72.39	65.21	66.47	2	90	2	80.50	26	51	25	56.00	6.0
Sag Harbor	66.77	77.87	66.68	70.44	1	*e* 85	1	76.33	26	53	21	59.67	4.9
Spencertown	60.35	70.94	60.94	64.08	2	87	2	77.67	26	44	26	53.67	4.9
Utica	62 24	72.00	62.42	65.89	2	89.5	2	80.50	25	48	26	52.67	6.3
Wampsville	61.25	73.19	60.48	64.99	2	92	2	78.00	27	45	26	52.00	5.5
Waterford (*f*)	60.55	71.20	63.23	65.75	----	87	----	----	----	41	----	----	----
Watertown	64.13	76.74	62.06	67.64	1	90	2	76.67	25	*g* 50	26	*h* 53.33	6.7
NEW JERSEY—													
Bloomfield	64.32	77.61	63.25	68.43	11	90	1	78.00	31	45.5	26	57.50	3.8
Burlington	69.26	77.74	69.42	72.14	2	91	2	79.67	26	59	26	64.33	4.3
Lambertville	64.79	80.91	65.71	70.47	2	94	3	81.00	26	43	26	57.00	4.9
Newark	----	----	----	70.13	1	87.5	1	79.00	26	47.5	26	57.25	----
PENNSYLVANIA—													
Bedford	62.88	76.40	66.96	68.75	1	89	1	80.33	27	49	26	58.00	4.7
Cannonsburg	60.77	74.50	66.93	67.40	1	86	1	77.00	27	43	30	61.67	----
Carlisle	67.05	76.71	69 23	71.00	1	*i* 84	2	78.33	27	52	26	60.67	4.1
Chromedale	65.90	76.70	66.30	69.63	1	*j* 87	3	79.67	27	50	26	57.13	4.5
Easton	64.03	80.32	66.68	70.34	1	101	1	83.67	27	50	26	58.00	4.9
Fleming (*k*)	58.10	77.66	65.96	66.24	1	92	----	----	27	40	----	----	----
Gettysburg	63.58	78.45	66.65	69.56	1	*l* 89	3	78.33	26	51	30	61.00	3.6
Harrisburg	69.10	78.77	66.03	71.30	1	*j* 88	2	82.67	27	56	26	64.33	3.5
Lewisburg	62.71	75.50	65.67	67.96	1	87	3	78.10	26	45.5	26	54.43	5.8
Meadville	60.93	75.43	60.23	65.53	2	87	2	80.00	31	45	26	55.00	4.2
Morrisville	67.10	78.42	66.39	70.64	1	*j* 92	2	78.67	27	51	26	61.33	3.6
Nazareth	67.55	76.87	65.10	69.84	8	85	1	80.33	31	54	31	62.00	4.9
Norristown	65.83	75.56	67.62	69.67	2	87	2	78.67	27	52	26	58.00	4.7
North Whitehall (*k*)	61.06	76.23	69.39	68.89	2	88	2	78.67	27	46	31	52.00	----
Paradise	----	----	----	76.00	----	----	----	----	----	----	----	----	----
Philadelphia	68.11	78.73	69.58	72.14	1	*i* 89	2	*m* 81.67	27	55	26	59.00	5.0
Pittsburg	62.90	74.74	64.76	67.13	1	*j* 86	1	78.67	26	47	26	53.33	----
Pocopson	67.95	79.72	68.39	71.69	1	93	1	82.13	26	54	26	59.67	5.4
Shamokin	----	----	----	----	----	104	----	----	----	43	----	----	----
Somerset	62.38	73.56	60.19	65.38	1	90	1	77.83	26	45	26	52.00	4.9
West Haverford	64.35	79.55	----	71.95	1	93	2	82.50	26	48	26	58.00	4.3
MARYLAND—													
Annapolis, [Goodman]	----	----	----	----	1	86	----	----	27	50	----	----	----
Bladensburg	66.07	80.63	65.77	70.82	2	92	2	80.67	26	*n* 53	27	64.67	4.9
Frederick	68.44	76.50	69.58	71.51	1	85	2	79.18	31	54	26	63.00	4.4
Sykesville	65.16	73.81	66.68	68.55	1	85	1	76.33	26	53	26	57.33	3.6

a Observations taken at 6 a. m., 2 p. m., and 9 p. m.
b For 3 days only, the 19th, 20th, and 21st.
c Same temperature on the 30th and 31st.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 7th and 14th.
f Observations taken at 6 a. m., 1 p. m., 6 p. m., and 10 p. m.
g Same temperature on the 26th.
h Same temperature on the 25th.
i Same temperature on the 2d and 3d.
j Same temperature on the 2d.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 3d.
m Same temperature on the 1st.
n Same temperature on the 27th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°			°		°		°		°	
DISTRICT OF COLUMBIA—													
Washington	67.32	79.56	71.06	72.65	1	*a* 89	1	80.83	26	57	26	63.00	4.3
VIRGINIA—													
Alexandria	69.85	79.16	70.00	73.00	1	89	1	82.33	26	*b* 58	26	62.00	4.4
Berryville	69.80	76.96	73.12	73.29	6	89	5	79.67	26	58	19	67.00	5.7
Crichton's Store (*c*)	71.67	84.35	79.58	78.53	11	95	11	85.67	31	60	30	70.00	4.8
Garysville (*d*)	------	------	------	70.33	1	92	1	82.00	30	60	29	68.00	----
Kanawha (*e*)	61.79	82.95	72.59	73.48	15	*f* 86	15	78 75	27	*g* 51	30	67.75	----
Lewisburg	62.90	79.32	63.94	68.72	1	94	1	80.00	26	50	26	58.33	4.6
Peach Grove Lodge	63.48	82.29	66.29	70.69	1	92	1	82.67	27	48	30	*h* 62.67	2.5
Poplar Grove	63.19	82.84	67.26	71.10	10	94	1	78.67	31	48	30	62.33	4.9
Portsmouth	76.52	85.42	70.35	77.43	2	94	2	*i* 84.00	26	60	26	66.33	3.9
Rougemont (*j*)	69.91	84.78	70.39	75.67	7	95	1	85 00	26	60	18	70.20	----
Ruthven	70.58	82.50	69.69	74.26	11	98	8	*k* 79.67	26	61	26	66.33	3.6
Smithfield	------	------	------	73 37	11	91.7	11	83.35	26	*b* 52.5	26	62.75	----
Trout Run Valley	59.84	75.03	61.16	65.01	23	84	1	74.67	26	44	26	55.33	3.4
Wirt Court-House	67.23	82.10	68.58	72.64	1	90	7	*i* 80.33	29	57	29	64.33	5.0
NORTH CAROLINA—													
Chapel Hill	70.52	84.74	73.06	76.11	1	*l* 96	11	84.33	31	63	31	63.67	5.4
Goldsborough	73.56	84.04	70.69	76.10	1	96.5	11	85.00	31	63.8	31	65.90	5.7
SOUTH CAROLINA—													
Aiken	74.26	84.70	76.84	78.60	1	*m* 91	24	84.67	4	*n* 68	31	69.67	----
All Saints	77.42	83.06	79.81	80.10	1	*o* 88	2	85.33	21	70	21	74.67	4.5
Camden	74.77	86.55	76.06	79.13	2	97	2	86.67	30	*g* 66	31	66.67	5.6
Charleston, [Johnson]	78.00	87.58	80.26	81.95	1	*a* 97	2	87.67	21	71	30	77.00	----
Charleston, [Dawson]	78.00	87.58	80.00	81.86	----	97	----	------	----	71	----	------	----
Elisto Island (*p*)	78.25	83.50	80.62	80.79	24	87	24	84.67	21	72	30	77.33	4.1
St. John's (*q*)	72.60	83.84	76.71	77.72	1	93	1	84.00	18	*r* 66	21	72.67	----
GEORGIA—													
Savannah	77.00	90.2	80.00	82.40	24	99.4	2	87.63	21	71	28	77.47	4.2
Sparta	71.55	88.16	76.74	78.82	10	98	10	86.33	21	62	31	68.00	4.9
Thomaston (*s*)	71.80?	84.00?	75.00?	76.93?	23	95?	----	------	26	70?	----	------	4.1
Whitemarsh Island	75.94	86.94	79.73	80.87	24	94	24	86.00	21	72	5	78.67	3.7
Zebulon	74.00	80.47	77.77	77.41	11	91	11	86.33	26	*t* 65	31	65.67	4.6
FLORIDA—													
Atsena	79.97	84.42	81.26	81.88	27	*u* 90	25	85.67	5	*v* 75	6	77.00	4.1
Gainesville (*w*)	72.61	86.32	77.55	78.83	25	93	25	*x* 82.00	22	68	5	74.67	3.4
Jacksonville	80.58	86.06	80.32	82.32	25	95	24	87.33	3	*y* 74	27	*z* 79.33	3.7
St. Augustine	83.06	86.52	80.23	83.27	20	97	20	89.67	21	76	5	78.00	4.2
Salt Ponds	80.74	85.29	------	83.01	16	88	16	84.50	19	*v* 78	28	80.00	5.2
Warrington	83.29	87.42	85.26	85.32	25	98	25	93.00	10	75	30	78.00	4.0
ALABAMA—													
Auburn	76.61	87.58	78.55	80.91	24	97	24	91.00	26	70	31	71.00	4.5
Carlowville	80.06	87.68	78.45	82.06	6	*aa* 96	10	88.00	2	72	13	74.67	3.6
Greensborough (*bb*)	77.08	86.00	81.75	81.61	7	92	9	86.50	21	70.5	13	77.00	5.7
MISSISSIPPI—													
Columbus	73.01	89.89	78.26	80.39	10	97.2	24	85.53	21	66	13	74.33	3.2
TEXAS—													
Austin	77.13	96.81	87.42	87.12	12	103	6	91.67	30	72	31	*g* 80.33	3.5
New Braunfels	82.21	103.63	88.84	91.56	6	109 *cc*	6	97.00	30	75	30	85.00	2.6

a Same temperature on the 2d.
b Same temperature on the 27th.
c Observations taken at 7 a m., noon, and 6 p. m.
d Observations taken at sunrise, 2 p. m., and sunset.
e Observations taken at sunrise, noon, 3 p. m., and sunset; for the last 22 days of the month only.
f Same temperature on the 17th.
g Same temperature on the 30th.
h Same temperature on the 26th.
i Same temperature on the 1st.
j Observations taken at 7 a. m., 12 m., 2 p. m., 7 p. m., and 9 p. m. Observations interrupted from the 8th to the 16th of the month. Mean at noon, 80.25; mean at 7 p. m., 73.13.
k Same temperature on the 3d and 7th.
l Same temperature on the 2d, 8th, and 11th.
m Same temperature on the 2d, 23d, and 24th.
n Same temperature on the 20th.
o Same temperature on the 2d and 14th.
p For the last 16 days of the month only.
q Observations taken at sunrise, 2 p. m., and 9 p. m.
r Same temperature on the 21st and 22d.
s Not reliable; only 17 observations during the month.
t Same temperature on the 31st.
u Same temperature on the 28th.
v Same temperature on the 6th.
w Observations taken at 5 a. m., 2 p. m., and 9 p. m.
x Same temperature on the 24th.
y Same temperature on the 5th.
z Same temperature on the 7th.
aa Same temperature on the 8th, 9th, 10th, and 26th.
bb Observations interrupted from the 22d to the 25th, and from the 29th to the 31st.
cc Same temperature on the 7th and 11th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Pin Oak (*a*)	73.16	90.97	88.52	84.22	18	98	11	87.67	30	67	31	79.33	2.2
TENNESSEE—													
Glenwood	66.53	82.25	70.62	73 13	7	91	1	80.00	27	59.5	26	67.47	4.6
Walnut Grove (*b*)	68.00	79.93	70.64	72.86	10	90	10	79.00	17	61	27	67.33	5.4
KENTUCKY—													
Ballardsville	67.45	80.55	73.71	73.90	6	99	7	82.67	31	57	30	65.67	3.9
Millersburg	70.39	79.03	72.26	73.89	2	*c* 90	10	81.33	18	64	18	65.67	6.0
Paris	64.81	78.74	69.06	70.87	7	91	7	79.67	26	55	26	63.33	4.0
Springdale	58.82	81.21	74.87	71.63	1	93	1	78.83	9	*d* 49	26	64.00	3.4
OHIO—													
Bellefontaine	64.13	74.60	62.16	66.96	1	*c* 90	1	80.33	30	52	26	56.33	5.2
Cheviot	62.90	84.52	69.58	72.00	7	96	1	79.33	26	*e* 53	18	63.00	4.2
Cincinnati, [Harper]	69.48	82.45	71.03	74.32	7	95	7	82.33	30	59	18	65.33	4.0
Cleveland	62.30	74.77	64.27	67.11	1	85	1	75.50	31	47	26	57.00	4.2
Collingwood	61.13	75.00	66.29	67.47	2	88	2	76.33	27	48	26	60.33	----
Dayton, [Fisher]	59.37	77.37	69.23	68.66	2	*c* 86	2	78.00	31	42	26	58.67	2.9
Germantown, [Groneweg]	61.47	79.92	64.40	68.60	7	91	7	79.70	31	48	30	58.10	4.6
Germantown, [Binkerd]	61.54	80.43	65.75	69.24	6	*f* 87	10	75.67	27	49	30	62.67	3.6
Granville	62.00	77.06	64.77	67.94	2	88	2	78.00	26	46	26	58.33	3.3
Hillsborough	62.39	75.74	66.99	68.37	7	86	7	79.00	26	*g* 53	25	60.33	3.4
Hiram	63.26	74.06	63.81	67.04	1	86	1	77.67	26	*e* 53	8	58.00	5.1
Jefferson	66.77	73.61	59.10	66.49	1	*h* 88	1	80.67	30	42	31	*d* 56.00	5.1
Oberlin (*i*)	63.85	76.90	64.87	68.54	1	94	1	78.33	26	50	19	*j* 63.33	3.9
Perrysburg (*k*)	65.23	76.90	67.27	69.80	2	89	1	81.33	31	48	30	53.33	----
Savannah	63.45	76.35	61.10	63.63	2	91	1	77.00	26	42	30	53.00	4.4
Unionville	64.45	75.19	60.19	66.61	2	88	2	76.00	30	44	26	55.33	3.9
Urbana	63.03	79.74	61.45	68.07	6	91	1	78.00	30	45	30	56.67	4.0
MICHIGAN—													
Ann Arbor, [Winchell]	59.19	75.71	62.69	65.86	1	87	1	75.67	31	47	30	56.67	3.3
Battle Creek	61.74	77.58	63.45	67.59	1	94	1	79.67	30	47	30	57.67	2.4
Cooper	61.94	72.19	61.68	65.27	1	*h* 84	2	77.33	30	48	29	57.33	1.2
Copper Falls Mines (*l*)	----	----	----	62.03	----	92	----	----	----	51	----	----	----
Detroit	64.45	76.74	65.39	68.86	1	90	6	79.33	31	52	31	59.00	5.8
Eagle River	60.06	63.88	59.29	61.08	1	86	1	83.00	21	*m* 50	30	*n* 54.00	4.3
Grand Rapids, [Currier]	56.42	73.61	61.13	63.72	6	88	2	71.33	30	38	30	51.33	3.2
Holland	60.90	74.61	58.45	64.65	1	93	1	79.67	31	44	30	53.33	3.1
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	4.0
Romeo (*k*)	63.24	75.97	61.15	66.79	2	93	2	80.20	26	47.5	30	57.25	4.6
INDIANA—													
New Harmony	68.26	81.00	71.55	73.60	2	*c* 91	1	83.33	31	56	31	62.33	3.7
Richmond	62 65	78.11	66.32	69.03	2	89	1	78.67	26	50	25	64.00	4.0
ILLINOIS—													
Athens	68.51	82.45	70.90	73.95	1	94	1	86.00	31	54	30 31	66.53	2.7
Augusta	62.64	77.35	67.09	69.03	1	90	1	80.67	30	48	30	60.00	2.4
Brighton	63.00	79.45	69.32	70.59	4	*o* 98	2	81.00	27	44	27	61.00	6.3
Manchester (*k*)	64.06	79.13	65.48	69.56	1	*h* 90	1	81.33	30	46	30	57.67	3.5
Marengo	64.39	80.16	62 58	69.04	1	92	1	80.67	26	*p* 50	30	56.67	3.3
Ottawa	66.93	77.88	65.90	70.24	1	89	1	82.33	26	47	25	61.33	4.0
Pekin	----	----	----	68.06	----	88	----	----	----	41	----	----	----
Peoria	64.58	82.24	68.90	71.91	1	91.6	1	82.24	30	47.5	30	61.17	2.6
Riley	65.03	80.00	60.68	68.57	1	94	1	82.67	29	48	31	59.67	2.6
Upper Alton	66.10	78.00	67.68	70.59	1	90	1	81.33	30	51	26	57.33	2.6
Warsaw	67.00	79.39	65.19	70.53	1	90	1	81.00	26	*p* 57	26	61.00	2.7
West Salem	64.90	82.84	68.77	72.17	7	94	1	81.33	31	52	31	*e* 63.00	3.8

a Observations taken at sunrise, noon, and sunset.
b Month incomplete.
c Same temperature on the 7th.
d Same temperature on the 26th.
e Same temperature on the 30th.
f Same temperature on the 8th, 10th, and 22th
g Same temperature on the 27th.
h Same temperature on the 2d.
i For the first 28 days of the month only.
j Same temperature on the 8th.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.
l Observations taken at 6 a. m., noon, and 6 p. m.
m Same temperature on the 28th and 30th.
n Same temperature on the 25th.
o Same temperature on the 12th.
p Same temperature on the 29th, 30th, and 31st.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MISSOURI—	°	°	°	°		°		°		°		°	
Palmyra (*a*)	72.47	78.64	69.67	73.59	1	*b* 89	1	83.33	26	*b* 42	----	----	7.3
St. Louis	69.8	80.6	72.7	74.37	1	93	1	84.33	30	57	26	64.67	3.8
WISCONSIN—													
Appleton	59.32	74.35	61.79	65.15	1	89	1	78.67	26	45	25	54.67	4.2
Bay City (*c*)	55.68	73.68	65.71	65.02	----	96	1	84.33	---	42	31	57.33	----
Beloit	64.58	83.26	66.09	71.31	1	94	1	83.00	26	*d* 50	30	62.33	2.3
Janesville	61.29	79.19	66.35	68.94	1	94	1	80.33	26	45	29	57.33	4.5
Kenosha	62.78	71.21	62.86	65.62	10	82	1	74.83	25	*e* 51	25	54.33	2.1
Madison, [Schue]	69.06	75.90	67 00	69.99	1	93	6	75.00	29	59	12	66.00	2.7
Milwaukee, [Winkler]	60.03	72.29	59.42	63.91	10	*f* 83	2	72 00	29	48	29	55.33	2.7
Milwaukee, [Pomeroy]	61.55	70.03	61.10	64.56	10	86	10	73.33	15	45	25	56.33	----
Manitowoc (*g*)	-------	-------	-------	64.00	----	82	----	-------	----	47	----	-------	----
Norway	64.16	80.22	61.35	68.58	1	94	1	83.33	29	*h* 50	25	56.00	3.4
Platteville	64.42	83.03	68.09	71.85	1	*i* 94	1	85.33	29	46	29	59.00	2.7
Superior	61.35	69.55	61.13	64.01	1	91	1	81.33	11	*j* 52	25	53.33	4.2
Waukesha	61.77	76.84	62.45	67.02	1	93	1	80.00	31	46	26	58.00	3.4
IOWA—													
Bellevue (*k*)	54.00	83.00	66.00	67.67	----	94	----	-------	----	40	----	-------	----
Border Plains	64.71	78.10	69.26	70.69	1	97	1	88.00	30	40	30	58.33	8.0
Fairfield (*l*)	65.71	75.35	73.94	70.69	1	88	1	82.50	25	*e* 46	24	59.25	----
Fort Madison (*m*)	62.96	78.29	69.45	70.23	1	88	1	80.00	26	47	30	60.00	4.9
Franklin	51.97	73.74	64.58	63.43	16	88	1	76 00	30	37	30	54.00	3.0
Muscatine	57.35	77.87	61.19	65.47	1	91	1	78.33	30	40	30	53.00	2.6
Pleasant Plain (*n*)	53.90	81.87	62.68	66.71	1	94	1	79.75	26	36	26	53.50	----
MINNESOTA—													
Hazlewood	57.68	72.48	60.16	63.44	15	*o* 82	6	70.00	29	*p* 50	30	55.33	3.3
CALIFORNIA—													
Sacramento	64.94	76.13	67.77	69.61	7	98	7	84.00	26	*q* 58	27	*e* 62.67	0.7
MEXICO—													
City of Mexico	58.23	74 29	59.84	64.12	1	*r* 76	15	65.33	21	*s* 52	22	61.33	7.4
Mirador (*t*)	-------	-------	-------	81.61	----	------	----	84.20	----	-------	----	77.45	----
Vera Cruz (*u*)	81.11	87.46	82.92	83.83	24	90½	26	86.73	18	77	16	81.10	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*v*)	76.58	86.58	83.06	82.07	17	92	17	85.33	19	73	6	78.67	3.9
Colonia Tovar, Venezuela	57.97	63.35	56.61	59.31	1	*w* 66	23	62.33	21	54	12	57.00	6.2

a Observations taken at 9 a. m., 3 p. m., and 9 p. m.
b Hour not given.
c Observations taken at morning, noon, and evening.
d Same temperature on the 30th.
e Same temperature on the 26th.
f Same temperature on the 11th.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 31st.
i Same temperature on the 4th.
j Same temperature on the 25th.
k Observations taken at 7 a. m., 2 p. m., and 8 p. m.
l Observations taken at morning, noon, evening, and night.
m Observations taken at 6 a. m., 12 m., and 7 p. m.
n Observations taken at sunrise, 2 p. m., sunset, and 9 p. m.
o Same temperature on the 16th.
p Same temperature on the 30th and 31st.
q Same temperature on the 28th.
r Same temperature on the 9th.
s Same temperature on the 22d.
t Observations taken at 7 a. m., 2 p. m., and 8 p. m.
u For the last 20 days only.
v Observations taken at 6 a. m., 2 p. m., and 6 p. m.
w Same temperature on the 4th, 22d, and 23d.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	60.83	.....	60.4	60.61	10	78	10	77.50	24	46	24	46.50	....
Montreal	56.27	65.77	60.64	60.89	5	80	6	72.30	25	47	17	52.30	5.7
St. John's (*b*)	56.57	74.52	54.17	61.75	18	89	...	.....	1	45	....	.....	....
St. Martin	52.43	67.83	55.34	58.53	6	86	6	73 67	1	41	17	47.70	4.4
Toronto (*c*)	50.80	64.33	54.59	56.57	9	75	10	71.83	22	37	24	44.43	4.9
Wolfville	58.87	67.89	53.83	59.53	5	80	11	70.10	29	42	17	51.67	4.1
MAINE—													
Carmel (*d*)	49.62	68.07	49.39	55.69	15	73	11	66.00	26	35	28	49.33	6.3
Cornish (*e*)	52.88	65.95	55.94	58.26	5	80	5	70.67	25	42	25	48.67	4.3
Gardiner	58.97	67.93	59.00	61.97	5	80	5	70.67	15	42	25	52.67	3.6
Perry	51.37	62.03	54.37	55.92	6	71	5	62.33	17	*f* 40	26	49.33	3.2
Portland	57.86	70.28	60.19	62.78	5	*g* 84	11	72.33	25	44	25	53.67	5.8
Steuben	56.30	64.47	54.47	58.41	5	80	5	68.00	18	*h* 46	18	50.67	4.9
NEW HAMPSHIRE—													
Concord	57.37	70.87	61.33	63.19	11	83	11	74.33	2	*i* 48	25	55.33	3.9
Manchester	54.14	70.59	61.14	61.96	11	85	11	75.00	25	*j* 42	25	54.00	5.7
Stratford	50.50	65.07	53.40	56.32	5	82	11	71.00	25	38	25	44.33	6.4
West Enfield	54.10	66.13	56.93	59.05	10	82	11	71.33	25	42	25	45.67	3.9
VERMONT—													
Brandon	52.92	65.24	56.07	58.08	10	80	10	73.33	28	42	23	*k* 49.67	5.0
Burlington	53.70	68.77	58.53	60.33	10	81	10	74.67	28	41	23	51.67	3.0
Craftsbury	50.47	63.00	55.13	56.20	10	78	10	71.00	28	*k* 40	24	46.00	5.1
Shelburn	54.53	65.00	56.20	58.58	5	*l* 78	10	73.00	28	42	24	49.00	4.8
MASSACHUSETTS—													
Amherst	54.67	69.04	58.97	60.89	10	80	10	70.67	29	38	25	51.33	5.0
Boston (*c*)	56.10	70.63	59.17	61.97	11	84	11	73.67	26	*j* 44	27	50.67	3.0
Bridgewater (*m*)	59.10	70.50	63.07	64.22	5	81.5	19	77.33	25	46	25	53.33	3.0
Cambridge (*n*)	55.20	71.20	60.77	62.39	11	83	11	73.33	25	43	25	50.67	5.2
Lawrence (*o*)	60.54	.....	.....	60.54	....	70	....	.....	....	41	....	.....	....
Mendon	56.67	69.53	60.33	62.18	10	*p* 78	10	*p*71.67	25	46	24	54.33	4.3
Nantucket	64.16	70.68	63.17	66.00	11	79	11	75.00	25	56	25	58.67	3.8
New Bedford	63.96	.....	.....	.....	....	.....	11	69.50	....	.....	25	53.30	5.1
Newburyport	57.01	69.00	60.02	62.01	10	82	11	73.10	25	44.6	26	52.53	6.8
North Attleborough	53.21	66.03	53.96	57.73	5	76.9	10	66.40	25	40	25	46.00	3.7
North Barnstead	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.9
Princeton	55.00	66.10	57.23	59.44	11	78	10	68.33	9	38	25	49.40	5.1
Richmond	50.10	72.07	59.33	60.50	11	90	10	75.00	14	38	21	50.00	4.6
Westfield	53.98	70.20	59.33	61.17	5	*l* 82	10	73.00	25	37	25	48.33	4.4
Weymouth	59.03	.....	60.80	59.91	10	*q* 70	10	70.00	25	46	25	48.50	....
Williamstown	53.56	66.08	58.43	59.36	12	80	18	70.33	28	40	24	48.87	5.2
Worcester	60.53	68.80	62.90	64.08	10	*p* 79	10	72.33	25	49	25	54.00	4.6
RHODE ISLAND—													
Providence (*r*)	56.7	73.4	59.6	63.23	11	83	11	73.67	25	44	24	56.00	3.7
CONNECTICUT—													
Georgetown	54.37	71.63	58.60	61.53	18	84	9	71.33	25	*k* 40	25	50.00	4.5
New London	59.20	74.40	61.63	65.08	10	*p* 81	11	72.67	25	45	24	54.67	3.4
Norwich	58.37	73.03	61.37	64.26	7	84	7	74.33	25	41	25	51.67	3.4
Pomfret	56.57	67.76	59.10	61.14	7	78	7	68.33	25	44	25	49.67	4.7
Saybrook	62.20	71.13	65.17	66.17	7	80	7	73.33	25	48	24	54.67	3.9
Wallingford	55.07	71.73	59.63	62.14	11	84.5	11	73.83	25	40	25	51.67	3.5
NEW YORK—													
Angelica	47.93	72.20	55.43	58.52	7	88	7	74.67	20	32	23	43.00	2.3
Baldwinsville	53.97	65.50	58.53	59.33	18	80	10	72.00	25	43	24	46.67	4.0

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., 3 p. m., and 9 p. m. Seven days not reported, from the 20th to the 26th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d For the last 20 days of the month only.
e Observations interrupted from the 6th to the 20th.
f Same temperature on the 27th.
g Same temperature on the 6th.
h Same temperature on the 3d.
i Same temperature on the 17th.
j Same temperature on the 28th.
k Same temperature on the 24th.
l Same temperature on the 10th and 11th.
m Observations taken at 7 a. m., 2 p. m., and 7 p. m.
n Observations taken at 7 a. m., 3 p. m., and 9 p. m.
o Observations taken at 6 a. m.
p Same temperature on the 11th.
q Same temperature on the 9th.
r Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Beverly	59.00	68.12	63.11	63.41	7	78	10	74.33	24	43	23	52.67	4.0
Blackwell's Island	63.90	71.33	67.33	67.52	18	80	11	78.00	25	53	24	57.00	6.0
Buffalo	53.00	67.97	57.17	59.38	7	82	10	75.00	2	39	24	*a* 46.00	4.6
Cazenovia	52.63	64.57	54.73	57.31	18	81	10	73.33	25	39	24	43.00	4.8
Clinton	55.53	70.27	56.27	60.69	5	87	10	78.67	27	41	24	47.33	4.2
Flatbush	59.29	72.13	61.71	64.38	11	87	11	76.00	25	44.5	25	52.63	4.0
Fordham	60.59	73.21	63.32	65.71	11	88	11	76.67	25	47	25	54.33	2.8
Geneva	56.17	71.42	58.85	62.15	....	89	10	76.83	....	40	24	46.77	4.7
Lodi	56.87	69.17	58.13	61.39	18	86	7	*b* 75.00	25	40	30	46.00	4.9
Lowville	50.30	67.73	55.27	57.77	....	82	10	73.33	....	36	24	46.00	4.8
McGrawville	55.25	64.45	60.93	60.21	10	77.5	7	72.50	23	42	23	47.33	4.5
Mexico	56.69	70.85	55.88	61.14	....	88	10	77.50	....	43	24	47.10	4.4
New York city	63.15	72.94	65.72	67.27	11	86	11	77.63	25	48	24	55.90	3.6
North Salem	57.87	71.80	60.08	63.25	....	86	11	75.50	....	42	24	49.83	4.4
Oswego	56.37	67.60	58.33	60.77	18	85	10	75.67	25	44	24	49.33	5.8
Ovid	56.40	69.87	59.83	62.03	18	87	10	78.33	25	42	24	46.33	4.8
Penn Yan (*c*)	52.13	71.57	62.67	62.12	18	88	10	76.00	2	37	30	47.00	4.9
Plainville	60.37	72.27	57.47	60.04	10	88	10	79.33	22	*d* 46	24	49.33	7.0
Rochester, [Harkness]	59.7	66.8	57.4	61.30	....	87	....	.....	....	41	....	.....	....
Rochester, [Pratt]	56.39	68.41	58.85	61.22	9	87	10	75.33	23	41	23	46.00	7.8
Sag Harbor	62.50	75.37	62.60	66.82	18	85	11	*e* 73.67	25	52	25	57.67	3.8
Spencertown	54.13	69.07	60.07	61.09	18	85	18	73.00	2	41	25	49.00	4.0
Utica	57.07	69.00	58.70	61.59	10	86	10	76.00	25	44	23	53.33	5.0
Wampsville	54.93	71.00	57.13	61.02	10	88	10	79.33	28	42	24	47.67	3.7
Waterford (*f*)	56.32	69.50	60.18	62.87	....	82	....	.....	....	45	....	.....	....
Watertown	58.53	72.63	57.63	62.93	10	88	6	77.33	24	44	23	49.00	6.5
NEW JERSEY—													
Bloomfield	56.15	74.70	61.27	64.04	11	91	11	80.17	25	40	25	51.00	3.3
Burlington	62.07	75.47	64.30	67.28	18	90	18	77.33	25	48	25	55.67	4.1
Lambertville	54.63	76.17	60.61	64.40	11	92.2	11	78.08	28	40.5	24	51.67	5.7
Newark	.....	.....	.....	64.58	11	87	11	77.87	25	42.2	25	52.25	....
Salem	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.9
PENNSYLVANIA—													
Bedford	53.69	73.38	62.96	63.34	18	90	18	75.67	25	36	23	43.00	3.5
Cannonsburg	55.43	72.83	63.67	63.98	17	90	10	77.67	22	41	30	47.00	4.6
Carlisle	58.50	76.71	64.08	66.43	10	91.5	10	80.83	25	41	24	51.67	3.3
Chromedale	56.89	72.08	60.31	63.09	11	86	11	76.23	25	41	25	49.00	3.1
Easton	56.13	77.47	61.72	65.11	7	93	7	*e* 78.33	25	40	24	51.67	4.0
Fleming (*g*)	46.40	74.63	62.70	61.24	18	92	....	.....	23	28	....	.....	....
Gettysburg	55.43	77.83	62.67	65.31	10	91	10	80.33	25	37	24	48.67	3.2
Harrisburg	62.19	76.04	69.96	69.40	18	89	10	82.33	25	47	24	54.67	2.6
Lewisburg	53.28	73.66	60.72	62.55	18	90	18	75.23	25	37	24	49.30	4.8
Meadville	52.30	71.55	55.90	59.92	10	*h* 90	10	80.33	21	34	24	41.33	4.2
Morrisville	57.27	73.83	61.43	64.18	11	88	11	75.33	25	44	25	52.00	2.2
Moss Grove	52.90	68.63	56.14	59.22	17	86	10	77.67	25	*i* 38	24	40.67	3.6
Nazareth	56.77	73.30	56.57	62.21	11	88	18	74.00	25	41	25	49.33	4.3
Norristown	57.92	70.85	62.00	63.59	11	*e* 87	11	77.67	25	43	25	47.67	3.5
North Whitehall (*g*)	53.20	72.97	65.87	64.01	11	90	11	79.33	25	39	24	50.67	5.8
Paradise	.....	.....	.....	72.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	60.18	74.87	63.47	66.17	11	90	18	79.33	25	43	24	51.83	4.5
Pittsburg	56.23	70.93	61.03	62.73	9	90	10	79.00	22	40	24	*a* 46.33	....
Pocopson	59.55	76.38	62.62	66.18	11	91	11	80.67	25	45	24	52.33	4.7
Shamokin	.....	.....	.....	.....	10	94	....	.....	25	27	....	.....	....
Somerset	51.00	69.78	54.43	58.40	10	84	7	73.50	25	33	24	39.67	3.7
Tarentum	53.17	76.00	61.67	63.61	10	*j* 90	10	80.33	19	34	30	47.00	....
West Haverford	59.97	74.77	.....	67.37	11	90	11	81.00	25	48	24	55.00	3.4

a Same temperature on the 30th.
b Same temperature on the 10th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 24th.
e Same temperature on the 18th.
f Observations taken at 6 a. m., 1 p. m., 6 p. m., and 10 p. m. Mean at 6 p. m., 65 46.
g Observations taken at sunrise, noon, and sunset.
h Same temperature on the 17th.
i Same temperature on the 21st, 22d, 23d, and 24th.
j Same temperature on the 15th and 17th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis, [Goodman]	------	------	------	65.22	11	91	----	------	25	36	---	------	----
Bladensburg	57.19	75.71	61.26	64.72	11	90	11	78.67	25	39	25	50.67	4.3
Frederick	59.08	74.15	64.52	65.92	18	86	10	78.50	25	44	24	50.83	3.1
Ridge	70.22	78.88	70.32	73.14	11	94	11	85.00	24	52	24	57.33	2.9
Sykesville	60.00	71.43	62.63	64.69	11	*a* 82	11	78.33	24	46	24	50.00	2.8
DISTRICT OF COLUMBIA—													
Washington	60.73	75.80	65.70	67.41	11	92	11	81.33	25	45	24	51.33	3.6
VIRGINIA—													
Alexandria	62.20	73.95	64.72	66.96	11	88	18	78.33	25	42	24	52 00	3.3
Berryville	62.21	75.11	67.52	68.28	11	88	9	*a*79.67	25	46	24	51.33	3.3
Crichton's Store (*b*)	64.73	75.96	76.32	72.34	18	89	9	*a*82.67	24	49	23	54.33	3.8
Garysville (*c*)	------	------	------	61.00	8	*d* 84	7	77.67	25	38	25	52.33	----
Kanawha (*e*)	56.67	76.57	66.17	66.47	10	91	10	79.00	25	41	30	49.33	----
Lewisburg	56.90	78.10	60.21	65.07	10	91	10	80.00	25	36	23	44.00	4.3
Peach Grove Lodge (*f*)	54.05	74.66	58.83	62.51	9	90	9	80.00	22	33	30	46.33	3.2
Poplar Grove	57.30	77.70	63.87	66.29	17	95	10	80.67	25	37	23	47.00	4.3
Portsmouth	65.13	77.63	64.83	69.20	11	92	11	81.33	25	40	24	*g* 50.67	3.7
Rougemont (*h*)	66.53	79.13	67.17	72.47	11	93	11	86.00	24	45	23	50.60	----
Ruthven	65.58	77.57	68.31	70.49	11	89	11	81.67	25	47	25	55.00	2.6
Smithfield	------	------	------	67.42	11	*a* 88	11	79.50	24	39	24	51.00	----
Trout Run Valley	51.47	74.10	57.20	60.92	17	92	18	76.00	24	*g* 32	24	38.33	2.4
Wirt Court-House	59.33	76.87	62.90	66.37	17	94	10	80.33	25	36	23	49.00	3.7
NORTH CAROLINA—													
Chapel Hill	64.47	79.20	67.40	70.36	16	*i* 92	10	*j*81.33	24	46	23	51.33	3.9
Goldsborough	68.04	78.25	66.88	71.06	17	90	18	81.77	25	48	24	53.33	3.1
SOUTH CAROLINA—													
Aiken (*k*)	67.50	78.75	73.09	73.11	11	84	11	77.67	1	*l* 64	2	68.67	----
All Saints	69.27	78.03	73.00	73.43	16	84	10	*a*78.67	24	49	25	61.00	2.9
Camden	64.53	79.81	67.70	70.68	17	90	11	80.33	24	45	24	52.00	4.2
Charleston, [Johnson]	69.40	81.80	72.87	74.69	12	89	12	*m*81.33	24	50	24	59 33	----
Charleston, [Dawson]	69.26	81.80	72 86	74.64	----	89	----	------	----	50	---	------	----
Columbia	63.53	78.47	70.57	70.86	9	*n* 88	11	80.83	24	44	24	53.67	3.0
Edisto Island	70.63	78.90	73.90	74.48	14	*o* 84	12	80.33	24	52	24	59.00	2.9
St. John's (*p*)	62.52	75.96	67.80	68.76	17	85	17	74.33	25	44	24	52.67	----
GEORGIA—													
Savannah	67.00	82.00	71.6	73.53	12	87.5	14	79.23	24	50	24	58.30	2.8
Sparta	62.67	81.47	68.40	70.85	11	*q* 89	11	79.33	25	42	30	53.33	3.7
Thomaston	63.47	81.27	80.43	75.06	10	*d* 90	10	81.33	24	*g* 42	30	55.33	3.0
Whitemarsh Island	68.97	78.40	71.30	72.89	12	*r* 84	12	78.67	24	54	24	59.00	2.5
Zebulon	68.50	76.13	62.80	69.14	19	86	19	82.67	25	50	25	56.67	3.7
FLORIDA—													
Atsena	73.27	82.60	77.43	77.77	8	*s* 89	9	82.00	25	*t* 58	24	65.67	2.2
Gainesville (*u*)	67.13	83.60	72.87	74.53	9	90	9	80.33	25	53	24	61.67	2.6
Jacksonville	73.73	81.70	73.53	76.32	1	88	1	82.00	24	58	24	63.00	1.8
St. Augustine	78 90	81.00	77.10	79.00	1	92	8	*v*82.00	30	65	24	69.00	3.2
Salt Ponds	78.30	82.63	-------	80.46	1	*w*86	1	*d*83 00	25	74	28	76.00	5.4
Warrington (*x*)	76.73	84.87	80.73	84.11	20	91	11	87.00	25	58	30	68.67	2.1
ALABAMA—													
Auburn	67.63	81.23	72.53	73.80	8	90	8	82.00	24	46	30	54.00	2.9
Carlowville	68.77	82.27	72.87	74.60	10	*d* 92	9	*y*84.67	24	46	30	52.33	2.5
Greene Springs	64.87	84.47	71.67	73.67	9	93	9	83.00	25	38	30	49.67	3.2

a Same temperature on the 18th.
b Observations taken at 7 a. m., noon, and 5 p. m.
c Observations taken at sunrise, 2 p. m. and sunset.
d Same temperature on the 11th
e Observations taken at sunrise, 1½ p. m., and sunset.
f Observations interrupted from the 9th to the 22d.
g Same temperature on the 25th.
h Observations taken at 8 a. m., 12 m., 2 p. m., and 6 and 8 p. m. Mean at 12 m., 77.40; at 6 p. m., 72.13.
i Same temperature on the 17th and 18th.
j Same temperature on the 17th.
k For the first 12 days of the month only.
l Same temperature on the 2d and 3d.
m Same temperature on the 20th.
n Same temperature on the 10th and 11th.
o Same temperature on the 15th, 16th, and 17th.
p Observations taken at sunrise, 2 p. m., and 9 p. m.
q Same temperature on the 19th.
r Same temperature on the 14th.
s Same temperature on the 9th.
t Same temperature on the 24th.
u Observations taken at 6 a. m., 2 p. m., and 9 p. m.
v Same temperature on the 12th.
w Same temperature on the 9th, 10th, and 11th.
x Observations taken at 7 a. m., noon, and sunset.
y Same temperature on the 10th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date	Temp.	Date.	Mean temp	
MISSISSIPPI—	°	°	°	°		°		°		°		°	
Columbus	67.99	78.99	67.93	69.97	2	92	9	80.70	25	41.5	30	48.27	3.3
Natchez	74.30	79.00	76.33	76.54	10	*a* 89	11	86.00	30	49	30	53.67	4.5
Port Gibson	64.47	81.57	72.53	72.86	18	*b* 91	7	*t*83.00	25	43	24	*c* 53.67	5.2
TEXAS—													
Austin	68.43	85.70	72.97	75.70	12	*d* 94	14	83.67	23	52	22	56.00	4.7
New Braunfels	72.66	91.47	78.40	80.84	1	104	14	88.33	24	57	22	59.00	5.1
Pin Oak (*e*)	66.53	81.30	78.33	75.39	14	91	14	83.67	24	54	22	56.67	2.7
TENNESSEE—													
Glenwood	57.66	74.60	62.72	64.99	10	89	10	80.37	24	37	30	44.57	3.7
Knoxville	60.33	72.29	63.10	65.24	10	85	11	78.83	25	37	30	46.67	3.7
KENTUCKY—													
Ballardsville	59.93	73.43	65.03	66.13	16	87	9	80.00	23	39	30	42.00	2.8
Paris	56.50	73.69	60.10	63.43	17	88	10	80.67	25	37	30	45.00	3.0
Springdale	52.78	74.36	67.00	64 71	10	*f* 89	10	80.33	24	29.5	30	44.00	3.3
OHIO—													
Cheviot	57.07	79.13	63.57	66.59	3	96	10	82.00	30	36	30	39.33	3.6
Cincinnati, [Harper]	61.80	76.67	65.33	67.93	17	93	10	82.67	30	40	30	44.00	3.8
Cincinnati, [Telegraph] (*g*)	57.90	73.23	65.43	65.52	16	88	10	79.00	22	33	22	41.33	3.0
Cleveland	57.12	70.72	59.48	62.44	17	94	10	82.33	23	41	23	43.17	4.9
Collingwood	54.77	66.20	59.57	60.18	10	86	7	77.00	21	*h* 40	30	44.67	----
Dayton, [Fisher]	53.10	72.25	64.76	63.37	10	86	10	79.33	24	34	30	41.00	2.8
Germantown, [Groneweg]	57.07	72.05	57.87	62.00	17	88	10	78.12	24	34	30	39.20	4.0
Granville	56.41	70.45	60.45	62.44	10	*f* 88	10	80.33	24	*i* 38	23	45.00	3.7
Hillsborough	56.23	70.58	60.50	62.44	17	85	10	77.00	30	36	30	41.17	2.8
Hiram	56.93	69.79	58.48	61.73	17	90	17	79.00	30	41	30	43.67	4.5
Jefferson	58.67	70.33	54.87	61.29	4	82	10	80.67	23	*j* 40	24	45.33	4.0
Madison	56.77	70.43	55.67	60.96	9	*k* 90	10	83.00	30	42	30	44.67	4.5
Oberlin	57.14	73.14	57.88	62.72	10	90	10	81.67	24	41	23	42.33	3.5
Perrysburg (*l*)	57.27	73.03	61.50	63.93	4	96	10	82.00	24	38	30	46.00	----
Portsmouth (*l*)	59.07	74.96	64.85	66.29	10	*f* 91	17	80.33	25	39	23	*j* 49.33	----
Savannah	55.33	72.97	55.17	61.16	4	93	4	78.00	23	34	23	38.00	4.3
Sidney	59.80	71.48	61.37	64.22	17	91	10	*m*80.00	30	36	30	40.67	5.7
Urbana	55.43	74.50	57.77	62.57	10	91	10	80.00	30	34	30	39.67	3.3
West Bedford	55.80	71.27	60.37	62.48	17	87	10	77.33	24	38	23	43.33	3.8
Zanesville, [Dayton] (*n*)	58.68	76.87	64.25	66.60	10	95	6	86.00	22	36	30	47.00	4.0
MICHIGAN—													
Battle Creek	54.97	70.10	56.87	60.65	10	90	10	79.00	23	*o* 36	30	40.33	3.3
Cooper	56.73	55.73	55.80	59.42	9	84	9	74.67	22	*p* 40	30	44.00	3.0
Copper Falls Mines (*q*)	----	----	----	51.09	----	76	----	----	----	32	----	----	----
Detroit	54.83	69.40	55.93	60.05	10	90	10	79.00	23	*r* 40	30	43.00	4.7
Eagle River	53.30	57.67	52.86	54.61	3	78.	3	74.67	29	37	29	38.67	7.6
Grand Rapids, [Currier]	52.23	66.00	53.77	57.37	4	87	9	77.33	24	33	30	40.67	3.6
Holland	55.16	68.83	54.90	59.63	4	93	9	80.33	23	32	30	35.67	4.3
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	6.1
Romeo (*l*)	55.42	68.57	55.61	59.87	10	88	10	79.25	25	41.2	30	44.50	5.4
INDIANA—													
New Harmony	59.53	74.10	63.60	65.74	9	89	9	*s*83.00	30	38	30	41.67	3.6
Richmond (*t*)	50.10	72.09	59.33	60.50	3	82	10	75.00	2	56	21	50.00	5.5
ILLINOIS—													
Athens	60.23	76.66	64.40	67.10	17	99	9	83.00	23	*j* 37	30	41.67	3.5
Augusta	54.53	73.02	60.50	62.68	15	*f* 90	9	81.00	22	*j* 35	30	39.33	2.4
Brighton	54.40	72.50	66.60	64.50	10	*f* 86	16	76.67	22	28	30	41.33	6.4
Manchester (*l*)	55.60	74.33	57.90	62.61	10	*u* 90	9	78.00	22	*v* 34	30	39.33	5.3

a Same temperature on the 11th.
b Same temperature on the 19th.
c Same temperature on the 25th.
d Same temperature on the 14th, 15th, and 16th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 17th.
g Observations taken at 6 a. m., 1 p. m., and 9 p.m.
h Same temperature on the 23d and 24th.
i Same temperature on the 27th.
j Same temperature on the 24th
k Same temperature on the 10th and 17th.
l Observations taken at 7 a. m., and 1 and 9 p. m.
m Same temperature on the 16th.
n Observations incomplete at 9 p. m.
o Same temperature on the 30th.
p Same temperature on the 24th and 29th.
q Observations taken at 6 a. m., noon, and 6 p. m.
r Same temperature on the 24th and 30th.
s Same temperature on the 10th.
t For the first 9 days of the month only.
u Same temperature on the 15th.
v Same temperature on the 23d.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°		°		°	
Marengo	57.78	70.89	58.07	62.25	9	90	9	81.33	28	*a* 30	28	*b* 34.67	3.9
Ottawa (*c*)	58.38	70.70	69.50	62.86	9	*d* 89	14	80.00	30	30	30	32.67	4.3
Pekin (*e*)	----	----	----	61.00	----	90	----	----	----	31	----	----	----
Peoria	56.30	76.52	62.39	65.07	15	95	9	83.20	30	36	30	40.25	3.2
Riley	51.47	67.50	53.77	57.58	16	86	9	77.33	24	29	30	32.67	3.6
Warsaw	58.13	75.27	59.90	64.43	9	94	9	84.33	30	35	30	41.00	3.1
West Salem	58.47	78.13	62.03	66.21	9	*f* 92	10	82.67	30	37	30	40.33	3.5
MISSOURI—													
Palmyra (*g*)	64.20	69.65	61.06	64.97	13	*h* 89	15	82.01	24	*i* 32	31	44.67	7.9
St. Louis	60.00	74.70	64.2	66.30	10	92	9	81.83	30	41	29	43.67	3.2
WISCONSIN—													
Appleton	51.83	66.07	55.27	57.72	9	84	9	78.00	30	31	30	34.67	4.3
Bay City (*j*)	47.40	61.30	54.53	54.41	----	90	3	74.00	----	33	30	36.33	----
Beloit	54.06	73.40	58.43	61.96	3	*k* 90	9	81.00	24	32	30	35.33	3.6
Janesville	52.20	68.20	57.87	59.42	9	90	9	80.67	30	30	30	32.00	4.7
Kenosha	54.35	64.98	55.90	58.41	9	*l* 81	9	77.00	30	32	30	34.83	7.3
Manitowoc (*m*)	----	----	----	57.00	----	81	----	----	----	31	----	----	----
Milwaukee, [Winkler]	53.27	65.77	54.20	57.75	9	89	9	79.00	30	30	30	34.33	3.5
Milwaukee, [Pomeroy]	55.23	68.97	55.27	59.82	17	84	6	71.67	23	38	23	43.00	----
Norway	54.33	69.23	54.83	59.46	9	90	9	80.00	30	31	30	35.33	5.1
Platteville	54.77	70.83	59.17	61.59	9	90	9	82.33	21	30	30	33.33	4.5
Superior	50.40	58.32	52.77	53.83	3	88	3	75.33	30	34	30	36.00	5.8
Waukesha	54.03	68.53	56.43	59.66	9	88	9	80.33	30	34	30	36.33	4.9
IOWA—													
Bellevue (*n*)	49.00	71.00	58.00	59.33	----	90	----	----	----	30	----	----	----
Border Plains	59.77	73.33	64.47	65.86	9	90	9	82.67	30	34	28	42.00	6.2
Fairfield (*o*)	59.87	65.60	73.90	63.18	9	93	9	82.50	22	32	30	39.75	----
Fort Madison (*p*)	53.20	72.86	62.23	62.76	14	90	9	82.00	22	*q* 32	30	39.67	4.8
Franklin	44.77	71.30	58.00	58.02	9	90	9	81.67	30	19	30	31.00	2.8
Iowa City	65.23	72.03	64.87	67.38	9	88	9	81.33	20	*r* 54	28	56.00	5.0
Mount Vernon (*s*)	49.21	59.14	57.85	55.40	17	86	17	79.33	30	34	30	38.00	----
Muscatine	50.17	71.07	56.50	59.25	9	91	9	80.00	24	28	30	38.33	3.2
Pleasant Plain (*t*)	50.77	75.13	59.50	62.03	9	*u* 92	9	81.50	24	27	3	42.50	----
MINNESOTA—													
Hazlewood	45.53	56.90	47.33	49.92	3	88	3	67.33	29	13	29	29.00	----
CALIFORNIA—													
Sacramento	63.77	79.97	69.40	71.05	18	95	17	78.33	21	57	14	62.67	0.9
MEXICO—													
City of Mexico (*n*)	57.23	72.53	53.17	60.98	2	*v* 75	4	64.67	9	50	9, 15	60.00	2.8
SOUTH AMERICA—													
Catharina Sophia, Sur'm (*w*)	76.07	85.17	82.67	81.30	8	*x* 91	1	*y* 84.00	12	73	30	81.00	3.2
Colonia Tovar, Venezuela	57.30	64.73	57.10	59.38	11	69	13	61.67	30	52	30	56.67	6.5
Mirador (*n*)	----	----	----	78.39	----	----	----	82.40	----	----	----	76.69	----
Vera Cruz	78.26	85.40	80.08	81.25	23	*z* 90	3	87.03	14	73½	25	?	----

a Same temperature on the 29th and 30th.
b Same temperature on the 30th.
c Hours of observation not uniform.
d Same temperature on the 17th.
e Observations taken at sunrise and 1 p. m.
f Same temperature on the 10th, 15th, and 16th.
g Observations taken at 9 a. m., 3 p. m., and 9 p. m.
h Same temperature on the 17th. Hour not given.
i Same temperature on the 31st. Hour not given.
j Observations taken at morning, noon, and evening.
k Same temperature on the 9th.
l Same temperature on the 14th.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Observations taken at 7 a. m. 2 p. m., and 8 p. m.
o Observations taken at morn, noon, eve, and night.
p Observations taken at 6 a. m., noon, and 7 p. m.
q Same temperature on the 24th.
r Same temperature on the 22d, 28th, and 29th.
s For the last 15 days of the month only.
t Observations taken at sunrise, 2 p. m., sunset, and 9 p. m. Mean at sunset, 62°.73.
u Same temperature on the 5th.
v Same temperature on the 4th, 5th, and 7th.
w Observations taken at 6 a. m., 2 p. m., and 6 p. m.
x Same temperature on the 25th.
y Same temperature on the 7th.
z Same temperature on the 2d and 3d.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	47.7	-------	48.9	48.30	9	65	9	62.50	24	35	24	35.50	----
Montreal	47.50	54.47	48.83	50.27	10	75	10	67.56	24	33.4	31	36.36	4.7
St. John's, Newfoundland (*b*)	47.44?	54.61?	43.12?	48.39?	----	------	----	------	----	------	----	------	----
St. Martin	39.63	55.19	42.85	45.89	10	80.6	10	65.40	15	25	24	32.10	3.2
Toronto (*c*)	40.83	51.20	43.44	45.16	9	70	9	56.72	24	23	24	31.52	8.1
Wolfville	45.68	53.34	47.47	48.83	9	68.5	9	62.00	18	32	15	35.80	4.0
MAINE—													
Carmel	38.36	55.21	41.00	44.86	10	83	10	63.33	17	23	17	31.00	4.0
Cornish	43.87	57.61	44.61	48.70	9	*d* 80	10	69.67	24	27	24	30.67	2.5
Gardiner	43.97	56.61	48.26	49.61	12	71	30	63.33	20	30	20	36.67	4.5
Perry	41.87	52.61	44.52	46.33	11	68	11	61.33	25	30	24	31.67	4.1
Portland	44.56	59.39	48.58	50.84	10	82	10	69.33	26	30	24	36.00	3.6
Steuben	43.55	53.74	45.29	47.52	10	71	11	62.00	15	29	15	31.33	5.2
NEW HAMPSHIRE—													
Concord	42.06	59.48	47.84	49.79	10	78	10	63.33	15	26	24	34.67	2.4
Great Falls	41.63	60.53	44.92	49.02	10	83	10	67.00	15	26	24	34.00	2.9
Manchester	39.42	58.23	48.32	48.66	10	79	10	63.67	16	25	24	34.33	3.2
Stratford	37.00	53.42	40.42	43.61	9	*d* 77	9	60.33	25	20	24	29.67	4.9
West Enfield	41.23	52.52	45.03	46.26	10	76	9	*d* 65.00	15	24	14	*e* 32.00	2.7
North Barnstead	-------	-------	-------	-------	----	------	----	------	----	------	----	------	4.5
VERMONT—													
Brandon	40.81	54.75	44.41	46.66	10	76	10	62.67	15	24	24	31.17	4.3
Burlington	42.35	55.61	46.74	48.23	10	76	10	65.33	25	25	25	34.00	2.4
Craftsbury	38.74	52.01	42.45	44.40	10	74	10	64.00	26	23	24	29.00	4.1
Norwich	38.23	54.13	41.52	44.63	10	*f* 74	11	58.67	15	18	25	29.67	6.4
Shelburn	40.48	53.45	43.13	45.69	10	74	10	63.33	16	*g* 22	25	30.33	3.8
MASSACHUSETTS—													
Amherst	41.08	58.12	47.11	48.77	11	75.5	6	62.80	25	25	24	35.14	3.9
Bridgewater (*h*)	45.15	59.26	55.34	53.25	10	81	10	68.00	25	30	24	37.67	1.8
Cambridge (*i*)	43.35	58.45	48.59	50.13	10	78	6	65.33	15	27	24	34.33	3.7
Lawrence (*j*)	40.93	-------	-------	-------	----	50	----	------	----	23	----	------	----
Mendon	44.77	59.13	48.52	50.81	10	*f* 76	10	66.33	16	*g* 30	24	35.67	3.3
Nantucket	53.57	60.19	54.01	55.92	10	76	10	66.23	24	40	24	43.20	3.2
New Bedford	-------	-------	-------	51.84	----	------	11	65.50	----	-------	24	35.50	4.0
Newburyport	45.29	59.07	48.62	50.99	10	83	10	69.10	15	*k* 32	24	34.33	5.1
North Attleborough	44.46	59.14	46.45	50.02	10	83	6	65.67	25	28.7	24	34.20	2.8
Princeton	45.49	54.45	46.26	48.73	10	77	10	69.57	24	27	24	30.83	3.6
Richmond	39.03	60.19	47.52	48.91	11	82	11	69.00	15	22	15	33.67	4.0
Westfield	40.39	59.03	46.74	48.72	6	79	6	62.00	16	25	15	34.33	3.6
Weymouth (*l*)	50.77	-------	52.77	51.77	11	63	11	61.50	15	32	15	34.00	----
Williamstown	39.91	53.95	44.32	46.06	8	72	11	57.63	16	25	15	31.23	4.0
Worcester	48.00	58.45	49.26	51.90	10	76	10	67.00	24	*g* 31	24	33.67	3.3
RHODE ISLAND—													
Providence	44.3	59.3	46.9	50.17	10	76	6	64.67	25	28	24	33.33	3.3
CONNECTICUT—													
Georgetown	42.58	60.35	47.12	50.02	11	82	6	64.67	24	*g* 30	24	35.33	3.2
New London	45.77	59.39	49.32	51.49	11	73	6	64.33	25	28	25	33.00	3.5
Norwich	43.03	60.52	48.26	50.60	10	78	6	66.00	16	26	15	*k* 35.67	2.8
Pomfret	44.45	56.77	46.52	49.25	10	*f* 74	10	63.33	15	28	24	33.33	3.5
Saybrook	49.48	59.48	53.52	54.16	6	70	6	65.67	25	30	24	39.33	3.6
Wallingford	42.42	61.10	46.63	50.05	11	79	6	64.00	25	26	15	36.00	2.7
NEW YORK—													
Angelica	36.52	54.55	41.39	44.15	5	73	5	58.00	14	22	15	26.33	3.9
Baldwinsville	42.23	52.29	46.94	47.15	10	66	6	59.00	25	26	24	33.00	3.5
Beverly	45.35	58.21	49.90	51.15	11	74	6	65.00	15	*g* 31	15	37.67	4.0
Blackwell's Island	50.84	59.65	54.29	54.93	11	77	11	69.67	25	33	31	39.33	6.6
Buffalo (*m*)	41.90	54.77	45.23	47.30	10	71	5	64.00	16	27	24	34.33	5.0

a Observations taken at 9 a. m. and 9 p. m.
b Observations reported only from the 1st to the 9th and from the 18th to the 24th; taken at 8 a. m., 3 p. m., and 9 p. m.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 10th.
e Same temperature on the 25th and 31st.
f Same temperature on the 11th.
g Same temperature on the 25th.
h Observations taken at 7 a. m., 2 p. m., and 7 p. m.
i Observations taken at 7 a. m., 3 p. m., and 9 p. m.
j Observations taken at 6 a. m.
k Same temperature on the 24th.
l For the first 22 days of the month only.
m Observations taken at 6 a. m., 2 p. m., and 9 p. m.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Tem	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Cazenovia	39.35	51.73	41.84	44.31	5	72	5	61.33	25	21	24	28.00	4.8
Clinton	42.42	55.74	43.84	47.33	10	79	5	68.00	23	23	14	32.67	4.6
Flatbush	46.57	59.89	49.71	52.06	11	77	6	66.40	15	33.3	24	37.67	3.9
Fordham	48.29	61.16	51.19	53.55	9	*a* 89	6	67.00	15	*b* 35	24	38.33	2.1
Geneva	43.82	56.45	47.29	49.19	....	75	5	63.50	....	29	24	34.60	3.9
Lowville	37.87	53.10	42.16	44.38	....	74	5	57.33	....	20	24	28.67	4.1
McGrawville	41 84	50.87	47.15	46.62	11	67	5	60.80	25	25.5	15	33.60	4.4
Mexico	41.24	56.38	43.26	46.96	....	79	5	63.20	....	22	24	31.10	4.3
New York city	49.70	60.42	53.59	54.57	11	77.5	6	67.20	25	35	24	40.63	3.7
North Salem	42.32	59.61	45.53	49.15	....	77	6	66.67	....	21	24	33.67	3.7
Oswego	43.23	55.27	45.23	47.91	5	75	9	59.67	25	26	24	33.33	5.3
Ovid	44.23	54.68	47.61	48.84	5	77	5	67.33	25	27	14	34.00	4.6
Penn Yan (*c*)	41.23	54.06	49.58	48.29	5	*a* 79	5	66.33	25	23	31	32.33	6.0
Rochester, [Harkness]	45.8	56.2	47.8	94.93	....	77	....	.....	....	31	....	.....	....
Rochester, [Pratt]	44.6	56.5	48.1	49.73	5	76	5	65.83	16	31	31	36.33	7.4
Sag Harbor	50.27	65.12	52.39	55.93	10	82	11	67.67	24	36	24	41.00	3.0
Spencertown	40.68	55.29	44.71	46.89	10	*d* 74	6	61.67	25	21	24	30.67	3.3
Townsendville	43.58	55.10	45.73	48.14	5	77	5	66.67	25	26	31	31.33	4.7
Wampsville	41.42	57.61	44.90	47.98	5	*a* 76	5	62.00	15	*e* 26	24	31.33	4.0
Watertown	45.19	55.23	44.87	48.43	5	72	5	68.67	15	20	15	26.67	6.1
Waterford (*c*)	45.47	56.25	48.23	50.46	....	70	....	.....	....	28	....	.....	....
NEW JERSEY—													
Bloomfield	45.21	60.68	48.89	51.59	9	74	11	64.00	16	28	24	35.83	3.3
Burlington	50.16	63.48	52.52	55.39	6	74	6	66.67	25	35	31	43.67	3.9
Lambertville	43.55	63.22	49.35	52.04	11	81.4	6	67.10	25	22.3	24	37.07	5.9
Newark	.....	.....	.....	52.00	11	76.5	6	66.37	25	28.7	24	37.62	....
PENNSYLVANIA—													
Bedford (*f*)	44.29	61.71	49.61	52.89	11	78	11	62.67	31	28	31	32.33	3.5
Cannonsburg	45.16	59.71	52.42	52.43	4	86	4	64.67	31	30	31	32.33	5.5
Carlisle	42.75	59.41	47.56	49.91	6	77	6	68.33	25	28	25	35.33	3.4
Chromedale	45.09	60.00	47.77	50.95	6	74.3	6	65.60	25	28	15	*b* 38.00	3.4
Easton	42.65	63.74	48.31	51.57	11	83	6	68.67	16	26	31	37.00	3.5
Fleming (*g*)	36.12	58.87	49.71	48.23	13	80	....	.....	16	20	....	.....	....
Gettysburg	42.77	66.65	49.23	52.88	10	92	6	71.00	25	27	31	33.67	3.2
Harrisburg (*h*)	48.23	59.89	53.62	53.91	6	75	6	70.33	25	33	25	40.33	4.0
Lewisburg	39.75	59.52	45.67	48.31	6	79	6	64.33	25	24	25	34.40	5.6
Meadville	40.60	58.93	44.23	47.92	9	*d* 80	5	61.67	16	23	31	29.67	4.7
Morrisville	45.03	60.32	49.74	51.70	11	77	6	63.67	25	31	31	38.67	3.0
Moss Grove	41.32	57.50	43.90	47.57	8	*i* 78	22	62.33	15	24	31	29.00	4.0
Nazareth	43.90	59.19	45.16	49.42	6	76	6	64.67	16	26	31	35.33	3.9
Norristown	45.88	58.94	49.68	51.50	6	79	6	66.33	25	30	31	38.00	3.5
North Whitehall (*g*)	41.71	58.82	49.82	50.12	11	77	6	67.33	25	24	15	35.00	6.3
Paradise	.....	.....	.....	57.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	47.32	61.39	51.55	53.42	11	78	6	69.00	25	29.5	24	36.67	4.7
Pittsburg	43.91	60.84	48.35	51.04	3	*j* 78	5	65.67	15	*k* 30	24	38.67	....
Pocopson	46.65	61.81	49.47	52.64	6	79	6	68.67	25	31	24	39.33	4.3
Shamokin	.....	.....	.....	.....	6	82	....	.....	25	13	....	.....	5.0
Somerset	40.03	56.39	43.56	46.66	11	*l* 73	6	60.67	31	20	31	25.67	4.3
Tarentum	43.16	63.55	50.45	52.39	12	83	12	65.67	31	31	31	33.33	6.1
West Haverford	48.78	61.52	.....	55.15	6	*m* 74	6	68.00	....	32	24	38.50	2.9
MARYLAND—													
Annapolis, [Goodman]	.....	.....	.....	53.78	6	76	....	.....	25	32	....	.....	....
Bladensburg (*n*)	44.00	66.00	47.22	52.41	6	78	13	65.33	31	25	31	33.00	4.5
Frederick	46.16	59.44	50.76	52.12	6	77	6	68.33	25	33.5	31	38.33	3.9
Ridge	55.50	67.57	54.67	59.25	6	85	6	73.00	31	38	31	41.00	2.9
Sykesville	44.65	59.26	50.16	51.36	5	*o* 75	6	67.00	25	28	15	35.00	3.5

a Same temperature on the 10th.
b Same temperature on the 24th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 11th.
e Same temperature on the 25th.
f Observations interrupted from the 14th to the 25th of the month.
g Observations taken at sunrise, noon, and sunset.
h For the last 26 days of the month only.
i Same temperature on the 9th, 10th, and 11th.
j Same temperature on the 9th and 10th.
k Same temperature on the 31st.
l Same temperature on the 12th.
m Same temperature on the 10th and 11th.
n Observations interrupted from the 13th to the 25th of the month.
o Same temperature on the 11th and 13th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
DISTRICT OF COLUMBIA—													
Washington	46.98	63.71	53.84	54.84	6	79	6	68.67	25	32.5	31	39.50	4.0
VIRGINIA—													
Alexandria	49.06	63.40	54.63	55.70	6	77	13	68.67	25	35	31	41.17	4.0
Berrysville (*a*)	50.70	62.05	56.05	56.27	9	76	23	65.67	31	36	31	39.67	2.8
Crichton's Store (*b*)	52.72	64.63	63.42	60.26	5	85	10	70.00	15	36	15	38.33	3.4
Garysville (*c*)	----	----	----	53.00	6	80	6	73.00	29	33	31	43.00	----
Kanwaha (*d*)	47.13	65.16	55.71	56.00	12	81	4	69.33	29	31	31	39.67	----
Lewisburg	45.14	66.69	48.59	53.47	10	82	12	67.33	15	*e* 32	15	36.00	5.0
Poplar Grove	45.39	67.81	53.97	55.72	11	*f* 84	4	66.67	29	30	31	39.00	4.6
Portsmouth	50.90	68.19	54.32	57.80	13	81	5	68.33	29	38	29	48.00	3.2
Rougemont (*g*)	52.73	66.88	57.00	60.59	12	*h* 83	23	74.00	31	31	31	38.60	----
Ruthven	50.08	64.92	53.35	56.12	23	80	5	70.00	31	34	31	42.67	2.7
Smithfield (*i*)	----	----	----	58.76	23	79	5	68.00	1	35	1	47.50	----
Trout Run Valley	39.32	62.45	46.39	49.39	6	80	13	63.00	31	24	31	30.00	2.7
Winchester	48.16	63.71	52.39	54.75	6	80	6	68.67	31	32	31	38.00	3.0
Wirt Court-House	46.45	66.29	53.19	55.31	7	85	6	68.33	29	28	30	34.67	4.6
NORTH CAROLINA—													
Chapel Hill	51.43	68.28	56.64	58.78	6	86	6	73.33	15	37	15	40.00	7.7
Gaston	53.90	66.45	56.65	59.00	5	*j* 80	5	71.00	15	*k* 36	15	40.67	----
Goldsborough	55.84	68.79	57.12	60.58	5	83	4	72.40	31	37	15	45.50	3.7
Murfreesborough	50.39	64.96	55.93	57.09	5	*l* 79	6	69.00	29	36	31	44.67	2.7
SOUTH CAROLINA—													
Aiken (*m*)	50.26	64.60	53.14	56.00	28	74	28	70.67	18	34	11	46.00	----
All Saints	57.84	69.19	63.19	63.41	27	78	10	73.33	31	43	15	49.00	3.2
Camden	50.58	70.84	55.71	59.04	7	83	11	69.33	31	36	15	43.67	4.5
Charleston, [Johnson]	59.48	72.03	64.68	65.40	14	83	14	76.00	1	47	15	50.33	----
Charleston, [Dawson]	59.48	72.32	64.67	65.49	----	83	----	------	----	47	----	------	----
Columbia	52.06	68.45	61.94	60.82	6	*n* 79	10	70.33	19	40	15	*k* 43.33	4.0
Edisto Island	61.46	70.11	65.07	65.55	9	79	14	75.33	15	49	15	51.00	4.1
St. John's (*o*)	54.46	68.48	59.94	60.96	14	77	14	71.00	2	42	15	48.00	----
GEORGIA—													
Savannah	57.8	72.9	63.1	64.60	14	83	13	75.80	18	45	16	49.87	3.6
Sparta	52.10	72.58	58.94	61.21	5	*p* 83	5	70.00	1	40	15	45.00	3.2
Thomaston	55.19	73.61	65.58	64.79	5	84	5	*n* 74.00	31	40	15	47.67	3.5
Whitemarsh Island	59.61	70.65	63.23	64.50	6	82	9	*q* 73.00	16	47	16	49.33	3.4
Zebulon	65.70	72.86	70.82	69.79	7	83	7	80.33	16	*r* 48	16	51.33	4.1
FLORIDA—													
Atsena	65.55	75.94	68.35	69.95	20	83	20	75.67	16	*s* 52	16	55.00	3.3
Gainesville (*t*)	60.77	77.82	65.07	67.89	25	85	5	73.33	17	42	17	51.67	3.6
Jacksonville	64.41	74.29	65.51	68.07	7	*q* 81	14	75.67	16	51	16	52.33	3.2
St. Augustine	69.94	75.68	70.58	72.07	28	84	4	*u* 77.67	17	53	16	57.33	4.1
Salt Ponds	75.06	79.29	------	77.18	20	*v* 84	21	82.00	9	*s* 72	1	*s* 73.50	4.6
Warrington (*w*)	67.26	76.48	68.32	70.69	----	84	12	79.67	17	46	31	60.33	4.0
ALABAMA—													
Auburn	57.39	74.45	64.48	65.44	12	84	11	73.67	17	41	15	48.00	3.3
Carlowville	58.84	74.84	65.10	66.26	7	84	11	76.00	17	42	15	47.00	3.8
Greene Springs	56.00	76.93	61.57	64.83	12	*x* 89	11	77.33	1	*y* 38	31	45.67	2.9
Greensborough	60.24	72.76	65.90	66.30	12	81.5	11	76.50	16	41	16	48.17	3.4
MISSISSIPPI—													
Columbus	53.83	72.78	60.52	62.38	12	84	11	73.30	31	32	31	44.77	3.8
Natchez	61.97	72.39	65.45	66.60	7	87	12	77.33	28	43	15	47.67	4.3
Port Gibson	56.77	72.94	63.52	64.41	13	*z* 82	23	75.00	1	*aa* 37	16	47.00	6.2

a Observations interrupted from the 13th to the 19th of the month.
b Observations taken at 8 a. m., noon, and 6 p. m.
c Observations taken at sunrise, 2 p. m., and sunset.
d Observations taken at sunrise, 1½ p. m., and sunset.
e Same temperature on the 19th.
f Same temperature on the 12th.
g Observations taken at 8 a. m., 12 m., 2 p. m., 6 p. m., and 8 p. m. Mean at 12 m., 65.63; mean at 6 p. m., 60.69.
h Same temperature on the 13th and 23d.
i For the first 23 days of the month only.
j Same temperature on the 6th, 22d, and 24th.
k Same temperature on the 16th.
l Same temperature on the 6th.
m Month incomplete.
n Same temperature on the 7th.
o Observations taken at sunrise, 2 p. m., and 9 p. m.
p Same temperature on the 6th and 13th.
q Same temperature on the 14th.
r Same temperature on the 31st.
s Same temperature on the 17th.
t Observations taken at 6 a. m., 2 p. m., and 9 p. m.
u Same temperature on the 13th.
v Same temperature on the 21st.
w Observations taken at 7 a. m., noon, and sunset.
x Same temperature on the 13th and 21st.
y Same temperature on the 16th, 17th, and 31st.
z Same temperature on the 23d.
aa Same temperature on the 16th, 18th, and 31st.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
LOUISIANA—	°	°	°	°		°		°		°		°	
Black River	58.39	74.58	66.68	66.55	6	*a* 84	11	77.00	31	36	16	47.33	4.6
TEXAS—													
Austin	57.32	77.55	63.61	66 16	10	88	22	77.33	17	34	15	*b* 49.00	5.5
New Braunfels	61.55	78.10	68.19	69.28	5	90	22	81.00	17	38	15	52.33	5.0
Pin Oak (*c*)	58.90	71.10	69.77	66.59	10	81	21	76.00	16	36	15	45.00	2.2
TENNESSEE—													
Glenwood	52.56	59.03	58.39	59.99	8	83	7	72.23	1	34.7	31	43.70	4.6
Knoxville	50.87	65.74	54.37	56.99	13	78	13	66.83	31	33	31	38.67	3.6
KENTUCKY—													
Ballardsville	51.10	65.74	57.10	58.05	8	82	7	72.00	31	30	31	36.33	3.2
Millersburg	49.90	65.23	52.74	55.96	5	88	5	71.33	1	30	31	36.00	7.4
Paris	46.32	63.63	51.52	53.82	7	*d* 79	23	64.67	31	30	31	31.67	4.1
Springdale	45.26	71.27	59.50	58.68	5	*e* 88.5	8	71.00	31	29	31	38.00	3.9
OHIO—													
Cheviot	48.23	71.45	55.97	58.55	12	94	6	73.67	31	29	30	37.33	3.8
Cincinnati, [Harper]	50.32	69.45	55.65	58.47	8	*f* 84	7	71.67	31	33	31	38.67	4.0
Cleveland	44.32	60.76	49.37	51.48	5	*g* 82	5	68.50	16	25	31	30.67	5.1
College Hill	48.89	67.20	53.10	56.40	5	*h* 82	22	69.67	31	29	31	34.67	3.5
Collingwood	45 23	58.94	51 65	51.94	4	*i* 78	9	70.00	31	27	30	33.00	----
Dayton, [Fisher]	43.79	64.11	50.29	52.73	22	81	6	69.00	29	27	31	35.00	3.6
Germantown, [Groneweg]	44.82	63.50	49.10	52.47	8	79	6	66.65	31	32	31	33.35	5.2
Germantown, [Binkerd]	44.85	65.30	52.96	54.37	11	83	12	68.67	31	28	31	33.33	4.3
Granville	47.32	63.42	48 90	53.21	4	81	5	68.33	31	30	31	33.00	4.8
Hillsborough	46.97	62.42	52.89	54.09	9	*j* 76	6	66.83	15	30	31	35.17	3.5
Hiram	47.71	58.67	49.26	51.88	9	*k* 79	5	68.67	31	28	31	30.33	4.6
Jefferson	42.55	57.42	44.61	48.19	9	*l* 78	22	64.00	16	22	15	32.00	4.6
Madison	42.90	58.26	44.10	48.42	10	79	22	65.33	16	24	31	32.67	4.7
Oberlin	45.5	51.2	47.5	48.07	4	78	5	67.33	16	30	16	39.67	3.7
Perrysburg (*m*)	46.29	61.81	50.97	53.02	9	*k* 85	22	71.33	19	*n* 29	31	33.67	----
Portsmouth	49.45	65.19	56.26	56.97	4	86	4	73.00	29	*n* 35	31	40.00	5.3
Savannah	43.29	61.19	46.19	50.22	4	*o* 83	5	69.33	31	27	31	30.33	4.9
Sidney	46.06	64.44	50.01	53.50	8	88	5	73.67	31	26	31	32.58	7.0
Urbana	43.29	67.71	48.19	53.06	9	89	5	68.33	31	25	31	32.00	3.9
West Bedford	49.97	62.00	51.90	54.62	5	84	5	75.00	31	30	1	36.67	4.3
MICHIGAN—													
Battle Creek	45.35	59.10	48.29	50.91	8	*i* 81	9	68.00	17	26	16	31.67	3.9
Cooper	46.19	56.26	49.00	50.48	4	*p* 80	4	72.00	----	26	31	28.67	3.1
Copper Falls Mines	-------	-------	-------	42.37	----	79	-------	-------	----	24	----	-------	----
Detroit	42.71	59.65	46.55	49.64	9	*k* 82	9	63.67	31	26	31	30.67	7.6
Eagle River	45.74	50.65	45.23	47.21	9	78	9	70.00	31	28	31	30.67	2.9
Grand Rapids, [Currier]	42.58	57.35	46.06	48.66	9	82	4	66.33	16	*q* 22	31	27.00	3.8
Romeo (*m*)	43.55	59.02	47.25	49.94	9	83	22	66.08	16	25.5	31	30.83	6.0
Monroe	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	4.5
INDIANA—													
New Harmony	50.90	69.03	56.23	58.72	7	84	24	70.67	31	27	31	39.00	4.1
Richmond (*r*)	43.19	62.84	49.90	51.98	8	*d* 84	5	67.67	31	28	31	34.00	4.3
ILLINOIS—													
Athens	53.63	71.06	58.66	61.12	3	*g* 89	4	*a* 75.33	31	21	30	36.00	4.6
Augusta	47.71	65.45	54.55	55.90	8	86	8	74.33	17	22	30	34.33	3.7
Brighton	49.45	63.94	57.61	57.00	7	*s* 87	7	78.00	2	23	2	35.00	8.2
Manchester (*m*)	47.35	68.58	53.13	56.35	8	*t* 88	21	76.33	31	20	15	*u* 35.00	4.0
Marengo	47.23	60.06	48.23	51.84	9	86	4	*d* 74.67	30	26	30	28.67	3.9
Ottawa	48.23	61.65	48.65	52.84	8	86	5	71.33	16	26	17	36.00	4.7

a Same temperature on the 7th.
b Same temperature on the 16th.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 9th.
e Same temperature on the 27th.
f Same temperature on the 11th, 12th, and 22d.
g Same temperature on the 8th.
h Same temperature on the 8th, 9th, and 12th.
i Same temperature on the 9th and 10th.
j Same temperature on the 11th.
k Same temperature on the 10th.
l Same temperature on the 10th and 11th.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Same temperature on the 31st.
o Same temperature on the 8th and 11th.
p Same temperature on the 8th and 9th.
q Same temperature on the 17th.
r For the last 19 days of the month only.
s Same temperature on the 22d.
t Same temperature on the 21st.
u Same temperature on the 30th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ILLINOIS—Continued.	°	°	°	°		°		°	°		°		
Pekin (*a*)	----	----	----	54.26	----	83	----	----	----	20	----	----	----
Peoria	49.05	67.89	55.90	57.61	3	90	4	74.75	31	23	30	36.50	5.3
Riley	41.84	56.19	43.97	47.33	22	82	9	68.33	31	14	31	31.00	4.3
Warsaw	51.65	66.74	55.00	57.80	3	*b* 88	8	75.00	31	28	30	36.33	4.2
West Salem	51.03	72.90	56.58	60.17	7	*c* 90	8	73.67	31	26	30	37.33	3.1
MISSOURI—													
Cape Girardeau (*d*)	51.59	68.40	59.84	59.88	7	82	----	?	31	29	----	?	7.0
Palmyra (*e*)	57.80	65.83	57.86	60.50	3	*f* 85	7	76.33	17	21	30	39.00	6.6
St. Louis	52.8	68.8	57.8	59.80	8	85	10	73.50	31	29.5	30	34.67	4.9
WISCONSIN—													
Appleton	44.67	57.45	47.22	49.78	8	84	8	*g* 70.67	31	25	30	28.33	4.1
Beloit	45.16	63.51	50.26	52.98	5	*h* 84	4	72.67	31	18	30	28.00	3.3
Janesville	42.06	59.45	47.81	49.77	8	85	4	71.00	31	24	30	27.67	5.2
Kenosha	44.80	55.00	46.93	48.91	22	79	8	67.17	31	23	30	27.67	5.8
Manitowoc (*i*)	------	------	------	47.0	----	74	----	------	----	22	----	------	----
Milwaukee, [Winkler]	42.69	55.44	44.68	47.60	8	84	8	67.00	31	17	30	26.50	4.1
Milwaukee, [Pomeroy]	43.45	54.52	45.61	47.86	10	84	6	73.33	31	22	31	25.00	----
New London	39.48	61.25	44.29	48.34	8	92	10	*g* 67.33	16	20	30	27.67	4.1
Norway	43.42	61.58	46.35	50.45	4	*b* 82	10	72.33	31	15	30	26.33	4.7
Platteville	46.68	61.67	50.70	53.02	8	86	8	75.67	31	20	30	27.33	4.0
Racine, [Durham]	47.58	51.39	46.90	48.62	22	73.4	9	62.77	31	20	30	30.20	5.6
Superior	41.61	49.55	43.16	44.77	12	64	9	56.67	30	25	30	26.33	6.2
Waukesha	44.40	60.76	48.69	51.28	8	84	4	71.67	31	14	30	28.67	5.2
IOWA—													
Bellevue (*j*)	43.00	61.00	49.00	51.00	----	84	----	------	----	28	----	------	----
Border Plains	51.07	59.82	53.89	54.93	8	84	9	78.33	30	26	30	34.00	8.5
Fairfield (*k*)	51.32	62.58	58.26	57.03	6	87	22	73.00	31	22	30	31.25	----
Fort Madison (*l*)	46.73	63.22	55.61	55.19	7	85	7	74.00	31	22	30	33.33	6.9
Franklin	42.33	57.94	51.97	50.75	7	*m* 82	22	76.00	15	20	30	29.00	3.4
Iowa City	------	------	------	------	----	------	----	------	----	------	----	------	----
Mount Vernon (*n*)	47.00	56.03	50.03	51.02	7	82	7	72.67	31	22	30	29.33	----
Muscatine	45.13	61.23	50.45	52.27	8	*g* 82	4	70.33	31	18	30	31.33	4.7
Pleasant Plain (*o*)	44.61	64.32	51.16	53.74	7	87	7	72.75	31	19	30	32.25	4.4
MINNESOTA—													
Hazlewood (*p*)	46.58	61.00	50.22	52.60	7	82	7	67.67	14	30	1	43.33	4.6
Princeton	40.26	52.89	46.56	46.57	7	78	7	73 67	15	17	30	26.00	5.0
CALIFORNIA—													
Sacramento	51.74	64.90	57.81	58.15	29	77	29	67.00	22	41	22	49.33	2.6
MEXICO—													
City of Mexico	55.06	68.74	55.77	59.86	13	77	13	71.33	25	51	25	*q* 58.00	2.8
Mirador (*r*)	------	------	------	78.71	----	------	----	82.85	----	------	----	69.19	----
Vera Cruz	76.97	85.53	78.60	80.37	9	95	9	85.53	29	70	15	75.90	----
WEST INDIES—													
Port of Spain, Trinidad	75.02	85.12	80.26	80.13	12	90.3	12	84.47	21	74.5	20	76.43	6.0
SOUTH AMERICA—													
Catharina Sophia, Surin'm (*s*)	75.74	87.68	83.55	82.32	13	92	13	86.00	26	72	17	80.00	3.5
Colonia Tovar, Venezuela	57.35	63.78	57.29	59.47	11	68	8	61.67	10	*t* 54	22	57.00	6.4

a Observations taken at sunrise and 1 p. m.
b Same temperature on the 7th, 8th, and 10th.
c Same temperature on the 8th.
d Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 58.75.
e Observations taken at 9 a. m., and 3 and 9 p. m.
f Same temperature on the 7th. Hour not given.
g Same temperature on the 9th.
h Same temperature on the 7th, 8th, 9th, and 22d.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Observations taken at 7 a. m., 2 p. m., and 8 p. m.
k Observations taken at morn, noon, eve, and night.
l Observations taken at 6 a. m., noon, and 7 p. m.
m Same temperature on the 8th, 9th, and 22d.
n Observations taken at 6 a. m., noon, and 9 p. m.
o Observations taken at sunrise, 2 p. m., sunset, and 9 p. m. Mean at sunset, 55.90.
p For the last 18 days of the month only.
q Same temperature on the 30th.
r Observations taken at 7 a. m., 2 p. m, and 8 p. m.
s Observations taken at 6 a. m., 2 p. m., and 6 p. m.
t Same temperature on the 11th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	39. 9	-------	39. 7	29. 80	7	58	2	55. 00	30	28	30	29. 00	----
Montreal	32. 42	37. 73	34. 19	34. 78	8	61	4	54. 50	29	17	29	17. 67	5. 7
St. Martin	27. 36	36. 60	29. 13	31 03	8	62	4	51. 00	29	12	29	13. 33	5. 7
Toronto (*b*)	35. 58	40. 46	36. 54	37. 53	4	56	3	48. 98	29	9	29	26. 57	8. 1
Wolfville	36. 61	41. 59	36. 44	38. 21	5	66	4	54. 63	29	21	30	25. 83	5. 4
MAINE—													
Carmel (*c*)	28. 35	42. 14	30. 10	33. 53	2	62	8	47. 67	21	12	6	24. 00	5. 1
Cornish	30. 53	39. 10	32. 13	33. 92	3	62	3	55. 33	28	14	29	19. 67	3. 9
Gardiner	31. 87	41. 93	35. 15	36. 32	3	63	4	54. 33	20	21	30	21. 67	6. 4
Perry	32. 23	39. 10	33. 60	34. 98	3	56	3	49. 33	29	*d* 18	29	21. 67	5. 1
Portland	32. 70	43. 78	36. 32	37. 60	2	*e* 57	4	54. 00	30	21	30	26. 33	5. 4
Steuben	30. 93	39. 00	33. 63	34. 50	2	60	2	50. 00	29	17	29	21. 67	6. 5
NEW HAMPSHIRE—													
Concord	31. 50	42. 43	36. 73	36. 89	3	65	4	55. 67	16	14	29	24. 33	4. 7
Great Falls	30. 28	42. 10	35. 10	35. 83	3	68	3	54. 00	11	*f* 18	29	22. 67	5. 6
Manchester	29. 96	43. 60	37. 30	36. 95	3	65	4	59. 33	16	15	29	24. 00	5. 9
Stratford	25. 87	35. 63	28. 77	30. 09	3	60	3	52 67	21	8	29	18. 00	7. 4
West Enfield	29. 30	37. 83	31. 47	32. 87	3	65	3	58. 33	21	13	29	18. 00	5. 9
VERMONT—													
Brandon	29. 41	39. 53	33. 23	34. 06	2	*g* 63	4	60. 67	11	*h* 14	29	20. 33	6. 6
Burlington	32. 93	41. 10	35. 07	36. 37	8	65	4	58. 67	21	15	29	21. 67	3. 6
Craftsbury	26. 77	35. 20	29. 73	30. 57	4	60	4	55. 00	11	*i* 12	30	*j* 17. 00	5. 7
Norwich	27. 97	39. 70	30. 77	32. 81	3	65	4	57. 33	21	9	15	19. 00	6. 4
Shelburn	31. 03	38. 26	32. 00	33. 76	8	63	8	57. 67	21	12	29	20. 33	6. 8
West Fairlee (*k*)	26. 33	38. 83	29. 50	31. 55	25	*l* 42	27	35. 00	29	16	29	19. 67	----
MASSACHUSETTS—													
Amherst	31. 86	43. 64	36. 94	37. 48	4	64	4	58. 90	21	18	29	25. 60	5. 1
Bridgewater (*m*)	35. 13	46. 13	41. 20	40. 82	3	65	4	62. 33	11	20	16	28. 33	3. 6
Cambridge (*n*)	33. 37	44. 63	39. 00	39. 00	4	65	4	59. 33	11	21	29	36. 33	5. 2
Canton (*o*)	31. 00	44. 00	33. 91	36. 30	22	56	22	48. 00	30	17	30	24. 67	4. 3
Lawrence (*p*)	30. 53	-------	-------	-------	----	50	----	-------	----	16	----	----------	----
Mendon	34. 17	45. 90	37. 33	39. 13	4	67	4	55. 67	20	*f* 20	29	25. 33	4. 9
Nantucket	43. 00	48. 12	44. 08	45. 07	4	65	4	63. 00	30	30. 5	30	35. 50	4. 0
New Bedford	36. 92	46. 88	40. 73	41. 51	4	63	4	61. 67	11	*q* 22. 5	30	30. 50	5. 3
Newburyport	33. 68	44. 75	36. 66	38. 36	2	67	2	56. 13	30	20	29	24. 80	8. 1
North Attleborough	33. 77	46. 51	37. 27	39. 18	2	65	4	61. 77	21	20	29	27. 63	4. 3
Princeton	31. 17	41. 38	34. 87	35. 81	3	64	4	59. 33	20	16	29	21. 17	5. 1
Richmond	28. 13	40. 50	34. 27	34. 30	4	66	4	57. 00	11	*r* 18	18	22. 33	8. 8
Westfield	31. 58	44. 75	37. 55	37. 96	4	65	4	59. 00	21	18	29	25. 00	4. 7
Weymouth	35. 33	-------	39. 10	37. 22	4	64	4	62. 00	11	*f* 22	30	25. 50	----
Williamstown	31. 72	41. 00	35. 53	36. 08	4	64	4	61. 00	21	17	29	23. 70	5. 5
Worcester	33. 97	46. 76	38. 27	39. 67	2	*s* 66	4	62. 33	30	20	29	23. 33	4. 9
RHODE ISLAND—													
Providence (*t*)	34. 9	45. 7	37. 7	39. 43	4	65	4	63. 00	20	*f* 22	29	27. 33	4. 3
CONNECTICUT—													
Georgetown	32. 55	48. 63	39. 13	40. 10	22	*l* 66	4	62. 67	21	*f* 22	29	27. 33	4. 6
New London	36. 63	48. 10	41. 03	41. 92	4	62	4	61. 00	11	*u* 24	29	29. 67	3. 8
Norwich	34. 40	48. 33	39. 60	40. 78	2	*v* 64	4	63. 00	21	17	29	28. 00	3. 4
Pomfret	33. 07	44. 52	36. 83	38. 14	4	64	4	61. 67	20	20	29	25. 60	4. 8
Saybrook	38. 87	48. 13	44. 20	43. 73	4	61	4	60. 33	20	*f* 25	30	*j* 30. 33	4. 2
Wallingford	33. 47	48. 08	37. 88	39. 81	2	66	4	56. 33	20	*w* 20	20	29. 50	4. 0
NEW YORK—													
Angelica	30. 84	39. 24	32. 24	34. 11	10	55	10	41. 00	7	22	8	28. 00	5. 0
Baldwinsville	35. 77	41. 60	37. 60	38. 32	8	61	4	54. 00	21	23	29	26. 00	5. 0

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 6 a. m., 2 p. m., and 10 p. m.
c Month incomplete.
d Same temperature on the 28th.
e Same temperature on the 3d.
f Same temperature on the 30th.
g Same temperature on the 4th and 8th.
h Same temperature on the 19th.
i Same temperature on the 21st and 28th.
j Same temperature on the 29th.
k For the last 6 days of the month only.
l Same temperature on the 26th.
m Observations taken at 7 a. m., 2 p. m., and 7 p. m.
n Observations taken at 7 a. m., 3 p. m., and 9 p. m.
o For the last 11 days of the month only.
p Observations taken at 6 a. m.
q Same temperature on the 20th and 30th.
r Same temperature on the 16th and 18th.
s Same temperature on the 4th.
t Observations taken at 6 a. m., 1 p. m., and 3 p. m.
u Same temperature on the 20th.
v Same temperature on the 3d and 4th.
w Same temperature on the 21st.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Beverly	35.97	17.27	40.87	41.37	2	65	4	58.33	17	24	29	29.33	4.5
Blackwell's Island	39.20	48.43	42.03	43.22	2	64	2	57.33	15	*a* 30	29	33.00	7.2
Buffalo (*b*)	36.30	42.96	37.65	38.97	2	*c* 59	3	55.00	20	22	----	----	7.3
Cazenovia	33 07	38.04	33.40	34.84	4	62	2	53.67	15	*a* 19	29	21.33	7.8
Clinton	35.33	40.97	35.43	37.24	4	70	4	59.00	20	16	29	22.67	7.5
Fishkill Landing (*d*)	33.37	44.21	36.94	38.17	26	58	24	49.33	20	25	29	28.67	4.2
Flatbush	37.78	48.63	41.84	42.75	4	65	8	54.17	11	27	20	33.27	5.4
Lowville	30.60	38.80	31.90	33.77	----	63	4	53.33	----	13	15	*a* 20.33	6.7
Mexico	38.47	41.91	34.78	38.39	----	68	4	54.57	----	16	29	24.97	7.7
New York city	40.71	49.71	44.17	44 86	4	68	4	62.76	11	29	29	34.33	4.9
North Salem	32.57	46.27	37.28	38.71	----	66	4	62.83	----	17	20	27.33	4.8
Oswego	36.03	41.70	38.07	38.60	2	62	3	55.00	21	*a* 24	29	25.17	7.8
Ovid	36.07	41.50	37.27	38.28	4	65	2	57.33	6	*a* 23	29	25.67	7.0
Penn Yan (*e*)	34.60	44.20	39.23	39.34	4	64	3	57.67	6	21	29	28.33	2.4
Rochester, [Harkness]	37.6	43.5	38.6	39.90	----	69	----	-------	----	26	----	-------	----
Rochester, [Pratt]	37.64	42.54	38.92	39.71	4	70	4	56.70	6	26	29	29.17	8.6
Sag Harbor	39.23	51.17	41.80	44.07	4	*f* 64	4	62.67	11	28	20	33.67	4.2
Spencertown	31.77	41.60	35.30	36.22	4	66	4	62.67	11	15	20	22.33	5.0
Townsendville	31.90	42.03	35.37	37.43	4	65	2	56.67	6	*g* 23	5	26.00	7.3
Troy (*h*)	36.76	45.23	39.08	40.36	4	66.5	4	58.30	21	21	29	28.70	5.9
Utica	34.70	43.37	36.43	38.17	8	68	4	59.33	15	*i* 22	29	24.83	5.2
Wampsville	37.10	45.20	36.50	39.60	4	72	4	60.67	21	20	29	26 00	7.3
Watertown	33.30	40.30	33.67	35.76	2	*c* 64	3	62.00	29	11	29	18.33	7.9
Waterford (*j*)	34.03	43.44	35.88	38.60	----	66	----	-------	----	18	----	-------	----
NEW JERSEY—													
Bloomfield	35.93	49.65	40.95	42.18	4	71	4	58.33	20	*k* 23	20	31.67	3.4
Burlington	39.30	51.48	40.93	43.90	4	70	4	64.67	20	*k* 26	20	34.67	4.5
Lambertville	30.04	51.37	40.82	40.74	4	69.4	4	63.47	20	22.6	20	33.23	5.0
Newark	-------	-------	-------	42.33	4	69.5	4	61.75	21	24.2	29	32.00	----
PENNSYLVANIA—													
Bedford	33.41	49.00	38.04	40.15	4	68	4	58.67	6	18.5	10	29.67	4.8
Berwick	34.40	47.17	39.23	40.27	4	70	4	58.33	21	22	15	*l* 31.00	3.8
Cannonsburg	35 00	45.21	39.57	39.93	1	60	2	58.00	6	18	5	28.00	7.1
Carlisle	33.78	43.73	39.21	38.91	4	66	4	55.83	20	22	10	32 50	4.2
Chromedale	35.58	49.80	39.80	41.73	4	68	4	63.23	6	*l* 24	6	*l* 31.00	4.7
Easton	34.90	49.77	40.20	41.62	4	68	4	59.33	11	23	29	33.00	4.8
Fleming (*m*)	31.73	45 26	40.76	39.25	2	63	----	------	6	*l* 19	----	-------	----
Gettysburg	33.10	47.83	37.70	39.54	2	70	4	58.67	20	19	20	29.00	4.6
Harrisburg	39.50	49.18	44.37	44.35	4	68	4	59.67	20	29	20	36.67	4.5
Lewisburg	32.73	45.42	37.77	38.64	2	*n* 64	4	54.03	20	19	20	29.03	6.3
Meadville	34.27	43.14	37.67	38.36	3	65	3	57.67	20	15	5	29.33	7.2
Morrisville	36.33	50.43	40.33	42.36	4	68	4	62.33	20	*k* 24	21	33.67	3.0
Moss Grove	33.59	42.31	35.79	37.24	7	60	3	56.33	6	18	9	26.67	6.1
Nazareth	33.77	46.36	36.51	38.88	4	65	4	53.33	20	23	20	29.67	4.9
Norristown	39.94	48.77	40.60	43.10	4	71	4	61.67	6	*o* 27	20	32.33	4.4
North Whitehall (*m*)	34.23	47.57	42.43	41.41	4	64	4	57.33	21	23	6	32.67	6.2
Paradise	-------	-------	-------	37.00	----	------	----	-------	----	-------	----	-------	----
Philadelphia	37.37	51.03	41.32	43.24	2	*n* 69	4	63.67	6	25.5	6	33.33	4.8
Pittsburg	37.37	46.83	39.10	41.10	2	*n* 65	3	58.33	10	21	3	28.33	----
Pocopson	35.37	50.77	40.17	42.10	4	70	4	62.67	20	*k* 22	20	31.33	5.3
Shamokin	28.13	51.10	38.47	41.23	2	80	2	62.00	11	13	20	23.00	5.0
Somerset	30.86	41.72	32.73	35.10	2	64	3	55.00	6	*l* 13	10	22.80	5.7
West Haverford	39.37	51.50	-------	45.44	4	70	4	67.00	6	*p* 27	6	36.00	4.4
DELAWARE—													
Newark, [Craven]	39.52	51.28	43.42	44.74	4	71	4	65.00	21	27	10	*l* 35.33	4.1

a Same temperature on the 29th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 3d.
d For the last 16 days of the month only.
e Observations taken at sunrise, 2 p. m., and sunset.
f Same temperature on the 8th.
g Same temperature on the 10th.
h Observations taken at 8 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 21st and 29th.
j Observations taken at 7 a. m., and at 1, 6, and 10 p. m.
k Same temperature on the 21st.
l Same temperature on the 20th
m Observations taken at sunrise, noon, and sunset.
n Same temperature on the 4th.
o Same temperature on the 11th, 20th, and 21st.
p Same temperature on the 7th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis, [Goodman]	.....	.....	.....	43.97	4	68	.....	.....	6	26	.....	.....	.....
Bladensburg	36.28	52.76	41.26	43.43	4	71	4	63.33	6	*a* 21	30	35.33	5.2
Frederick	36.55	47.88	40.27	41.57	4	65	4	57.83	20	26	20	32.17	4.6
Ridge (*b*)	45.81	54.10	45.85	48.59	4	72	4	69.00	10	*c* 32	10	39.00	3.3
Sykesville	34.20	50.87	40.43	41.83	2	*d* 67	4	62.67	11	20	26	30.67	4.0
DISTRICT OF COLUMBIA—													
Washington	38.00	51.36	42.60	43.99	26	68.5	4	61.00	11	27	6	31.67	4.0
VIRGINIA—													
Alexandria	39.12	52.23	43.98	45.13	4	72	4	65.00	6	*a* 27	6	*e* 36.33	4.4
Berryville (*f*)	37.84	50.38	43.96	44.06	4	70	4	60.67	11	26	10	*e* 36.67	4.5
Crichton's Store (*g*)	44.42	52.74	55.60	50.92	3	74	26	69.33	11	32	19	39.33	3.6
Garysville (*h*)	.....	.....	.....	47.00	26	72	26	66.00	11	24	11	37.33	.....
Kanawha (*i*)	36.53	52.90	44.20	44.54	7	69	21	58.00	19	20	19	30.67	.....
Lewisburg	34.70	51.33	39.53	41.85	1	*j* 68	26	57.33	10	*c* 20	10	30.67	4.2
Mossy Creek'(*k*)	33.20	48.50	34.85	38.85	26	66	26	54.67	19	16	19	26.33	4.2
Poplar Grove	35.73	52.67	43.20	43.87	2	*l* 66	3	56.00	10	*m* 22	5	*n* 32 33	5.3
Portsmouth	45.10	63.60	48.23	52.31	3	79	4	69.33	18	28	18	40.33	3.2
Rougement (*o*)	41.20	55.81	44.54	48.41	26	72	26	65.80	6	*p* 30	10	34.00	.....
Ruthven (*q*)	42.79	60.39	29.75	44.31	26	74	3	66.67	19	24	18	34.67	3.1
Smithfield	.....	.....	.....	48.41	4	74	3	69.50	10	*a* 25	10	35.25	.....
Trout Run Valley (*r*)	29.94	54.25	35.62	39.94	2	68	3	56.00	10	14	11	29.00	4.3
Winchester	37.17	51.03	40.17	42.79	2	70	3	60.00	20	25	20	33.67	3.7
Wirt Court-House	33.07	48.80	38.67	40.18	2	66	2	59.33	19	15	18	*c* 26.33	5.3
NORTH CAROLINA—													
Chapel Hill	42.27	58.87	48.50	49.88	2	75	26	66.33	6	29	18	37.67	9.1
Gaston	39.73	56.27	42.17	46.06	3	*s* 72	4	67.33	19	20	19	30.67	.....
Goldsborough	47.45	55.62	50.53	51.20	3	77.5	3	73.17	18	31	6	40.33	4.4
Murfreesborough	42.10	55.76	48.63	48.83	3	*t* 72	3	67.33	11	28	19	35.00	3.0
SOUTH CAROLINA—													
Aiken (*f*)	50.26	64.20	53.14	56.00	28	74	28	70.67	18	34	11	46.00	.....
All Saints	51.47	63.53	55.43	56.81	3	*d* 78	3	75.67	19	32	18	41.67	4.3
Camden	44.67	62.93	49.43	52.34	3	79	3	70.00	19	24	18	35.33	5.0
Charleston, [Johnson]	54.93	65.17	58.17	59.42	3	81	3	76.00	6	41	18	46.67	.....
Charleston, [Dawson]	54.93	65.16	58.16	59.42	.....	81	.....	.....	.....	41	.....	.....	.....
Edisto Island	57.68	65.08	56.08	59.61	27	77	27	69.33	14	*u* 37	18	44.00	5.6
St John's (*v*)	50.74	63.50	55.38	56.54	28	75	28	70.00	15	31	15	41.33	.....
GEORGIA—													
Savannah	53.2	66.9	58.5	59.53	3	80	3	76.10	18	38	18	46.90	5.2
Sparta	48.07	63.50	52.93	54.83	25	*w* 76	28	71.33	19	31	11	43.33	4.6
Thomaston	47.70	61.90	57.37	55.66	3	75	3	71.00	9	31	10	43.00	4.4
Whitemarsh Island	54.47	64.77	58.63	59 29	3	78	3	74.67	16	40	18	47.33	5.1
Zebulon	47.83	58.97	54.80	53.87	3	78	3	73.33	25	*x* 28	26	34.00	2.3
FLORIDA—													
Atsena	60.77	70.50	65.83	65.67	2	*y* 80	20	76.36	6	46	5	54.67	3.6
Belair	55.48	67.44	60.26	61.06	2	*z* 76	23	71.00	16	32	9	52.33	5.6
Gainesville (*f*)	56.83	73.06	61.47	63.79	4	82	4	72.67	15	45	14	53.00	3.7
Jacksonville	59.86	70.72	62.73	64.44	3	84	3	78.67	16	45	5	54.00	3.8
St. Augustine (*aa*)	66.70	73.03	67.33	69.02	4	84	3	77.33	15	53	18	58.00	4.5
Salt Ponds	72.87	77.70	.....	75.29	2	*bb* 84	4	81.50	16	66	16	67.00	3.0
Warrington	61.37	67.50	63.93	64.27	3	79	3	76.33	19	46	19	51.33	4.4

a Same temperature on the 11th.
b Observations taken at 7½ a. m., 1 p. m., and 8 p. m.
c Same temperature on the 19th
d Same temperature on the 4th.
e Same temperature on the 20th.
f Month incomplete.
g Observations taken at 5 a. m., noon, and 5½ p. m.
h Observations taken at sunrise, 2 p. m., and sunset.
i Observations taken at sunrise, 1½ p. m., and sunset.
j Same temperature on the 21 and 25th.
k For the last 20 days of the month only.
l Same temperature on the 7th and 24th.
m Same temperature on the 19th and 20th.
n Same temperature on the 10th.
o Observations taken at 8 a. m., 12 m., 6 p. m., and 8 p. m. Mean at 12 m., 53.95; mean at 6 p. m., 46.52.
p Same temperature on the 18th and 19th.
q Observations interrupted from the 11th to the 15th of the month.
r For the first 17 days of the month only.
s Same temperature on the 4th, 8th, and 26th.
t Same temperature on the 8th and 26th.
u Same temperature on the 18th.
v Observations taken at sunrise, 2 p. m., and 9 p. m.
w Same temperature on the 28th.
x Same temperature on the 26th.
y Same temperature on the 3d.
z Same temperature on the 23d.
aa Observations taken at 8 a. m., 2 p. m., and 10 p. m.
bb Same temperature on the 3d and 4th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°	°		°		
ALABAMA—													
Auburn	50.55	65.61	55.00	57.05	3	79	5	76.00	9	32	9	42.33	5.0
Carlowville	49.67	62.90	56.27	56.28	28	76	28	71.67	9	31	9	39.33	5.3
Greene Springs	47.37	61.97	50.83	53.39	2	*a* 78	28	71.33	9	*b* 30	18	37.67	4.5
Greensborough	49.26	58.38	55.31	54.32	28	74.5	28	71.67	9	31.5	18	39.16	4.9
MISSISSIPPI—													
Columbus	44.27	58.59	50.67	51.18	2	73	3	67.60	18	27	18	36.70	4.5
Natchez	50.96	62.07	56.17	56.40	3	81	25	69.33	8	*c* 36	8	39.60	4.9
Port Gibson	45.50	62.47	54.50	54.16	3	83	3	73.00	9	30	18	38.67	7.1
LOUISIANA—													
Black River	47.40	66.13	56.37	56.63	3	84	3	76.33	9	30	18	40.67	5.3
Trinity (*d*)	61.50?	70.50?	63.00?	65.00?	----	----	----	----	----	----	----	----	----
TEXAS—													
Austin	44.63	65.63	51.60	53.95	2	*e* 82	2	70.00	8	27	8	36.00	4.7
New Braunfels	48.67	66.67	54.07	56.47	7	84	2	72.00	8	30	8	40.00	3.7
Pin Oak (*f*)	47.57	61.00	58.23	55.66	14	76	24	67.67	8	26	8	37.33	2.4
TENNESSEE—													
Glenwood	37.47	52.89	45.00	45.12	2	71	3	64.10	19	22	9	31.10	4.1
Walnut Grove (*g*)	36.22	55.40	38.59	43.40	7	65	7	60.33	11	23	9	33.33	4.4
KENTUCKY—													
Ballardsville	36.60	48.33	42.33	42.42	2	70	3	64.00	9	20	9	26.33	3.9
Danville	40.27	35.20	45.37	46.95	2	71	3	63.00	19	24	9	32.33	2.9
Millersburg	37.83	49.70	41.33	42.95	2	66	3	60.67	19	*c* 20	19	26.67	7.3
Paris	34.40	48.48	39.60	40.83	2	66	2	59.00	19	16	18	26.00	4.0
Springdale	35.05	51.18	45.02	44.08	2	73	2	64.50	19	16	9	28.50	3.8
OHIO—													
Cheviot	34.71	52.00	40.60	42.24	1	71	2	61.67	9	19	8	30.00	4.0
Cincinnati, [Harper]	36.93	52.93	40.47	43.44	2	79	2	67.67	9	22	9	30.33	4.4
Cleveland	36.68	44.52	39.45	40.22	1	63	3	57.33	9	*e* 23	9	27.67	7.4
College Hill	34.77	47.05	39.40	40.41	2	71	3	62.67	9	16	9	23.83	3.8
Collingwood	35.20	43.23	38.73	39.05	1	*h* 62	3	57.33	19	*i* 19	28	27.67	----
Germantown, [Groneweg]	32.90	47.07	36.72	38.90	2	69	2	61.47	19	15	9	25.25	5.4
Germantown, [Binkerd]	34.16	46.44	35.48	38.69	2	68	2	*j*60.67	9	18	9	24.67	5.4
Granville	35.52	46.23	39.24	40.33	1	63	2	*j*58.67	19	16	9	26.00	5.1
Hillsborough	35.47	46.30	39.52	40.43	2	67	3	61.33	9	19	9	25.83	4.2
Hiram	38.17	43.13	40.53	40.61	2	69	2	65.00	9	24	9	25.00	6.7
Jefferson	34.40	43.73	36.53	38.22	3	64	3	59.33	20	10	20	21.33	8.0
Madison	35.70	43.69	36.30	38.53	3	*e* 62	3	58.00	20	17	20	24.33	7.5
Oberlin (*k*)	37.50	45.27	38.82	40.53	1	62	7	54.33	9	*c* 20	9	25.00	5.4
Perrysburg (*l*)	36.43	45.40	38.73	40.19	3	65	3	62.33	19	18	9	*m*29.33	----
Portsmouth (*n*)	38.96	52.86	43.64	45.15	1	77	2	64.33	10	23	9	30.33	4.7
Savannah	30.73	42.77	34.17	35.89	1	68	2	56.67	10	*m* 10	19	21.00	6.0
Sidney	33.60	46.59	36.68	38.96	2	68	2	61.33	9	*m* 16	9	24.00	6.3
Urbana	32.07	47.23	35.63	38.31	2	71	2	61.67	19	11	19	22.00	5.2
West Bedford	38.60	44.93	41.97	41.83	2	64	2	59.33	9	*o* 26	9	30.00	5.6
MICHIGAN—													
Battle Creek	34.43	43.50	37.50	38.48	3	63	3	56.00	9	20	19	26.67	6.4
Cooper	32.10	39.67	31.73	34.50	1	*h* 50	2	44.67	19	16	19	25.33	6.2
Copper Falls Mines (*p*)	28.03	31.18	27.50	28.90	6	43	1	38.00	9	12	8	15.33	8.0
Detroit	33.67	41.83	35.70	37.07	1	62	3	52.33	19	*i* 18	19	26.33	6.3
Eagle River	28.47	32.53	27.90	29.63	12	44	11	*m*40.00	29	16	28	18.00	4.3
Grand Rapids, [Strong] (*q*)	32.18	42.36	34.06	36.20	21	52	21	44.67	19	*i* 18	19	28.67	6.6
Grand Rapids, [Currier]	32.66	39.54	34.31	35.50	3	56	3	52.33	18	17	9	24.67	7.1
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	4.0
Romeo	32.28	40.23	34.60	35.70	1	56	7	51.58	19	19	5	25.50	2.3

a Same temperature on the 28th.
b Same temperature on the 18th.
c Same temperature on the 10th.
d Only seven observations for the month.
e Same temperature on the 7th.
f Observations taken at sunrise, noon, and sunset.
g Month incomplete.
h Same temperature on the 2d.
i Same temperature on the 20th.
j Same temperature on the 3d.
k For the first 17 days of the month only.
l Observations taken at 7 a. m., 1 p. m., and 9 p. m.
m Same temperature on the 19th.
n Observations interrupted from the 15th to the 20th; also on the 22d and 23d.
o Same temperature on the 10th and 19th.
p Observations taken at 6 a. m., noon, and 6 p. m.
q For the last 17 days of the month only.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
INDIANA—	°	°	°	°		°		°		°		°	
New Harmony	35.53	49.60	40.37	41.83	2	71	2	*a* 65.67	9	20	8	*b* 27.33	3.9
Richmond	34.95	46.11	38.88	39.98	2	69	2	61.90	9	18	9	25.60	5.3
ILLINOIS—													
Athens	33.03	46.00	36.33	38.45	1	72	1	63.67	18	13	8	23.67	5.4
Augusta	30.90	40.26	34.33	35.16	1	59	1	*c* 51.00	8	11	8	16.33	5.4
Brighton	32.80	45.93	39.57	39.43	1	69	2	60.33	18	16	8	25.00	4.0
Chicago (*d*)	31.77	39.15	34.94	35.29	23	52	23	45.33	18	16	18	26.00	6.1
Manchester (*e*)	31.57	45.07	32.70	36.45	1	72	1	57.33	8	12	8	15.33	5.2
Marengo	31.63	40.13	33.10	34.95	1	54	1	*c* 47.33	9	12	8	15.33	6.4
Ottawa	31.58	40.75	34.24	35.52	1	55	2	50.50	8	15	8	18.00	5.2
Pekin (*f*)	------	------	------	34.81	----	63	----	------	----	10	----	------	----
Peoria	32.70	44.41	36.61	37.91	1	61	2	56.00	8	12	8	20.37	5.6
Riley	27.80	39.03	29.17	32.00	2	51	2	46.33	8	8	8	14.67	5.8
Upper Alton	32.38	44.33	35.17	37.29	2	65	2	59.00	8	*g* 14	8	20.00	3.1
Warsaw	30.93	41.53	35.00	35.82	13	59	1	52.33	8	10	8	19.33	5.7
West Salem	34.90	51.70	39.90	42.17	2	78	2	69.33	9	*b* 18	8	24.00	4.3
MISSOURI—													
Cape Girardeau (*h*)	51.39	68.40	59.84	59.88	7	82	----	?	31	29	----	?	7.0
Palmyra (*i*)	35.46	41.14	37.41	38.00	1	*j* 65	2	52.67	8	*j* 11	8	19.67	4.9
St. Louis	35.52	47.28	39.25	40.68	1	75	1	63.33	8	19	8	26.17	4.6
WISCONSIN—													
Appleton	29.43	37.00	31.93	32.79	2	55	2	51.00	19	11	27	21.00	7.0
Beloit	31.33	41.43	34.03	35.60	1	*c* 54	2	48.67	9	10	8	18.00	5.2
Janesville	27.63	39.43	31.97	33.01	2	54	2	46.33	9	*k* 10	8	16.67	7.1
Kenosha	31.92	40.69	35.15	35.92	2	55.5	2	48.5	9	10	8	19.00	5.4
Madison	29.59	37.43	32.31	33.11	2	52	6	42.33	8	13	8	18.00	6.1
Manitowoc (*e*)	------	------	------	35.00	----	56	----	------	----	14	----	------	----
Milwaukee, [Winkler]	30.50	39.52	32.33	34.12	7	63	7	53.33	9	9	9	18.00	5.6
Milwaukee, [Pomeroy]	33.33	40.97	35.23	36.51	2	54	2	47.67	18	17	9	*l* 24.33	6.9
New London	27.53	37.50	29.17	31.40	2	66	2	50.33	19	8	18	18.33	6.8
Norway	29.70	39.77	33.83	34.43	1	56	2	46.00	9	7	8	18.00	6.8
Platteville	27.80	38.43	31.07	32.43	1	56	1	*c* 47.33	8	6	8	12.67	6.2
Racine, [Durham]	33.18	35.59	34.80	34.52	1	53	2	46.40	9	12	9	21.50	5.9
Superior	24.00	31.30	28.67	27.99	6	49	6	43.00	8	8	27	15.00	6.6
Waukesha	31.67	40.14	34.10	35.30	2	56	2	49.67	9	13	9	20.33	7.0
IOWA—													
Border Plains	28.27	37.20	38.20	34.56	12	55	1	45.67	8	8	8	17.67	8.7
Fairfield (*m*)	29.97	41.53	38.30	36.17	13	58	1	51.25	8	5	8	18.75	----
Fort Madison (*n*)	29.27	39.70	34.70	34.56	1	58	1	48.33	8	10	8	16.00	4.9
Franklin	25.43	34.23	31.90	30.52	1	50	2	42.67	8	4	8	12.67	5.7
Mount Vernon (*o*)	26.20	36.63	32.43	31.75	2	54	2	48.67	8	2	8	6.67	----
Muscatine	28.13	38.83	32.13	33.03	1	*p* 54	2	48.67	8	4	8	9.67	5.6
Pleasant Plain	27.67	41.10	32.50	33.76	13	58	1	50.00	8	4	8	10.67	4.4
MINNESOTA—													
Hazlewood	------	------	------	------	----	------	----	------	----	------	----	------	4.4
Lake Winnibigoshish	21.07	27.96	23.07	24.03	1	43	1	38.67	8	— 4 *q*	8	6.67	7.7
Princeton	21.13	33.57	26.77	27.16	13	46	2	41.00	8	— 2 *r*	29	10.67	6.3
CALIFORNIA—													
Sacramento	46.03	58.57	52.03	52.21	1	*c* 77	2	68.00	28	36	30	42.67	3.8
MEXICO—													
City of Mexico	49.57	66.10	50.17	55.25	----	70	29	58.33	----	40	21	50.67	----
Mirador (*s*)	------	------	------	74.75	----	------	----	80.89	----	------	----	66.49	----
Vera Cruz	71.80	78.98	74.84	75.21	8	84	----	------	6	64	----	------	----

a Same temperature on the 3d.
b Same temperature on the 19th.
c Same temperature on the 2d.
d For the last 14 days of the month only.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Observations taken at sunrise and 1 p. m.
g Same temperature on the 9th.
h Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 42.36.
i Observations taken at 9 a. m., 3 p. m., and 9 p. m.
j Hour not given.
k Same temperature on the 8th.
l Same temperature on the 18th.
m Observations taken at morning, noon, evening, and night. Mean at night, 31.90.
n Observations taken at 6 a. m., noon, and 7 p. m.
o Observations taken at 6 a. m., noon, and 9 p. m.
p Same temperature on the 2d, 6th, and 13th.
q Same temperature on the 30th.
r Same temperature on the 29th.
s Observations taken at 7 a. m., 2 p. m., and 8 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	○	○	○	○		○		○		○		○	
WEST INDIES —													
Port of Spain, Trinidad	77.46	82.08	79.18	79.57	19	87	19	82.00	5	74.5	22	77.10	5.8
SOUTH AMERICA—													
Catharina Sophia, Surinam(*a*)	74.97	84.77	82.43	80.72	9	90	9	85.00	5	*b* 70	18	77.67	4.5
Colonia Tovar, Venezuela	55.47	62.59	54.83	57.63	3	70	13	60.67	28	*c* 52	21	55.33	5.4
AZORES—													
Horta, Fayal	61.03	65.30	60.67	62.33	3	74	3	66.33	30	*d* 54	6	55.00	6.9

a Observations taken at 6 a. m., 2 p. m., and 6 p. m.
b Same temperature on the 15th and 18th.
c Same temperature on the 30th.
d Same temperature on the 8th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	25. 1	.....	24. 4	24. 75	11	40	11	39. 50	18	— 2	18	2. 00	.....
Montreal	12. 10	18. 22	15. 87	15. 40	12	40	12	37. 60	18	—17	18	—12. 00	6. 5
St. Martin	6. 82	16. 76	8. 10	10. 56	12	38	12	35. 40	18	—24	18	—16. 30	5. 5
Toronto (*b*)	21. 56	25. 35	22. 09	23. 00	11	41. 2	11	37. 80	18	— 8. 8	18	— 2. 08	7. 6
Wolfville	24. 35	28. 55	25. 64	26. 18	24	48	24	45. 10	18	— 6. 5	18	— 3. 17	6. 6
MAINE—													
Carmel (*c*)	9. 97	20. 50	14. 71	15. 06	14	42	24	28. 67	18	—20	18	—12. 33	5. 8
Cornish	15. 13	23. 26	17 23	18. 54	12	39	12	35. 67	18	—20	18	—11. 67	3. 6
Gardiner	17. 81	28. 13	21. 16	22. 37	12	*d* 42	12	37. 33	18	—10	18	— 5. 33	5. 1
Perry	20. 19	25. 58	22. 45	22. 74	12	46	12	41. 67	18	— 9	18	— 4. 00	6. 5
Portland	18. 06	28. 30	22. 52	22. 96	13	*d* 43	12	38. 33	18	—10	18	— 4. 00	5. 2
Steuben	17. 71	25. 13	20. 06	21. 30	11	*e* 40	12	37. 33	18	—13	18	— 7. 67	7. 9
NEW HAMPSHIRE—													
Concord	15. 35	24. 77	20. 68	20. 27	12	43	12	39. 33	18	—12	19	— 7. 33	4. 1
Great Falls	16. 19	26. 65	20. 24	21. 03	12	45	12	39. 00	18	—11	18	— 6. 67	4. 1
Manchester	15. 30	25. 25	21. 80	20. 78	12	46	12	43. 67	18	—12	18	— 7. 33	4. 7
Shelburne (*f*)	12. 19	21. 45	18. 00	17. 21	12	42	12	38. 67	18	—19	18	—11. 67	6. 6
Stratford	9. 48	17. 39	13. 23	13. 37	20	39	12	32. 67	19	—27	18	—17. 00	7. 9
West Enfield	8. 06	18. 39	14. 45	13. 63	12	38	12	35. 33	12	—22	18	—17. 67	6. 3
VERMONT—													
Brandon	12. 68	22. 71	17. 10	17. 50	11	39	12	36 83	18	*g* —12. 5	18	—10. 16	6. 0
Burlington	13. 50	21. 58	17. 65	17. 58	12	43	12	38. 33	19	—18	18	—13. 33	3. 9
Norwich (*h*)	9. 14	20. 18	13. 16	14. 16	12	44	12	38. 67	19	—24	18	—16. 00	.....
Shelburn	12. 55	21. 04	17. 53	17. 04	12	*d* 40	12	37. 67	18	*g* —13	18	—11. 67	7. 6
West Fairlee	13. 74	22. 77	17. 71	18. 07	12	40	12	36. 67	18	—18	18	—11. 00	.....
MASSACHUSETTS—													
Amherst	18. 78	26. 06	23. 02	22. 62	20	47	12	38. 67	19	— 7	18	— 1. 57	5. 6
Boston (*b*)	22. 97	31. 11	26. 90	26. 99	11	51	12	44. 67	18	— 6	18	— 0. 50	3. 8
Bridgewater (*i*)	22. 71	29. 61	28. 27	26. 86	14	52	14	43. 67	18	— 5	18	— 1. 33	4. 2
Cambridge (*j*)	20. 74	28. 21	24. 18	24. 38	14	50	14	42. 67	18	— 8	18	— 4. 33	5. 2
Canton	21. 23	30. 23	25. 00	25. 49	21	70	14	41. 67	18	— 6	18	— 1. 67	4. 5
Lawrence (*k*)	17. 51	.....	.....	.....	.....	37	.....	.....	.....	—10	.....	.....	.....
Mendon	19. 84	28. 81	24. 32	24. 32	11	50	12	39. 67	18	— 7	18	— 3. 00	5. 3
							21						
Nantucket	30. 70	35. 37	31. 73	32. 60	14	48	14	45. 33	18	4	18	7. 23	5. 7
New Bedfoad	24. 65	31. 65	26. 63	27. 64	11	47. 5	11	42. 17	18	— 4	18	— 1. 00	5. 3
Newburyport	18. 96	26. 54	20. 86	22. 12	14	50	14	41. 30	18	—10	18	— 6. 27	7. 6
North Attleborough	21. 89	29. 90	25. 52	25. 77	14	48	14	40. 73	18	— 4	18	0. 00	4. 8
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5. 3
Princeton	17. 35	23. 94	20. 78	20. 69	20	46	12	35. 67	18	—11	18	— 7. 33	4. 8
Richmond	18. 13	26. 03	21. 03	21. 73	14	42	13	35. 33	18	—12	18	— 8. 33	7. 3
Westfield	18. 74	25. 95	23. 10	22. 60	20	46	12	37. 00	19	— 7	18	— 3. 33	5. 9
Weymouth	23. 19	.....	25. 42	24. 30	14	52	14	44. 00	18	— 5	18	— 2. 50	.....
Williamstown	16. 35	22. 14	19. 20	19. 23	14	43. 6	14	36. 20	19	—11	19	— 8. 77	7. 5
Worcester	21. 58	28. 65	26. 55	25. 59	20	47	12	39. 67	18	— 8	18	— 4. 33	4. 2
RHODE ISLAND—													
Providence (*l*)	21. 9	30. 0	24. 5	25. 47	11	50	12	39. 67	18	— 5	18	— 1. 67	4. 8
CONNECTICUT—													
Columbia	21. 29	32. 32	27. 81	27. 14	12	53	13	42. 67	18	— 4	18	2. 00	5. 3
Georgetown	22. 77	33. 19	27. 61	27. 86	14	52	14	44. 67	18	*g* 0	18	3. 33	5. 7
New London	24. 39	32. 84	27. 58	28. 27	11	50	14	45. 00	18	— 2	18	2. 33	4. 7
Norwich	21. 52	31. 58	26. 19	26. 43	11	50	14	43. 00	19	— 5	18	0. 00	4. 3
Pomfret	20. 52	27. 62	24. 03	24. 06	11	49	11	39. 67	18	— 5	18	— 1. 67	5. 5
Saybrook	25. 42	32. 77	28. 16	28. 78	11	50	11	45. 00	18	0	18	3. 33	5. 1
Wallingford	20. 5	30. 6	24. 7	25. 27	20	49	14	41. 33	18	— 3	18	1. 00	4. 7
NEW YORK—													
Angelica	21. 42	26. 58	21. 23	23. 08	13	44	12	36. 33	18	—10	18	— 2. 00	7. 1
Baldwinsville	19. 68	26. 16	22. 29	22. 71	14	42	11	37. 67	18	— 8	18	— 3. 67	8. 1

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 6 a. m., 2 p. m., and 10 p. m.
c Observations interrupted from the 8th to the 12th.
d Same temperature on the 29th.
e Same temperature on the 12th.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 19th.
h For the first 24 days of the month only.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Observations taken at 7 a. m., 3 p. m., and 9 p. m.
k Observations taken at 6 a. m.
l Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Beverly	24.06	30.45	27.23	27.25	11	49	11	41.67	19	— 3	18	1.67	5.8
Blackwell's Island	28.10	32.97	30.90	30.66	14	54	14	47.33	19	4	18	8.00	6.7
Buffalo (*a*)	23.54	27.90	22.24	24.56	11	44	11	40.00	18	— 1	18	3.33	8.0
Cazenovia	16.94	22.84	19.94	19.91	14	42	11	37.33	18	—13	18	—10.67	7.6
Clinton	17.58	24.23	20.03	20.61	11	43	12	35.67	18	—17	18	—12.00	8.8
Fishkill Landing	23.77	31.77	26.45	27.33	14	49	14	42.67	19	— 3	18	3.33	3.5
Flatbush	27.23	34.07	29.27	30.19	14	52	11	45.40	19	4	18	7.90	5.6
Fordham	27.32	34.23	29.52	50.36	12	55	11	49.00	18	5	18	8.33	3.2
Lowville	12.26	20.23	16.97	16.49	....	40	14	36.00	....	—22	18	—18.00	7.1
Mexico	18.22	26.55	19.44	21.40	....	44	12	36.73	....	—24	18	—16.67	7.2
New York city	29.63	35.53	34.94	33.37	14	54	11	47.26	19	5	18	10.26	5.4
North Salem	22.92	30.52	25.08	26.17	....	50	20	43.67	....	— 2	18	1.33	5.6
Oswego	19.29	27.32	24.19	23.60	11	43	20	36.00	18	—11	18	— 2.67	9.0
Ovid	22.77	27.77	23.32	24.62	14	*b* 44	12	40.33	19	— 5	18	2.00	6.4
Penn Yan (*c*)	22.26	29.45	25.19	25.63	14	44	14	38.33	18	— 3	18	1.33	8.5
Rochester, [Harkness]	22.2	27.7	23.4	24.43	....	46	....	.....	....	2	....	.....	....
Rochester, [Pratt]	22.84	26.83	23.87	24.51	11	42	11	38.40	18	3	18	3.83	9.0
Sag Harbor	27.32	35.52	29.00	30.61	3	58	11	47.33	19	2	18	5.33	4.8
Saratoga	17.32	29.23	19.81	22.12	14	*b* 40	20	38.33	18	—20	18	— 7.33	2.6
Spencertown	17.03	22.97	20.97	20.32	11	45	11	38.00	19	—11	18	— 8.67	6.0
Townsendville	19.45	26.52	21.10	22.36	11	45	11	38.00	18	— 6	18	— 3.33	8.1
Troy	21.26	29.25	26.10	25.54	20	47	12	41.00	19	— 8.5	18	— 2.70	7.5
Utica	16.35	26.26	24.79	22.44	13	*b* 42	13	36.67	18	—15	22	11.33	2.5
Wampsville	19.20	27.07	21.87	22.71	20	45	13	37.67	18	—11	18	— 7.67	8.3
Waterford (*d*)	17.06	25.34	20.40	21.36	---	47	....	.....	....	—12	....	.....	....
Watertown	15.03	23.23	14.81	17.69	11	*e* 44	11	40.00	18	—20	19	—15.33	7.3
NEW JERSEY—													
Bloomfield	26.18	35.98	29.42	30.53	11	55	14	47.50	19	4	18	7.50	4.2
Burlington	29.71	36.89	31.90	32.83	14	57	14	49.00	19	7	18	13.33	4.6
Lambertville	25.38	37.40	28.69	30.49	14	54	11	46.93	19	1.6	18	10.53	5.0
Newark	.....	.....	.....	29.81	14	53.5	14	43.75	19	1.2	19	9.87	....
PENNSYLVANIA—													
Bedford	23.08	34.76	27.81	28.55	12	66	12	46.33	23	2	23	8.00	5.5
Berwick	23.52	32.77	26.77	27.69	11	*f* 50	11	46.33	18	2	18	6.67	4.5
Cannonsburg	22.52	31.13	26.48	26.71	28	50	11	40.33	23	2	23	7.67	6.9
Carlisle	24.90	33.40	28.71	29.00	11	50	11	42.00	18	*g* 10.5	23	15.17	4.4
Easton	24.84	34.00	27.00	28.61	14	50	12	*h* 43.00	19	4	18	7.67	5.3
Gettysburg	22.45	34.16	27.10	27.90	11	48	12	41.00	22	4	22	*i* 12.00	3.8
Harrisburg	28.77	36.03	31.76	32.19	11	49	11	44.33	23	12	18	17.67	4.1
Lewisburg	23.20	31.97	26.48	27.22	11	49	11	43.63	18	5	18	8.33	6.3
Lima	26.25	36.15	28.80	30.40	14	52.5	11	47.00	19	9.5	18	16.33	4.7
Meadville	21.29	28.83	21.83	23.98	12	44	12	37.00	18	—12	18	2.33	6.2
Morrisville	25.87	36.29	29.77	30.64	14	54	20	43.33	19	6	18	12.00	3.3
Moss Grove	20.43	26.35	20.32	22.37	10	*j* 42	28	37.33	18	*g*— 4	18	2.67	6.8
Nazareth (*k*)	22.89	31.23	24.92	26.35	14	45	11	39.00	18	6	18	8.00	5.0
Norristown	26.5	33.7	33.1	31.10	11	50	11	46.00	19	8	18	11.90	5.0
North Whitehall (*l*)	24.81	32.77	30.61	29.40	11	50	11	43.33	18	*m* 5	18	9.67	6.5
Paradise	.....	.....	.....	34.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	26.10	35.50	28.73	30.11	14	53.5	11	45.50	19	7	18	11.00	4.9
Pittsburg	23.84	30.06	25.29	26.40	14	58	11	43.00	23	— 4	23	6.00	....
Pocopson	26.16	37.07	28.74	30.66	11	52	11	46.00	19	9	18	13.67	5.2
Shamokin	21.54	31.77	26.77	26.69	11	48	11	42.67	22	0	18	8.67	5.5
Somerset	17.78	26.81	20.35	21.65	11	48	28	42.60	23	— 6	23	1.67	5.8
West Haverford	27.74	37.32	.....	32.53	11	51	14	47.50	19	6	18	13.50	5.1
DELAWARE—													
Newark, [Craven] (*n*)	31.00	39.31	33.06	34.46	3	*f* 51	12	*e* 44.33	18	10	10	24.00	3.8

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 20th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m. Mean at 6 p. m., 22.61.
e Same temperature on the 3d.
f Same temperature on the 14th.
g Same temperature on the 25d.
h Same temperature on the 11th.
i Same temperature on the 18th.
j Same temperature on the 11th and 12th.
k For the first 25 days of the month only.
l Observations taken at sunrise, noon, and sunset.
m Same temperature on the 19th.
n For the first 18 days of the month only.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis, [Goodman]	------	------	------	31.99	3	60.5	----	------	23	10	----	------	----
Bladensburg	24.12	35.62	28.07	29.27	11	56	11	47.67	23	5.5	23	12.17	4.5
Frederick	27.68	35.44	29.99	31.04	3	48	11	42.50	23	9	24	14.53	3.9
Ridge (*a*)	32.38	38.83	32.58	34.60	3	65	3	56.67	23	4	23	10.67	2.9
Sykesville	22.84	36.94	28.13	29.30	11	53	11	44.00	23	0	23	14.33	3.8
DISTRICT OF COLUMBIA—													
Washington	27.10	37.77	30.40	31.76	3	54	11	46.00	23	8	23	14.67	4.1
VIRGINIA—													
Alexandria	28.87	39.31	32.42	33.53	11	55	11	49.33	23	9	23	18.67	3.9
Berryville	27.56	38.27	34.88	33.57	14	60	28	44.33	23	7	23	13.33	4.5
Crichton's Store (*b*)	35.58	41.58	42.69	39.95	3	70	3	62.00	23	10	23	15.67	4.4
Garysville (*c*)	------	------	------	37.00	3	72	3	61.67	23	6	23	12.67	----
Kanawha (*d*)	26.81	36.74	33.10	32.22	2	56	2	52.67	23	5	23	10.33	----
Lewisburg	23.39	36.35	27.26	29.00	1	58	11	47.33	23	— 3	23	4.33	5.3
Montross	28.87	39.23	32.39	33.50	3	60	3	53.67	23	6	23	13.33	5.0
Mossy Creek	21.16	39.29	27.39	29.28	28	60	3	45.00	23	— 1	23	9.33	4.8
Poplar Grove	26.10	40.90	29.57	32.19	11	57	2	51.00	25	6	23	13.33	5.4
Portsmouth	33.71	47.97	36.71	39.46	3	69	3	62.67	23	9	23	14.33	3.7
Rougement (*e*)	28.81	38.27	31.58	34.34	28	66	28	54.80	23	3	23	12.40	----
Ruthven	27.89	42.55	30.96	33.80	28	66 *f*	3	56.33	23	8	23	14.33	2.0
Smithfield	------	------	------	36.62	3	66	2	58.75	22	4	23	14.75	4.4
Winchester	25.87	37.06	29.32	30.75	28	58	28	44.67	23	2	23	10.67	4.3
Wirt Court-House	21.35	33.39	27.15	27.30	14	58 *g*	2	51.33	25	— 1	22	7.33	5.6
NORTH CAROLINA—													
Chapel Hill	32.87	46.68	36.23	38.59	28	68	11	55.67	23	10	23	15.33	4.6
Gaston	26.65	46.74	31.32	34.90	21	78	3	56.67	23	8	23	13.33	----
Goldsborough	35.98	47.17	39.59	40.91	3	70	11	61.23	23	10	23	17.50	4.3
Murfreesborough	32.29	43.16	37.38	37.61	3	67	3	59.00	23	10	23	16.00	3.2
SOUTH CAROLINA—													
Aiken	39.18	50.96	40.24	43.46	27	67	1	55.33	23	12	23	17.67	----
All Saints	41.71	53.03	44.90	46.55	2	75	2	68.33	23	19	23	23.67	4.0
Camden	34.39	50.68	39.03	41.37	27	70	2	60.33	23	12	23	19.33	5.0
Charleston, [Johnson]	44.16	55.23	47.90	49.10	2	70	2	67.33	23	18	23	23.67	----
Charleston, [Dawson]	44.16	55.22	47.93	49.10	----	70	----	------	----	18	----	------	----
Edisto Island (*h*)	47.38	57.75	47.88	51.00	1	75	2	67.33	22	30	8	39.33	4.8
St. John's (*i*)	40.32	51.96	43.83	45.37	2	77	2	68.33	23	17	23	22.50	----
GEORGIA—													
Savannah	43.3	55.9	48.1	49.10	2	77	2	70.63	24	19	23	26.20	4.3
Sparta	37.81	52.32	43.58	44.57	2	75	2	69.33	23	16	23	22.00	4.5
Thomaston	37.67	45.97	43.10	42.25	26	64	28	60.00	23	14	23	20.00	3.7
Whitemarsh Island	44.39	55.93	49.03	49.78	2	72	2	68.33	24	20	24	32.00	4.4
Zebulon	39.05	49.93	46.03	45.00	27	65 *j*	29	62.33	23	18 *k*	23	22.00	4.8
FLORIDA—													
Atsena	50.19	58.90	55.61	54.90	2	75	1	67.33	24	28	23	36.00	3.1
Gainesville	47.16	62.23	53.32	54.24	1	80	2	71.33	24	21	23	33.67	3.3
Jacksonville	48.87	62.03	52.61	54.50	1	76 *g*	2	72.00	24	24	23	32.33	3.8
St. Augustine (*l*)	55.65	63.16	56.90	58.57	2	82	2	79.33	24	27	23	35.33	4.3
Salt Ponds	66.74	73.13	------	69.93	3	82	4	77.50 *f*	24	50	24	51.00	2.7
Warrington	50.19	59.48	54.84	54.84	2	80	2	75.00	23	27	23	36.00	3.6
ALABAMA—													
Auburn	39.65	51.29	44.58	45.17	2	75	2	68.67	23	16	23	21.00	4.0
Carlowville	38.73	52.13	45.53	45.46	2	78	2	67.00	23	10	23	25.00	3.9
Greene Springs	36.93	49.62	42.09	42.88	2	79	2	65.67	24	16	23	23.00	4.7
Greensborough	39.74	47.66	43.65	43.68	2	73	2	64.33	23	19	23	23.83	4.8

a Observations taken at 7½ a. m., 1 p. m., and 8 p. m.
b Observations taken at 9 a. m., noon, and 5 p. m.
c Observations taken at sunrise, 2 p. m., and sunset.
d Observations taken at sunrise, 1½ p. m., and sunset.
e Observations taken at 8 a. m., 12 m., 2 p. m., 6 p. m., and 8 p. m. Mean at 12 m., 39.44; mean at 6 p. m., 33.58.
f Same temperature on the 3d.
g Same temperature on the 2d.
h Observations taken at 8 a. m., 2 p. m., and 9 p. m.
i Observations taken at sunrise, 2 p. m., and 9 p. m.
j Same temperature on the 29th.
k Same temperature on the 24th.
l Observations taken at 8 a. m., 2 p. m., and 10 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
MISSISSIPPI—	°	°	°	°		°		°		°		°	
Columbus	35.60	47.34	40.99	41.31	2	73	2	62.67	23	19	23	23.00	4.3
Port Gibson	39.68	53.35	46.84	46.62	1	73 *a*	1	68.67	21	24 *b*	23	32.33	4.6
Natchez	47.64	-------	50.22	48.93	12	78	12	67.00	23	28	23	29.00	4.7
LOUISIANA—													
Black River	41.13	57.16	47.97	48.75	1	76 *c*	1	72.00	21	22	21	33.33*d*	4.8
St. Francisville (*e*)	44.00	58.67	5).00	50.89	1	76	1	72.00	21	26	21	35.00	----
Trinity	42.10	63.06	47.81	50.99	1	80	1	74.33	21	23	20	35.67	4.5
TEXAS—													
Austin	39.23	58.06	45.55	47.61	1	77	1	71.33	21	21	6	30.33	4.5
New Braunfels	42.50	60.45	47.61	50.19	1	79 *f*	1	73.67	21	22	6	33.00	3.1
Pin Oak (*g*)	40.35	54.61	53.00	49.32	13	76	1	70.67	21	21	6	32.33	2.1
Washington	40.86	54.97	44.31	46.71	13	78	26	69.33	21	18	21	29.67	6.1
TENNESSEE—													
Glenwood	28.93	39.96	33.65	34.18	2	70	2	58.93	23	6	23	13.07	4.7
Walnut Grove (*h*)	26.28?	-------	-------	-------	10	56?	----	-------	23	4?	----	-------	5.3
KENTUCKY—													
Ballardsville	24.55	32.94	29.06	28.85	2	64	2	56.00	23	— 6	22	4.00	6.1
Danville	27.68	39.65	31.45	32.93	2	65	2	58.00	23	— 5	23	5.00	3.8
Millersburg	25.81	33.26	28.58	29.22	2	60	2	52.00	23	2	22	4.67	8.0
Paris	25.32	33.53	28.83	29.23	2	60	2	55.00	23	1	23	6.33*i*	5.0
Springdale	23.97	36.23	32.05	30.75	2	66.5	2	60.50	23	— 5.5	22	6.67	5.3
OHIO—													
Cincinnati, [Harper]	24.94	35.58	29.19	29.90	19	55	2	50.00	22	— 2	22	2.33	4.6
Cincinnati, [Telegraph] (*j*)	26.87	33.45	31.26	20.53	2	58	2	50.33	22	— 3	22	4.67	4.0
Cleveland	22.34	28.13	23.65	24.71	14	46	11	40.67	22	2.5	22	9.67	7.3
College Hill	22.00	31.37	25.52	26.30	2	58	2	49.60	23	— 6	22	— 0.83	4.5
Collingwood	20.61	27.03	23.55	23.73	10	44 *k*	12	37.00	26	5	18	15.00	----
Germantown, [Groneweg]	19.85	29.30	22.32	23.82	2	55	2	46.40	22	— 3	22	0.05	5.8
Germantown, [Binkerd]	20.50	29.86	25.32	25.23	2	54	2	46.00	22	— 4	22	— 0.67	5.8
Granville	23.24	30.70	29.33	27.76	10	47 *l*	2	42.33	22	— 2	22	7.00	5.1
Hillsborough	22.61	30.27	26.19	26.36	2	59	2	48.67	22	— 2	22	2.50	4.7
Hiram (*m*)	25.16	24.00	22.06	23.74	1	46	19	38.33	17	10 *n*	21	12.00	3.5
Jefferson	22.90	27.03	23.10	24.34	12	46	11	38.67	23	0	22	9.33	9.1
Madison	21.39	28.48	23.90	24.59	12	46	11	38.33	27	6	23	16.00	7.6
Perrysburg (*o*)	21.10	29.65	24.16	24.97	11	50	11	43.33	22	6	22	10.67	----
Portsmouth (*p*)	26.00	34.82	29.64	26.82	2	63	2	52.33	22	5	22	9.67	5.4
Savannah	19.23	27.52	20.71	22.49	19	43 *q*	11	38.67	22	— 5	22	10.00*r*	7.3
Sidney	18.29	25.90	19.26	21.15	1	48	2	39.25	22	— 4	22	— 2.33	6.1
Urbana	17.45	29.68	22.16	23.10	1	50	2	39.67 *s*	22	— 4	22	0.00	5.1
West Bedford	20.39	28.33	23.26	23.99	2	50	2	42.00	22	— 4	22	4.67	6.3
MICHIGAN—													
Battle Creek	19.23	27.94	21.32	22.83	10	44	10	38.00	17	— 4	17	11.00	7.4
Cooper	17.55	24.26	20.55	20.79	10	44 *s*	1	38.00	17	6 *t*	22	10.00	7.5
Copper Falls Mines	15.88	18.80	16.97	17.22	10	35	10	33.40	22	— 2	16	3.00	----
Eagle River	16.45	19.32	17.52	17.76	10	34	10	33.33	22	0	17	5.33	3.5
Grand Rapids, [Currier]	19.35	25.00	21.48	21.94	10	42	10	38.67	26	— 3	22	11.00	7.7
Grand Rapids, [Strong]	19.71	29.42	23.51	24.21	10	48	10	42.67	26	— 3	22	12.67	8.2
Monroe	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.0
Romeo	19.81	26.02	20.76	22.20	1	41	11	38.83	18	— 1	18	9.00	7.5
INDIANA—													
New Harmony	25.84	36.48	31.29	31.20	2	66	2	55.33	23	2	23	11.67	5.2
Richmond	22.58	29.54	26.77	26.30	2	49.5	2	43.56	22	— 1	22	0.33	5.8

a Same temperature on the 2d and 19th.
b Same temperature on the 24th.
c Same temperature on the 19th and 27th.
d Same temperature on the 20th.
e Observation taken at sunrise, 1 p.m., and 9 p. m.
f Same temperature on the 26th.
g Observations taken at sunrise, noon, and sunset.
h Only eight observations taken.
i Same temperature on the 22d.
j Observations taken at 6 a. m., 1 p. m. and 9 p. m.
k Same temperature on the 19th.
l Same temperature on the 11th.
m Observations interrupted from the 3d to the 11th, and from the 23d to the 26th of the month.
n Same temperature on the 21st and 22d.
o Observations taken at 7 a. m., 1 p. m., and 9 p. m.
p For the first 22 days of the month only.
q Same temperature on the 12th.
r Same temperature on the 21st.
s Same temperature on the 1st.
t Same temperature on the 18th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
ILLINOIS—													
Athens	18.45	29.61	22.61	23.56	19	50	19	42 67	22	— 4	22	2.33	5.4
Augusta	17.42	26.77	21 09	21.76	1	46	1	42.68	22	— 3	22	2.00	4.7
Brighton	19.81	32.32	28.13	26.75	27	54	27	50 67	22	0 *a*	22	8.67	4.4
Chicago	16.00	21.28	18.47	18.58	1	39.5	1	37.50	22	— 5	22	— 3.50	5.7
Manchester (*h*)	19.32	29.30	22.61	23.74	1	54	1	44.67	22	— 1	22	3.33	5.1
Marengo	13.23	22.23	15.29	16.92	19	44	19	36.67 *c*	15	— 8	22	— 3.67	4.1
Ottawa	15.99	23.54	19.47	19.67	1	44 *d*	1	38.33	23	— 6	22	— 3.00	6.6
Pekin (*e*)	------	------	------	19.18	----	45	----	------	----	—11	----	------	----
Peoria	18.80	28.10	22.22	23.04	1	49	1	42.92	23	— 6	22	2.00	5.5
Riley	9.90	20.84	12.58	14.44	1	36 *f*	10	34.33 *c*	7	—14	22	— 5.67	4.8
Upper Alton	22.23	31.84	25.52	26.53	1	55	1	47.33	22	2	22	8.00	4.7
Warsaw	17.23	27.94	22.52	22.56	19	48	1	40.33	22	— 2	22	4.00	5.6
West Salem	23.74	36.35	29.26	29.78	2	62	2	52.33	23	— 2	22	10.00	5.0
MISSOURI—													
Cape Girardeau (*g*)	28.93	39.22	34.30	34.15	2	61	27	53.50	23	8	22	19.83	6.8
Palmyra (*h*)	23.43	29.30	23.82	25.52	19	51 *i*	1	47.00	22	— 3 *i*	22	7.00	5.3
St. Louis	24.6	34.8	29.5	29.63	1	55	1	47.33	22	4	22	10.33	5.1
WISCONSIN—													
Appleton	9.74	20.35	13.71	14.60	10	36 *j*	10	34.67	23	—12	17	— 3.00	5.4
Beloit	12.06	26.71	15.32	18.03	1	44	1	38.60	7	—11 *k*	21	— 2.00	3.4
Janesville	8.97	19.32	12.48	13.59	19	37	10	33.67	7	—20	7	— 7.00 *k*	6.1
Kenosha	15.26	23.58	18.77	19.20	1	43	1	38.8	15	— 6	22	— 0.3	4.5
Madison, [Sterling] (*l*)	10.78	19.50	13.22	14.50	10	35	10	33.33	22	—10	20	— 1.00	4.9
Manitowoc (*m*)	------	------	------	20.00	----	46	----	------	----	3	----	------	----
Milwaukee, [Winkler]	12.10	21.10	14.29	15.83	1	40	1	36.00	23	—10	22	— 5.33	5.1
Milwaukee, [Pomeroy]	13.52	25.97	18.32	19.27	1	41	1	38.33	22	— 8	22	— 0.33	4.7
New London	3.77	20.81	9.19	11.26	11	38	10	34.67	23	—25	17	— 9.67	5.1
Norway	12.58	20.51	15.58	16.22	1	50	1	36.67	15	— 8	22	— 5.33	6.1
Platteville	7.06	18.64	9.74	11.81	9	36	10	34.00	23	—19	22	—12.00	4.8
Racine, [Durham]	12.59	26.11	17.56	18.75	1	40 *n*	1	36.00	22	— 6	22	— 4.00	5.8
Superior	4.39	16.15	9.69	10.08	9	35	9	31.00	17	—21	17	— 8.00	6.2
Waukesha	10.70	20.22	13.53	14.82	1	39	10	34.67	7	—12 *o*	22	— 6.33	5.7
IOWA—													
Bellevue	8.42	20.22	12.00	13.55	1	40	1	36.67	23	—16	22	— 7.00	5.2
Border Plains	7.03	12.87	12.19	10.70	9	37	27	31.33	4	—10	22	— 3.33	7.1
Camanche (*p*)	17.90?	20.23?	17.83?	18.65?	1	60?	1	43.33?	22	— 4	22	0.00	8.7
Fort Madison (*q*)	16.00	23.54	20.55	20.03	1	46 *r*	1	41.67	15	— 3	22	0.67	7.2
Franklin	6.10	13.97	10.00	10.02	10	35 *r*	10	33.00	5	—18	22	— 8.67	4.1
Mount Vernon (*s*)	7.98	15.60	11.61	11.73	19	40	27	33.33	15	—12.5	22	— 5.67	----
Muscatine	11.57	20.03	14.27	18.62	9	42	9	35.67	6	—13	22	— 4.67	4.8
Pleasant Plain	13.45	24.71	15.97	18.04	9	48	27	34.35 *c*	6	—12	22	— 1.00	4.8
MINNESOTA—													
Hazlewood	------	------	------	------	----	------	----	------	----	------	----	------	5.0
Lake Winnibigoshish	—1.73	6.36	2.71	2.45	9	29 *f*	10	19.67	17	—33	16	—19.00	.5
Princeton	0.47	14.41	6.87	7.25	10	32	9	28.33	7	—21	20	— 6.33	6.3
CALIFORNIA—													
Sacramento	39.39	48.16	44.06	43.87	23	54	23	51.00	22	32	19	39.67 *t*	5.2
MEXICO—													
Mirador (*u*)	------	------	------	68.47	----	------	----	81.64	----	------	----	48.42	----
Vera Cruz	70.15	75.60	69.63	71.79	1	80 *v*	----	------	21 *a*	57	----	------	----

a Same temperature on the 23d.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 1st.
d Same temperature on the 9th, 19th, and 27th.
e Observations taken at sunrise and 1 p. m.
f Same temperature on the 10th.
g Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 31.40.
h Observations taken at 9 a. m., 3 p. m., and 9 p m.
i Hour not given.
j Same temperature on the 11th.
k Same temperature on the 22d.
l For the first 23 days of the month only.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Same temperature on the 10th and 11th.
o Same temperature on the 8th.
p Not reliable.
q Observations taken at 6 a. m., noon, and 8 p. m.
r Same temperature on the 19th.
s Observations taken at 6 a. m., noon, and 9 p. m.
t Same temperature on the 13th.
u Observations taken at 7 a. m., 2 p. m., and 8 p. m.
v Same temperature on the 4th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	○	○	○	○		○		○		○		○	
West Indies—													
Port of Spain, Trinidad	23.50	25.43	24.32	24.42	17	85	17	81.00	24	71	24	77.10	....
South America—													
Catharina Sophia, Sur'm, (*a*).	75.06	83.23	81.10	79.80	1	88 *b*	8	82.33	3	71 *c*	15	72.00	5.1
Azores—													
Horta, Fayal	57.03	59.89	57.52	58.15	3	66	3	63.67	8	51 *d*	8	52.33	7.4

a Observations taken at 6 a. m., 2 p. m., and 6 p. m.
b Same temperature on the 3d.
c Same temperature on the 9th and 14th.
d Same temperature on the 9th, 12th, and 27th.

No. 26.—PSYCHROMETER, JANUARY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.060	.080	.068	17	.186	7	.021	81	77	78	55	52	64
Montreal (*b*)	.050	.071	.059	17	.168	7	.008	73	76	78	30	49	52
St. Martin (*b*)	.050	.074	.055	30	.150	4	.013	86	77	84	47	50	39
St. Martin (*a*)	.059	.087	.064	15	.156	5	.016	87	79	86	79	60	63
Toronto (*c*)	.073	.093	.078	17	.169	8	.021	81	76	79	66	65	50
Wolfville	.094	.091	.100	17	.187	27	.035	79	69	72	54	40	38
VERMONT—													
Burlington	.045	.069	.051	3	.155	5	.000	50	56	53	00	00	00
MASSACHUSETTS—													
Amherst	.141	.209	.173	3	.177	4	.039	92	73	92	50	49	68
Nantucket	.109	.112	.113	13	.235	25	.022	73	61	75	36	25	35
New Bedford	.095	.122	.105	13	.238	9	.035	90	83	91	71	58	64
Newburyport	.070	.088	.078	13	.207	9	.003	85	68	83	22	35	52
North Attleborough (*a*)	.068	.083	.075	13	.218	9	.000	72	59	72	5	0	6
Princeton	.062	.074	.059	3	.149	22	.000	78	71	67	24	44	22
Westfield	.068	.074	.088	13	*d*. 187	2	*e*. 017	78	55	81	39	28	49
CONNECTICUT—													
Pomfret	------	.093	------	19	.136	25	.041	------	72	------	------	66	------
NEW YORK—													
Blackwell's Island	.090	.108	.099	19	.170	9	.036	77	73	76	40	47	52
Clinton	.076	.094	.078	29	.155	20	.019	79	79	77	45	53	49
New York city	.085	.105	.094	13	.201	9	.010	72	70	75	37	39	32
Ovid	.072	.085	.077	3	.157	9	.017	81	78	82	48	42	63
Penn Yan	------	.106	------	17	.150	10	.071	------	72	------	------	42	------
NEW JERSEY—													
Bloomfield (*f*)	.096	.108	.100	13	.210	----	.016	81	70	80	62	33	21
PENNSYLVANIA—													
Chromedale	.090	.104	.102	13	.188	9	.009	85	71	82	28	35	54
Norristown	.081	.094	.093	3	.196	9	.033	85	63	80	63	36	44
Philadelphia	.096	.108	.105	13	.212	9	.028	83	70	78	54	48	49
MARYLAND—													
Annapolis	.085	.098	.092	16	.158	9	.022	78	58	66	49	36	36
Frederick	.082	.106	.095	3	.197	9	.005	76	70	79	17	31	54
DISTRICT OF COLUMBIA—													
Washington	.090	.119	.103	12	.229	9	.032	93	78	83	58	36	56
VIRGINIA—													
Alexandria	.085	.133	.109	3	*g*. 224	1	.016	87	84	87	61	63	63
NORTH CAROLINA—													
Goldsborough	.132	.128	.127	20	.245	22	.036	81	57	69	44	15	36
SOUTH CAROLINA—													
Aiken	.117	.157	.136	19	.487	31	.012	71	61	70	27	4	31
All Saints	.175	.177	.185	1	.338	26	.087	87	66	82	54	36	45
Camden	.125	.163	.145	3	.310	26	.065	87	66	80	42	26	50
Charleston, [Dawson] (*h*)	------	------	------	------	------	------	------	------	------	------	------	------	------
St. John's (*c*)	.144	.185	.173	17	.363	13	.003	79	64	79	20	31	1
GEORGIA—													
Savannah	.185	.188	.187	20	.425	21	.065	78	59	73	51	26	38
FLORIDA—													
Jacksonville	.276	.355	.291	3	.695	24	.123	91	83	89	82	61	49
Warrington (*c*)	.380	.530	.449	30	*i*. 662	16	.251	94	92	93	84	82	76
ALABAMA—													
Auburn	.106	.119	.134	3	*j*. 231	9	.033	62	47	63	24	21	31
MISSISSIPPI—													
Oxford	.118	.182	.153	17	.348	23	.060	99	92	97	71	38	65
Port Gibson	.112	.153	.143	25	.253	19	.000	62	59	60	14	9	24

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 17th.
e Same amount on the 9th.
f For the last 19 days of the month only.
g Same amount on the 13th.
h Mean force of vapor for the month, .191; computed approximately from the mean dew point.
i Same amount on the 30th.
Same amount on the 2d.

No. 26.—PSYCHROMETER, JANUARY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
TEXAS—													
Austin	.143	.183	.168	24	.449	8	.066	88	61	76	53	23	39
New Wied	.170	.233	.197	24	.505	16	.082	84	6	84	71	38	70
TENNESSEE—													
Glenwood	.099	.103	.110	26	.194	21	.036	79	59	74	26	19	41
KENTUCKY—													
Springdale	.086	.138	.123	18	.323	10	.007	86	89	90	37	56	47
OHIO—													
Cincinnati, [Harper]	.131	.217	.236	18	.451	11	.000	63	58	69	00	3	50
Germantown, [Groneweg]	.072	.092	.080	27	.168	9	.012	93	73	85	76	52	56
Hillsborough	.086	.116	.104	27	*a*. 212	9	.020	98	92	99	75	70	90
Hiram	.091	.113	.115	1	.406	16	.003	69	67	68	39	37	2
Perrysburg	.071	.098	.084	16	.208	9	.018	90	75	87	60	17	68
MICHIGAN—													
Romeo, [Andrews] (*b*)	.067	.097	.078	25	.142	31	.032	82	81	85	10	39	66
INDIANA—													
New Harmony	.094	.122	.107	27	.221	9	.026	96	80	90	74	46	53
ILLINOIS—													
Manchester (*b*)	.074	.126	.088	31	.203	9	.015	100	92	100	100	61	100
MISSOURI —													
St. Louis	.079	.089	.089	31	.190	9	.018	84	63	76	63	34	56
IOWA—													
Dubuque	.051	.070	.057	16	.143	9	.015	79	68	77	55	47	32
Muscatine	.055	.094	.057	31	.174	9	.000	90	92	84	49	40	0
CALIFORNIA—													
Sacramento	.250	.298	.284	30	.405	1	*c*. 155	89	77	85	73	58	69
San Francisco (*b*)	.289	.339	.320	23	*d*. 403	26	.190	81	80	88	74	50	70
WEST INDIES—													
Up Park Camp, Jamaica (*b*)	.725	.715	------	----	.993	----	.527	70	61	------	46	42	------

a Same amount on the 18th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 2d.
d Same amount on the 22d.

No. 27.—PSYCHROMETER, FEBRUARY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Montreal (*a*)	.073	.110	.085	11	.255	13	.014	79	78	80	64	45	60
Montreal (*b*)	.064	.101	.079	11	.238	13	.011	79	84	85	60	71	50
St. Martin (*a*)	.065	.111	.076	11	.214	13	.015	86	81	85	79	68	71
St. Martin (*b*)	.057	.096	.074	11	.208	10	*c*.000	77	81	84	0	0	0
Toronto (*d*)	.070	.094	.079	11	.169	13	.018	81	69	76	50	44	55
Wolfville	.096	.095	.089	16	.193	28	.019	75	59	63	59	33	16
VERMONT—													
Burlington	.057	.081	.061	12	.162	14	.006	66	60	55	20	31	16
MASSACHUSETTS—													
Amherst	.081	.107	.097	12	.219	14	.024	91	77	88	63	50	59
Nantucket	.103	.104	.113	12	.214	13	.022	67	54	74	35	23	50
New Bedford	.100	.114	.107	12	.248	14	.035	87	76	84	58	39	54
Newburyport	.077	.084	.088	12	.210	3	.007	77	61	79	33	14	63
North Attleborough	.071	.083	.075	12	.212	3	*e*.000	60	50	61	0	0	34
Princeton	.064	.072	.069	11	.188	3	.014	72	62	70	25	24	44
Westfield	.074	.081	.098	12	.197	3	.006	75	56	77	16	25	46
Worcester (*f*)	.087	.120	.100	23	.196	18	.031	76	70	74	51	35	64
CONNECTICUT—													
Pomfret	.089	.119	.106	23	.262	13	.038	96	83	90	67	53	72
NEW YORK—													
Blackwell's Island	.105	.119	.116	12	.199	5	.037	82	73	78	59	50	45
Clinton	.076	.097	.094	11	.226	13	.017	78	75	78	58	46	55
New York city	.094	.118	.104	13	.294	14	.032	75	66	68	30	40	28
Oswego (*g*)	.088	.120	.100	29	.188	17	.000	89	82	84	0	46	47
Ovid	.065	.077	.072	7	.149	28	.000	70	61	67	47	0	34
Penn Yan (*g*)	------	.127	------	16	.175	14	.071	------	69	------	------	41	------
NEW JERSEY—													
Bloomfield	.085	.120	.114	23	.244	3	.028	78	69	83	56	49	57
PENNSYLVANIA—													
Chromedale	.098	.106	.106	23	.181	14	.017	81	65	80	42	47	40
Lewisburg (*d*)	.073	.083	------	7	.150	14	.018	82	54	------	50	32	------
Norristown	.101	.109	.109	29	.221	21	.018	84	59	76	52	7	45
Philadelphia	.106	.110	.122	23	.202	17	.032	81	59	77	49	34	46
MARYLAND—													
Annapolis (*d*)	.096	.106	.092	24	.230	4	.019	67	53	60	1	21	13
Frederick	.091	.120	.109	20	.254	14	.022	78	63	73	50	31	40
DISTRICT OF COLUMBIA—													
Washington	.107	.147	.130	23	.295	4	.034	84	73	80	53	42	38
VIRGINIA—													
Alexandria	.119	.157	.137	23	.539	7	.011	90	75	84	13	5	50
NORTH CAROLINA—													
Goldsborough	.187	.136	.167	27	.453	11	.009	75	42	60	54	1	10
SOUTH CAROLINA—													
Aiken	.154	.189	.215	28	.336	16	.005	60	45	72	2	4	35
All Saints	.219	.246	.265	27	.476	5	.063	81	59	84	23	21	53
Camden	.155	.223	.201	8	.436	16	.000	77	54	73	0	9	42
Charleston, [Dawson] (*h*)	------	------	------	------	------	------	------	------	------	------	------	------	------
Edisto Island (*d*)	.209	.230	.252	27	.451	17	.030	66	50	73	21	8	31
St. John's (*d*)	.199	.237	.244	16	.621	6	.064	77	56	76	54	25	25
GEORGIA—													
Savannah	.226	.238	.259	27	.526	4	.059	73	49	66	40	15	41
FLORIDA—													
Jacksonville	.322	.462	.371	28	.813	14	.120	87	78	89	36	52	65
Warrington	.466	.603	.524	1	*i*.733	4	.248	98	95	96	87	75	75
ALABAMA—													
Auburn	.157	.170	.176	11	.433	17	.014	59	41	52	19	4	23

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c Same amount on the 8th and 9th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 4th.
f For the last 14 days of the month only.
g Incomplete.
h Mean force of vapor, .237; computed approximately from the mean dew point.
i Same amount on the 7th, 25th, and 28th.

No. 27.—PSYCHROMETER, FEBRUARY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
MISSISSIPPI—	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches*						
Oxford	.185	.216	.178	27	.420	4	.042	91	70	76	57	30	25
Port Gibson	.156	.283	.267	28	.604	4	.012	67	61	67	33	17	10
TEXAS—													
Austin	.213	.233	.247	22	.456	2	.000	91	53	77	67	0	21
New Wied	.237	.388	.315	1	.836	3	.082	84	69	86	53	46	74
TENNESSEE—													
Glenwood	.141	.150	.150	26	.453	3	.016	80	58	73	41	32	31
KENTUCKY—													
Springdale	.113	.160	.148	10	.262	3	.000	91	75	85	58	0	61
OHIO—													
Cincinnati, [Harper]	.125	.145	.131	23	.298	3	.000	73	62	73	10	0	39
Germantown, [Groneweg]	.099	.119	.103	23	.222	3	.009	94	70	88	70	48	62
Hillsborough	.119	.146	.136	26	.267	4	.022	98	87	98	74	63	79
Hiram	.110	.146	.121	26	.235	3	.011	72	76	77	51	16	46
Perrysburg (*a*)	.092	.103	.102	29	.254	3	.015	84	79	83	54	54	27
MICHIGAN—													
Romeo, [Andrews] (*a*)	.075	.098	.078	11	.183	3	.010	86	79	86	45	57	48
INDIANA—													
New Harmony	.128	.150	.139	27	.235	4	.018	96	76	94	81	53	65
ILLINOIS—													
Manchester (*a*)	.109	.176	.121	10	.322	3	.015	100	92	100	89	53	89
MISSOURI—													
Hannibal (*a*)	.097	.135	.094	10	.285	3	.000	62	65	68	0	9	31
St. Louis	.113	.126	.124	22	.221	13	.090	82	63	82	0	25	64
IOWA—													
Dubuque	.071	.111	.089	22	.215	13	.015	73	79	75	0	30	56
Muscatine	.072	.130	.080	10	.231	2	.009	83	88	81	26	60	49
CALIFORNIA—													
Sacramento	.253	.292	.297	17	.396	29	.102	82	57	75	49	20	29
San Francisco	.281	.306	.278	25	.410	21	.180	82	63	79	41	36	50
WEST INDIES—													
Up Park Camp, Jamaica	.799	.839	------	----	1.023	----	.696	79	83	------	69	69	------
SOUTH AMERICA—													
Catharina Sophia, Surinam	.713	.714	.728	27	.909	25	.491	76	58	72	37	36	54

a For changes in hours of observation, &c., see table of the thermometer for this month.

No. 28.—PSYCHROMETER, MARCH, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.081	.154	.121	25	.285	15	.020	74	80	83	48	45	55
Montreal (*b*)	.082	.144	.112	25	.292	10	.023	79	82	86	65	45	73
St. Martin (*a*)	.079	.156	.099	22	.293	12	.030	82	77	82	70	57	69
St. Martin (*b*)	.076	.142	.094	22	.285	12	.030	86	79	85	70	46	47
Toronto (*c*)	.092	.105	.102	24	.182	9	*d*. 025	82	64	78	64	45	63
Wolfville	.089	.100	.095	21	.234	1	.034	70	51	61	52	18	32
VERMONT—													
Burlington	.070	.109	.086	21	.296	14	.000	66	57	65	00	12	37
MASSACHUSETTS—													
Amherst	.107	.133	.109	17	.212	9	.039	88	68	80	65	50	60
Nantucket	.046	.043	.052	2	.225	10	.014	65	48	73	42	13	47
New Bedford	.109	.127	.119	24	.212	10	.032	76	61	73	59	33	50
Newburyport	.096	.110	.112	21	.201	11	.034	82	59	77	40	23	59
North Attleborough	.092	.099	.090	21	.183	9	.020	66	48	59	39	33	26
Princeton	.083	.093	.085	17	.232	10	.022	73	58	69	46	33	34
Westfield	.085	.107	.128	21	*e*. 193	21	.012	75	52	89	45	26	71
Worcester	.091	.113	.101	2	.212	15	*f*.000	73	61	69	00	00	22
CONNECTICUT—													
Pomfret	.108	.135	.108	24	.238	9	.030	89	73	81	63	46	63
NEW YORK—													
Blackwell's Island	.127	.143	.142	22	.222	10	.043	80	70	78	63	42	54
Clinton	.096	.128	.113	4	.217	9	.023	79	78	83	65	49	63
New York city	.106	.129	.111	17	.234	10	.028	70	61	63	44	35	29
Oswego	.117	.154	.128	23	.238	16	.052	91	82	90	44	36	66
Ovid	.094	.114	.091	24	.285	8	.024	77	68	71	48	37	39
Penn Yan	------	.128	------	23	.166	9	.055	------	68	------	------	29	------
NEW JERSEY—													
Bloomfield	.107	.128	.133	4	.216	10	.037	71	57	79	55	28	54
PENNSYLVANIA—													
Chromedale	.110	.122	.116	21	.242	9	.039	74	58	69	45	38	33
Lewisburg (*c*)	.085	.102	.101	24	.181	12	.018	78	49	63	40	28	27
Norristown	.109	.136	.116	24	.289	8	.000	73	59	66	41	35	------
Philadelphia	.122	.139	.135	20	.246	10	.040	74	57	70	54	37	46
MARYLAND—													
Annapolis (*c*)	.114	.115	.139	24	.249	28	.025	60	43	61	9	11	26
Frederick	.113	.133	.130	21	.224	15	.007	72	53	70	37	23	2
DISTRICT OF COLUMBIA—													
Washington	.128	.125	.139	21	.256	10	.034	77	46	65	40	23	36
VIRGINIA—													
Alexandria	.265	.279	.287	4	.340	10	.044	86	63	79	61	22	30
NORTH CAROLINA—													
Goldsborough	.194	.165	.183	2	.517	24	.037	72	45	62	31	9	5
SOUTH CAROLINA—													
Aiken	.183	.205	.201	5	.429	14	*g*. 025	61	47	56	9	6	14
All Saints	.151	.183	.180	3	.583	28	.086	84	65	82	38	34	48
Camden	.208	.239	.214	15	.483	27	.068	72	52	67	38	17	31
Charleston, [Dawson] (*h*)	------	------	------	------	------	------	------	------	------	------	------	------	------
Edisto Island	.285	.323	.298	1	*i*. 521	29	.126	77	64	81	55	44	47
St. John's (*c*)	.248	.297	.276	2	.563	27	.053	81	55	73	48	26	18
GEORGIA—													
Savannah	.283	.287	.301	2	.571	28	.062	76	51	73	40	14	25
FLORIDA—													
Jacksonville	.404	.515	.409	25	.814	29	.220	94	77	91	77	53	74
Warrington (*c*)	.518	.603	.589	31	.900	28	.362	93	92	94	81	78	81
ALABAMA—													
Auburn	.211	.226	.213	31	.502	10	.051	63	45	54	19	15	19

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 10th.
e Same amount on the 22d.
f Same amount on the 28th.
g Same amount on the 27th.
h Mean force of vapor, .300; computed approximately from the mean dew point.
i Same amount on the 2d.

No. 28.—PSYCHROMETER, MARCH, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches*						
MISSISSIPPI—													
Columbus (*a*)	.218	.263	.301	30	.510	28	.091	73	56	78	54	23	61
Oxford	.223	.216	.217	30	.375	21	.068	88	54	70	56	17	41
TEXAS—													
Austin	.301	.299	.359	29	.564	2	.147	90	45	79	52	18	43
New Braunfels	353	.527	.448	24	*b*.863	3	.143	85	69	84	75	29	40
TENNESSEE													
Glenwood	.159	.137	.159	21	.291	7	.058	73	44	56	42	14	24
Knoxville	.165	.163	.160	1	.353	28	.053	74	47	59	44	13	24
KENTUCKY—													
Springdale	.134	.172	.164	23	.354	10	.048	84	62	73	54	31	36
OHIO—													
Cincinnati, [Harper]	.138	.151	.162	22	.309	10	.070	71	51	80	28	25	51
Germantown, [Groneweg]	.106	.141	.112	23	.196	10	.026	78	53	71	37	28	38
Hillsborough	.130	.134	.136	23	.216	10	.048	91	64	81	72	36	50
Perryburg	.120	.138	.126	20	.262	12	.033	80	64	79	43	12	60
MICHIGAN—													
Romeo, [Andrews]	.078	.111	.094	17	.206	9	.020	79	70	78	50	50	50
INDIANA—													
New Harmony	.151	.155	.167	21	.335	10	.078	86	56	83	53	31	50
ILLINOIS—													
Manchester (*c*)	.143	.188	.170	23	.311	10	.055	95	71	98	46	18	70
MISSOURI—													
St. Louis	.120	.129	.140	19	.245	10	.046	71	49	67	40	23	38
IOWA—													
Dubuque	.086	.105	.102	15	.233	3	*d*.000	62	49	68	0	0	42
Muscatine	.140	.159	.101	23	.391	14	.000	68	73	73	13	56	42
Poultney	.091	.118	.093	20	.254	18	.000	87	69	74	62	------	16
WISCONSIN—													
Waukesha (*c*)	.094	.104	.090	24	.212	17	.026	82	51	69	46	29	17
CALIFORNIA—													
Sacramento	.294	.352	.336	9	.644	1	.165	81	62	73	63	35	37
WEST INDIES—													
Up Park Camp, Jamaica	.733	.769	------	----	.990	----	.639	70	65	------	59	51	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*c*)	.751	.757	.778	22	.915	24	.564	82	59	73	62	46	59

a For the last four days of the month only.
b Same amount on the 24th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same temperature on the 7th and 9th.

No. 29.—PSYCHROMETER, APRIL, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches.*						
British America—													
Montreal (*a*)	.166	.229	.194	24	.464	12	.071	60	63	74	34	28	34
Montreal (*b*)	.163	.234	.195	24	.509	19	.062	64	64	73	33	27	24
St. Martin (*b*)	.187	.292	.219	9	.464	1	.080	83	74	82	64	55	60
St. Martin (*a*)	.167	.294	.192	27	.408	1	.060	84	70	78	56	47	22
Toronto (*c*)	.191	.223	.195	26	.346	12	.060	83	68	77	46	42	32
Wolfville	.157	.164	.157	4	.321	13	.048	69	52	66	36	15	20
Vermont—													
Burlington	.176	.248	.205	9	.430	12	.037	67	55	69	45	29	14
Massachusetts—													
Amherst	.524	.613	.530	28	.450	1	.078	83	55	75	58	32	47
Bridgewater (*c*)	.257	.349	.284	9	.568	1	.084	94	52	93	70	39	76
Nantucket	.210	.210	.219	24	.329	13	.072	70	57	78	34	32	53
New Bedford	.229	.256	.235	18	.576	1	.065	83	66	85	45	24	33
Newburyport	.206	.209	.239	12	.515	1	.069	79	56	80	52	21	42
North Attleborough	.204	.209	.209	24	.385	13	.052	72	50	73	29	13	23
Princeton	.178	.197	.180	28	.341	1	.050	72	58	70	27	27	33
Westfield	.191	.220	.265	28	.436	1	.059	71	49	85	42	16	36
Worcester	.204	.240	.218	28	.459	19	.000	75	60	77	35	0	48
Connecticut—													
Pomfret	.230	.291	.239	28	.626	1	.082	86	67	83	59	37	53
New York—													
Blackwell's Island	.221	.253	.235	12	.426	7	.025	69	58	66	41	21	5
New York city	.222	.270	.242	24	.416	13	.062	72	60	72	52	36	23
Oswego	.196	.223	.216	28	.476	1	.071	82	61	82	50	29	36
Ovid	.198	.238	.208	27	.430	1	.059	70	60	71	44	15	23
Penn Yan	------	.255	------	27	.477	13	.098	------	57	------	------	31	------
New Jersey—													
Bloomfield	.226	.296	.259	29	.512	1	.070	78	60	79	41	29	40
Pennsylvania—													
Chromedale	.243	.277	.272	28	.543	10	.017	81	55	79	41	16	45
Easton	.249	.270	.268	28	.517	13	.078	84	53	72	53	21	38
Lewisburg	.212	.226	.240	28	.436	10	.040	74	49	70	33	9	29
Nazareth	.291	.360	.264	28	.572	1	.113	86	67	90	53	33	64
Norristown	.242	.285	.266	12	.668	1	.076	71	56	70	37	25	30
Philadephia	.267	.290	.291	28	.519	1	.100	76	52	69	46	26	38
Maryland—													
Frederick	.243	.268	.274	28	.476	11	.062	69	52	68	39	19	10
District of Columbia—													
Washington	.283	.307	.316	29	.516	10	.086	82	52	74	46	14	30
Virginia—													
Alexandria	.320	.385	.348	12	.618	1	.123	87	66	81	71	46	53
North Carolina—													
Goldsborough	.345	.314	.333	16	.639	1	.112	77	42	60	48	14	22
South Carolina—													
Aiken (*d*)	.293	.253	.337	15	.789	21	.005	59	29	51	3	1	26
All Saints	.405	.415	.423	27	.658	1	.143	82	54	77	59	40	51
Camden	.346	.332	.360	30	.637	21	.101	70	38	63	40	18	27
Charleston, [Dawson] (*e*)	------	------	------	------	------	------	------	------	------	------	------	------	------
Edisto Island	.445	.449	.457	19	.628	21	.140	80	58	75	53	42	28
St. John's (*c*)	.368	.377	.421	14	.635	1	.143	83	47	75	44	21	50
Georgia—													
Savannah	.416	.359	.440	30	.626	21	.099	75	40	70	43	15	43
Florida—													
Jacksonville	.622	.724	.596	16	1 087	1	.000	89	76	86	52	49	33
Warrington	.648	.682	.696	10	.854	5	.473	91	82	89	78	62	75
Alabama—													
Auburn	.324	.238	.281	16	.530	3	.007	57	23	43	19	1	12

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables of the Smithsonian Institution.
b According to tables used by the observer.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d For the last 25 days of the month only.
e Mean force of vapor for the month, .461; computed approximately from the mean dew point.

No. 29.—PSYCHROMETER, APRIL, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches.*						
MISSISSIPPI—													
Columbus	.391	.433	.435	29	.665	4	.157	81	52	72	36	23	38
Oxford	.448	.541	.483	29	.884	3	.153	81	64	81	42	42	43
TEXAS—													
Austin	.441	.390	.437	26	.682	5	.163	76	37	62	42	14	38
New Braunfels	.596	.866	.695	23	1.214	5	.321	89	71	89	84	62	85
TENNESSEE—													
Glenwood	.310	.289	.319	29	.587	20	.113	78	42	63	45	16	33
KENTUCKY—													
Springdale	.275	.335	.366	16	.850	20	.000	82	47	68	0	21	26
OHIO—													
Cincinnati, [Harper]	.302	.334	.376	17	.854	21	.081	69	46	73	46	19	49
Cleveland	.222	.256	.215	15	.478	1	.049	71	50	69	48	18	20
Dayton	.372	.420	.412	30	.604	4	.191	65	64	65	41	36	52
Germantown, [Groneweg]	.254	.247	.243	27	.466	20	.056	78	43	65	48	25	23
Hillsborough	.274	.282	.294	30	.591	20	.103	79	51	68	54	27	36
Perrysburg (*a*)	.263	.308	.267	12	.641	4	.090	68	56	74	32	28	43
MICHIGAN—													
Detroit	.238	.278	.256	27	.551	10	.056	82	62	79	51	25	16
Romeo, [Andrews] (*a*)	.199	.219	.207	27	.586	20	.040	76	53	71	14	8	36
INDIANA—													
New Albany	.265	.339	.309	29	.603	21	.053	69	46	64	27	16	14
New Harmony	.295	.360	.335	26	.638	21	.125	77	52	68	51	22	40
Richmond (*b*)	.231	.222	.256	15	.492	20	.044	59	33	52	33	12	26
ILLINOIS—													
Manchester (*a*)	.315	.427	.321	26	.915	22	.032	86	60	79	63	36	12
Upper Alton (*c*)	.491	.658	.478	29	.733	28	.354	94	81	83	87	63	66
MISSOURI—													
St. Louis	.245	.247	.261	30	.536	18	.060	60	38	54	33	9	27
WISCONSIN—													
Waukesha	.197	.202	.195	26	.452	21	.029	71	49	66	36	7	31
IOWA—													
Dubuque	.221	.229	.244	26	.497	20	.000	63	53	67	23	0	45
Muscatine	.242	.434	.278	25	.927	19	.099	76	77	75	32	35	53
CALIFORNIA—													
Sacramento	.325	.386	.364	27	.543	25	.163	80	66	78	64	28	40
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.798	.823	.808	19	.969	2	.612	86	72	78	77	51	64

a For changes in hours of observation, &c., see table of the thermometer for this month.

b For the last 16 days of the month only.

c For the last 4 days of the month only.

No. 30.—PSYCHROMETER, MAY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a.m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.236	.287	.244	19	.553	13	.062	56	54	60	24	26	33
Montreal (*b*)	.233	.279	.229	19	.543	3	.090	55	53	58	22	22	18
St. Martin (*a*)	.264	.376	.292	24	.638	3	.167 *c*	80	66	75	61	49	61
St. Martin (*b*)	.236	.335	.266	24	.628	8	.106	75	61	71	45	37	50
Toronto (*d*)	.242	.264	.263	23	.504	3	.126 *e*	75	64	75	48	36	41
Wolfville	.228	.245	.233	14	.518	2	.062	74	55	73	35	19	49
VERMONT—													
Burlington	.288	.314	.299	23	.628	4	.073	78	53	75	50	17	48
MASSACHUSETTS—													
Amherst	.298	.317	.309	28	.610	31	.161	81	57	77	54	31	42
Bridgewater (*d*)	.332	.308	.298	17	.589	22	.143	80	60	77	35	21	35
Nantucket	.282	.311	.293	24	.612	30	.162	73	67	82	42	38	45
New Bedford	.281	.313	.290	23	.520	22	.143	79	65	78	40	20	34
Newburyport	.260	.249	.271	16	.486	31	.129	79	59	80	57	20	43
North Attleborough	.269	.249	.267	17	.513	22	.084	72	48	73	39	13	37
Pinceton	.244	.250	.254	24	.493	30	.071	72	56	75	20	15	40
Westfield	.265	.279	.322	24	.605	4	.092	76	53	84	41	20	44
Williamstown	.248	.328	.308	24	.566	25	.163	72	65	80	11	45	52
Worcester	.279	.324	.308	18	.628	12	.026	80	68	80	32	3	19
CONNECTICUT—													
Pomfret	.326	.371	.322	24	.733	5	.177	87	72	89	60	37	57
Wallingford	.275	.299	.282	17	.624	4	.097	77	55	77	35	19	54
NEW YORK—													
Blackwell's Island	.308	.321	.306	16	.563	30	.143	73	62	71	33	27	34
New York city	.308	.299	.292	16	.622	25	.109	61	50	62	33	17	31
Oswego	.279	.330	.295	18	.596 *f*	12	.107	83	72	82	48	42	31
Ovid	.252	.266	.254	18	.487	5	.121	69	54	65	36	28	32
Penn Yan	------	.316	------	19	.556	30	.104	------	56	------	------	32	------
Pompey Hill	.693	.702	.644	----	------	----	------	75	64	70	56	38	44
Spencertown	.276	.330	.290	28	.671	4	.130 *g*	73	62	82	49	36	61
NEW JERSEY—													
Bloomfield	.309	.364	.312	24	.611	6	.117	80	57	73	45	26	32
PENNSYLVANIA—													
Chromedale	.317	.310	.319	28	.560	4	.121	74	52	76	41	18	41
Easton	.303	.323	.314	16	.563	4	.138	79	54	73	40	24	40
Lewisburg	.290	.280	.291	18	.484	4	.076	68	46	64	36	17	39
Nazareth	.296	.411	.306	19	.677	21	.126	74	64	81	44	29	25
Norristown	.310	.324	.308	24	.798	13	.120	76	54	67	51	19	28
Philadelphia	.339	.312	.356	24	.566	21	.149	63	49	63	48	19	44
MARYLAND—													
Frederick	.312	.357	.348	16	.573	12	.095	62	56	70	32	30	17
DISTRICT OF COLUMBIA—													
Washington	.373	.366	.382	24	.637	30	.147	77	52	72	49	22	37
VIRGINIA—													
Alexandria	.426	.440	.418	27	.669	30	.254	84	60	78	58	37	23
NORTH CAROLINA—													
Goldsborough	.517	.558	.495	----	1.026	30	.182	85	64	82	44	23	41
SOUTH CAROLINA—													
Aiken	.484	.523	.531	24	.772	7	.280	79	61	78	52	37	60
All Saints	.555	.550	.598	24	.800	10	.250	83	62	81	56	28	54
Camden	.464	.493	.488	24	.772	11	.226	75	54	72	44	26	43
Charleston, [Dawson] (*h*)	------	------	------	----	------	----	------	------	------	------	------	------	------
Edisto Island (*d*)	.580	.600	.608	26	.800	10	.325	80	65	81	61	40	46
St. John's (*d*)	.529	.542	.572	25	.773	10	.296	90	60	84	73	35	58
GEORGIA—													
Savannah	.581	.549	.578	25	.785	10	.217	78	53	74	51	20	43

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c Same amount on the 4th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 6th.
f Same amount on the 19th.
g Same amount on the 5th.
h Mean force of vapor for the month .651, computed approximately from the mean dew point.

No. 30.—PSYCHROMETER, MAY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
FLORIDA—	*Inches.*	*Inches*	*Inches*		*Inches.*		*Inches*						
Jacksonville	.746	.840	.750	7	1.030	10	.549	91	80	92	84	68	79
Warrington	.805	.846	.838	30	1.114*a*	10	.503	93	89	90	82	56	66
ALABAMA—													
Auburn	.442	.366	.411	5	.653	26	.149	64	37	57	31	11	32
Greensborough (*b*)	.583	.506	.558	27	.717	28	.438	74	45	54	64	40	51
MISSISSIPPI—													
Columbus	.522	.551	.543	6	.802	11	.267	82	54	78	61	29	54
Oxford	.599	.656	.563	22	1.203	8	.335	76	71	85	52	51	72
TEXAS—													
Austin	.480	.462	.504	22	.827	1	.268	79	45	63	58	26	41
New Braunfels	.702	.957	.772	28	1.314*c*	8	.362	90	74	90	81	65	83
TENNESSEE—													
Glenwood	.427	.444	.467	25	.704	30	.230	89	58	82	62	30	49
KENTUCKY—													
Springdale	.345	.485	.478	21	.918	9	.054	90	56	76	56	31	10
OHIO—													
Cincinnati, [Harper]	.383	.425	.419	23	.800	11	.023	68	48	69	44	20	45
Cleveland	.294	.380	.321	15	.877	21	.137	72	64	78	36	21	48
Dayton, [Fisher]	.446	.443	.473	24	.651	4	.219	74	63	71	49	42	31
Gallipolis	.375	.446	.419	24	.762	5	.156	72	55	69	48	24	49
Germantown, [Groneweg]	.334	.359	.360	27	.630	4	.111	81	49	76	47	22	34
Hillsborough	.382	.416	.386	24	.616	5	.190	84	63	76	58	30	43
Perrysburg (*b*)	.324	.396	.352	23	1.189	4	.139	73	63	79	37	33	51
MICHIGAN—													
Detroit (*d*)	.285	.334	.248	2	.491	4	.139	81	76	69	58	45	56
Romeo, [Andrews] (*b*)	.251	.290	.248	15	.531	3	.095	68	55	67	24	19	37
INDIANA—													
New Albany	.414	.458	.408	27	.619	30	.190	79	58	79	50	30	55
New Harmony	.433	.462	.462	24	.707	31	.230	81	54	78	51	38	56
Richmond	.304	.313	.320	22	.793	4	.092	67	44	66	34	17	27
ILLINOIS—													
Manchester (*b*)	.425	.527	.455	20	.887*e*	18	.110	86	67	87	61	43	26
Upper Alton	.456	.612	.459	21	.877	30	.285	87	79	87	65	50	81
MISSOURI—													
St. Louis	.379	.369	.418	24	.704	8	.163	70	45	69	50	24	51
WISCONSIN—													
Waukesha	.258	.252	.245	20	.608	12	.084	65	46	60	35	16	24
IOWA—													
Dubuque	.297	.318	.319	24	.638	4	.120	64	48	61	18	24	21
Muscatine	.322	.492	.388	19	1.605	13	.000	75	64	77	0	18	51
CALIFORNIA—													
Sacramento	.386	.455	.408	27	.615	25	.216	77	62	77	65	35	29
SOUTH AMERICA—													
Catharina Sophia, Sur'm (*b*)	.811	.840	.839	5	.969	28	.597	87	74	81	78	59	72

a Same amount on the 28th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 29th.
d For the first five days of the month only.
e Same amount on the 23d.

No. 31.—PSYCHROMETER, JUNE, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.446	.513	.464	18	.824	5	.197	73	64	74	47	36	52
Montreal (*b*)	.436	.490	.450	18	.816	3	.176	71	61	72	44	25	46
St. Martin (*a*)	.458	.571	.485	21	.804	1	.251	83	65	81	66	44	67
St. Martin (*b*)	.448	.544	.479	25	.838	23	.209	81	62	79	54	41	65
Toronto (*c*)	.409	.471	.418	22	.767	1	.307	86	71	84	63	45	56
MAINE—													
Gardiner	.553	.633	------	29	1.023	5	.268	87	72	-----	58	42	------
VERMONT—													
Burlington	.465	.530	.486	11	.904	2	.210	81	56	76	62	25	51
MASSACHUSETTS—													
Amherst	.513	.559	.525	30	.841	1	.282	84	61	81	67	39	38
Bridgewater (*c*)	.513	.564	.533	29	1.110	6	.306	83	68	79	57	42	45
Nantucket	.442	.433	.434	21	.712	14	.191	77	62	84	54	26	68
New Bedford	.496	.541	.507	29	.836	1	.288	85	70	89	57	45	68
Newburyport	.440	.456	.467	29	.799	1	.195	80	58	81	40	31	58
North Attleborough	.473	.530	.492	30	.940	1	.220	75	59	83	42	37	64
Princeton	.437	.459	.461	29	.775	1	.169	82	61	82	57	34	55
Westfield	.458	.487	.557	29	*d*. 774	1	.252	81	54	86	58	34	66
Williamstown	.461	.509	.516	29	.821	1	.231	88	66	85	70	38	66
Worcester	.487	.532	.523	21	1.126	1	.245	81	64	79	60	31	48
CONNECTICUT—													
Pomfret	.541	.644	.565	29	.949	6	.311	91	77	93	75	53	74
Wallingford	.503	.594	.527	30	1.325	1	.257	87	63	86	66	47	74
NEW YORK—													
Blackwell's Island	.517	.535	.540	26	.839	1	.282	77	64	75	53	36	50
New York city	.406	.537	.530	26	.788	1	.304	71	58	73	48	35	50
Oswego	.463	.495	.469	21	.868	24	.219	80	65	83	51	31	64
Ovid	.432	.457	.455	30	.731	1	.243	70	54	74	47	37	41
Penn Yan	--------	.458	------	28	.697	15	.205	------	49	------	------	28	------
Pompey Hill	.448	.482	.417	---	------	---	------	77	64	74	59	42	32
Spencertown	.488	.610	.524	30	1.149	1	.243	79	72	88	56	48	74
NEW JERSEY—													
Bloomfield	.521	.673	.568	21	1.386	1	.191	85	66	85	41	39	54
Burlington	.542	.461	.516	23	1.081	2	.204	73	45	67	42	24	47
PENNSYLVANIA—													
Easton	.530	.535	.541	21	.937	27	.236	83	51	76	63	19	48
Lima	.576	.578	.562	26	.842	5	.340	81	61	84	66	32	49
Lewisburg	.507	.502	.524	22	.751	1	.275	73	48	74	54	26	43
Nazareth	.545	.736	.531	26	1.019	16	.296	78	66	81	49	44	45
Norristown	.542	.519	.519	26	.799	16	.278	84	54	72	70	25	46
MARYLAND—													
Frederick	.545	.573	.608	28	.838	1	.242	67	54	76	48	32	57
DISTRICT OF COLUMBIA—													
Washington	.621	.625	.661	26	.950	14	.353	84	57	79	68	34	48
VIRGINIA—													
Alexandria	.675	.716	.697	30	1.119	15	.388	84	64	86	71	44	65
Berryville (*e*)	.697	.891	.707	21	1.427	1	.403	94	88	92	78	69	74
SOUTH CAROLINA—													
Aiken	.664	.631	.643	23	.829	21	.358	78	54	71	56	28	43
All Saints	.818	.866	.822	23	1.074	16	.599	85	78	85	74	59	65
Camden	.710	.689	.729	29	.928	4	.416	80	56	78	62	31	50
Charleston, [Dawson] (*f*)	--------	--------	--------	---	------	---	------	------	------	------	------	------	------
Edisto Island (*c*)	.807	.859	.839	27	1.017*g*	15	.530	86	77	84	74	40	68
St. Johns's (*c*)	.699	.817	.766	28	1.060	2	.491	91	69	86	84	52	74
GEORGIA—													
Savannah	.761	.756	.775	26	.972	15	.474	79	56	79	64	35	68

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 26th.
e Incomplete.
f Mean force of vapor for the month, .870; computed approximately from the mean due point.
g Same amount on the 26th and 28th.

No. 31.—PSYCHROMETER, JUNE, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
FLORIDA—													
Jacksonville	.906	.975	.904	13	1.174	17	.626	90	79	91	79	64	74
Warrington	.983	1.028	.999	26	1.242	16	.704	93	90	90	73	77	83
ALABAMA—													
Auburn	609	.595	.594	29	.814	15	.340	71	48	67	40	31	50
Greensborough	.707	.727	.758	27	.915	15	.457	78	63	70	69	46	51
MISSISSIPPI—													
Columbus	.692	.764	.758	28	.993	15	.390	87	61	84	77	36	63
Oxford	.747	.756	.755	26	1.215	14	.455	77	69	85	49	39	66
TEXAS—													
Austin	.627	.533	.538	18	.732	10	.362	78	39	50	56	24	32
New Braunfels	.960	1.333	1.041	25	1.671	24	.762	89	77	90	59	57	62
TENNESSEE—													
Glenwood	.619	.629	.679	30	.907	14	.283	90	55	85	78	33	56
Walnut Grove (*a*)	.688	.774	.676	22	.860	20	.551	79	51	76	75	46	66
KENTUCKY—													
Springdale	.509	.693	.700	11	1.487	14	.248	93	51	77	86	32	47
OHIO—													
Cincinnati, [Harper]	.582	.590	.586	24	.958	14	.278	69	51	66	44	29	49
Cleveland	.529	.555	.529	24	.850	1	.229	76	61	80	44	37	65
Dayton	.610	.617	.705	23	.909	12	.337	75	61	75	47	37	53
Germantown, [Groneweg]	.561	.547	.578	28	.826	14	.277	82	51	82	62	32	68
Germantown, [Binkead]	.514	.533	.555	25	.900	1	.232	81	46	77	56	25	52
Hillsborough	.594	.636	.576	30	.923	13	.330	88	63	81	71	43	33
Perrysburg (*a*)	.628	.664	.618	21	1.325	14	.349	77	62	81	59	44	66
MICHIGAN—													
Detroit (*b*)	.550	.651	.568	28	1.215	16	.242	75	68	78	54	43	48
Romeo, [Andrews] (*a*)	.506	.566	.499	24	.959	14	.272	82	64	85	63	42	63
INDIANA—													
New Albany	.629	.649	.639	23	.932	14	.340	80	51	80	59	40	61
New Harmony	.619	.709	.704	30	1.033	12	.370	78	58	80	66	41	49
ILLINOIS—													
Manchester (*a*)	.657	.796	.674	24	1.133	14	.334	84	65	90	72	41	79
Peoria	.571	.541	.617	27	.911	3	.146	74	44	72	58	20	56
Upper Alton	.704	.836	.707	22	1.188	13	.391	87	74	83	50	58	61
Warsaw (*c*)	------	------	------	----	------	----	------	34	------	13	0	------	0
MISSOURI—													
St. Louis	.573	.548	.583	29	.836	12	.187	70	43	66	48	17	48
IOWA—													
Dubuque	.483	.480	.485	27	.805	12	.090	57	42	58	35	8	33
Muscatine	.557	.715	.593	27	1.070	12	.215	81	59	83	59	23	47
CALIFORNIA—													
Sacramento	.458	.517	.483	13	.792	23	.198	71	56	72	55	17	38
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.785	.862	.842	3	.976	8	.651	89	74	82	66	62	72
Colonia Tovar, Venezuela (*a*)	.400	.437	.408	14	.542	29	.242	86	75	87	48	49	55

a For changes in hours of observation, &c., see table of the thermometer for this month.

b For eleven days only, 15th to 19th, and 24th to 30th.

c By Dalton's hygrometer.

No. 32.—PSYCHROMETER, JULY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.535	.567	.539	15	.910	1	.304*b*	74	63	73	64	41	48
Montreal (*c*)	.538	.536	.521	27	.897	6	.234	76	53	69	59	32	41
St. Martin (*a*)	.571	.708	.580	26	.986*d*	2	.302	83	65	84	39	46	64
St Martin (*c*)	.547	.724	.591	17	1.107	2	.275	83	66	84	66	46	59
Toronto (*e*)	.472	.510	.485	17	.734	7	.301	79	56	76	59	35	55
MAINE—													
Gardiner	.680	.812	.....	28	1.382	1	.358	93	77	.....	72	46	.....
VERMONT—													
Burlington	.531	.565	.581	17	.859	24	.256	79	51	77	57	17	62
MASSACHUSETTS—													
Amherst	.579	.571	.582	18	.923	1	.250	86	55	81	54	28	46
Bridgewater (*e*)	.706	.893	.754	29	1.193	9	.440	81	69	86	59	42	57
Lawrence (*f*)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Bedford	.585	.636	.586	22	.900	1	.278	83	65	84	53	29	49
Newburyport	.518	.538	.527	13	.778	1	.279	78	54	78	48	27	47
North Attleborough	.556	.551	.560	16	.843	1	.295	74	54	81	47	30	36
Princeton	.477	.516	.516	13	.764	1	.254*b*	75	57	76	44	30	46
Westfield	.539	.532	.618	17	.878	2	.290	81	51	82	53	31	68
Williamstown	.509	.568	.535	13	.835	1	.294	86	60	82	60	37	47
Worcester	.574	.690	.594	26	1.332	4	.362	80	70	74	59	40	47
CONNECTICUT—													
Pomfret	.564	.688	.624	27	.983*g*	1	.371	87	73	91	69	47	73
Wallingford	.558	.611	.581	13	.877	1	.291	83	56	82	48	30	58
NEW YORK—													
Blackwell's Island	558	.579	.601	20	.958	1	.316	69	57	69	45	30	27
Clinton	.513	.560	.496	13	1.019	1	.243	66	53	61	49	34	43
New York city	.555	.540	.587	13	.814	1	.259	64	48	66	41	26	44
Oswego	.533	.579	.561	27	1.023	1	.321	76	65	81	56	36	57
Ovid	.474	.502	.467	30	.901	1	.190	65	50	63	46	25	41
Penn Yan	-----	.554	-----	12	.797	20	.361	-----	53	-----	-----	33	-----
Plainville	.625	.748	.595	17	1.080	20	.416	79	63	82	65	42	61
Pompey Hill	.481	.512	.474	----	-----	----	-----	71	60	71	57	36	46
Spencertown	.613	.837	.630	26	1.283	5	.383	86	82	92	71	68	83
NEW JERSEY—													
Bloomfield	.586	.621	.574	14	.908	4	.331	81	50	74	61	27	27
PENNSYLVANIA—													
Chromedale	.607	.583	.626	15	.871	1	.287	80	50	82	43	28	63
Easton	.542	.493	.547	13	.854	20	.264	76	42	69	45	18	34
Lewisburg	.542	.541	.553	30	.769	20	.290	71	46	68	48	19	37
Nazareth	.585	.835	.587	30	1.229	11	.411	70	64	67	50	41	51
Norristown	.543	.514	.544	15	.813	5	.234	72	45	64	38	16	28
Philadelphia	.585	.547	.607	13	.909	20	.315	67	44	63	42	26	31
MARYLAND—													
Frederick	.574	.540	.614	17	.819	25	.331	60	45	68	39	24	39
DISTRICT OF COLUMBIA—													
Washington	.662	.617	.687	30	.971	1	.256	74	49	72	56	23	51
VIRGINIA—													
Alexandria	.731	.743	.749	15	1.007	20	.368	81	61	81	54	43	52
Berryville (*h*)	.803	.971	.938	18	1.480	2	.691	93	83	92	77	26	91
SOUTH CAROLINA—													
Aiken	.764	.766	.771	16	.918	20	.497	83	62	80	59	46	65
All Saints	.855	.899	.871	1	1.074*d*	21	.612	84	75	82	69	51	62
Camden	.774	.717	.777	14	.983	20	.456	82	53	81	56	31	56
Charleston, [Dawson] (*i*)	-----	-----	-----	----	-----	----	-----	-----	-----	-----	-----	-----	-----
St. John's (*e*)	.761	.844	.820	30	1.151	20	.570	91	71	86	85	47	68

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b Same amount on the 4th.
c According to tables of the Smithsonian Institution.
d Same amount on the 29th.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f Mean force of vapor for the month .639, computed approximately from the mean dew point.
g Same amount on the 13th.
h Month incomplete.
i Mean force of vapor for the month .917, computed approximately from the mean dew point.

No. 32.—PSYCHROMETER, JULY, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches	*Inches.*	*Inches*		*Inches*		*Inches*						
GEORGIA—													
Savannah	.829	.807	.806	3	1.003	21	.563	83	59	80	70	38	58
FLORIDA—													
Jacksonville	.943	1.017	.923	6	1.149	23	.758	90	80	91	68	64	72
Warrington	1.084	1.112	1.092	16	1.324	7	.931	97	91	93	91	76	76
ALABAMA—													
Auburn	.658	.580	.606	12	.813	20	.313	69	41	62	45	20	35
Greensborough (*a*)	.737	.737	.767	4	.942	21	.470	76	60	66	61	40	52
MISSISSIPPI—													
Columbus	.741	.715	.767	5	.964	21	.405	84	49	77	75	29	59
TEXAS—													
Austin	.669	.522	.570	1	.772	31	.461	77	34	49	58	26	37
New Braunfels	1.015	1.440	1.130	11	1.764	25	.658	91	75	92	87	50	88
TENNESSEE—													
Glenwood	.683	.646	.717	1	.962	21	.328	89	55	84	71	28	65
Walnut Grove	.668	.722	.684	8	.969*b*	20	.356	76	54	71	38	34	57
KENTUCKY—													
Springdale	.571	.854	.738	24	1.400	21	.321	92	58	75	81	28	41
OHIO—													
Cincinnati, [Harper]	.636	.676	.675	15	1.201	23	.296	65	50	66	48	22	47
Cleveland	.550	.580	.555	29	.863	21	.396	77	55	73	54	27	59
Dayton	.653	.680	.724	26	.931	18	.396	76	61	72	51	41	40
Germantown, [Groneweg]	.605	.584	.640	3	.833	23	.314	80	47	83	57	22	54
Germantown, [Binkerd]	.601	.590	.607	28	.945	24	.154	81	45	77	56	11	23
Hillsborough	.633	.651	.625	3	.882	24	.344	88	57	79	67	26	49
Perrysburg (*a*)	.665	.719	.654	17	1.480	7	.402*c*	77	61	78	46	39	61
Savannah (*d*)	.467	.541	.508	25	.988	16	.000*e*	61	44	79	0	0	0
MICHIGAN—													
Detroit	.617	.674	.618	16	1.019	6	.356	79	65	83	55	39	52
Romeo, [Andrews] (*a*)	.550	.565	.544	16	.921	20	.326	79	54	81	49	28	38
INDIANA—													
New Harmony	.712	.776	.780	29	1.418	19	.363	77	57	79	43	37	57
Richmond	.485	.417	.473	27	.801	24	.220	59	34	64	40	14	38
ILLINOIS—													
Manchester (*a*)	.700	.883	.765	15	1.243*f*	22	.425	84	68	92	39	48	64
Upper Alton	.681	.946	.715	17	1.327	24	.430	91	72	77	43	46	51
Warsaw (*g*)	------	------	------	---	------	---	------	41	6	16	6	0	2
MISSOURI—													
St Louis	.648	.636	.683	29	.868	23	.357	68	46	65	51	20	31
WISCONSIN—													
Madison	.510	.508	.555	15	.873	31	.123	62	46	67	18	21	46
Waukesha	.469	.519	.476	28	.704	6	.140	64	45	67	47	22	28
IOWA—													
Muscatine	.625	.933	.695	15	1.535	21	.389	89	77	89	42	55	48
CALIFORNIA—													
Sacramento	.495	.490	.547	9	.789	15	.157	69	48	68	43	16	38
SOUTH AMERICA—													
Catharina Sophia, Sur'm (*a*)	.801	.871	.837	21	.936	5	.666	90	74	79	77	62	67
Colonia Tovar, Venezuela	.409	.465	.403	6	.523*c*	2	.268	90	81	89	58	62	56

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 9th.
c Same amount on the 20th.
d For the last 16 days of the month only.
e Same amount on the 17th.
f Same amount on the 16th.
g By Dalton's hygrometer.

No. 33.—PSYCHROMETER, AUGUST, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches.*						
Montreal (*a*)	.482	.535	.509	11	.870	16	.230	86	76	86	63	47	63
Montreal (*b*)	.469	.517	.478	11	.856	25	.274	84	74	83	46	38	38
St. Martin (*a*)	.489	.583	.487	11	.796	12	.230	90	73	90	76	45	78
St. Martin (*b*)	.470	.580	.485	19	.787	25	.252	87	75	90	42	33	68
Toronto (*c*)	.401	.450	.402	5	.614	25	.236	85	62	77	68	38	58
MAINE—													
Gardiner	.600	.673	------	25	1.324	26	.356	97	83	------	84	59	------
VERMONT—													
Burlington	.459	.490	.469	18	.870	17	.195	80	59	80	57	23	62
MASSACHUSETTS—													
Amherst	.552	.567	.541	2	.794	25	.288	94	66	91	85	40	65
Bridgewater (*c*)	.622	.751	.641	12	.963	26	.331	85	78	88	53	58	71
Lawrence (*d*)	------	------	------	------	------	------	------	------	------	------	------	------	------
Nantucket	.577	.587	.588	24	.785	26	.352	81	68	89	66	50	72
New Bedford	.563	.566	.579	1	.816	26	.264	88	67	90	71	45	73
Newburyport	.504	.512	.503	1	.740	26	.231	89	69	87	62	36	72
North Attleborough	.528	.536	.548	1	.756	31	.322	73	63	89	62	43	79
Princeton	.477	.520	.471	10	.750	26	.207	89	74	85	64	49	34
Westfield	.501	.498	.549	1	*e*.738	26	.290	89	61	91	67	42	83
Williamstown (*c*)	.491	.519	.481	4	.673	28	.242	91	76	90	55	44	54
Worcester	.537	.598	.523	3	.819	27	.233	88	75	80	61	41	44
CONNECTICUT—													
Pomfret	.537	.593	.546	1	.859	26	.285	94	80	96	83	56	84
Wallingford	.534	.550	.538	29	.884	25	.308	93	65	90	82	39	74
NEW YORK—													
Blackwell's Island	.502	.497	.518	3	.813	26	.242	70	57	67	43	40	49
New York city	.537	.532	.547	2	.744	25	.256	73	58	73	54	28	48
Oswego	.491	.512	.510	5	.708	25	.308	83	71	86	65	48	62
Penn Yan	------	.455	------	1	*f*.604	25	.285	------	57	------	------	38	------
Plainville	.542	.642	.512	2	.956	25	.388	89	78	91	69	56	70
Spencertown	.475	.603	.479	1	1.051	27	.226	89	79	87	75	52	59
NEW JERSEY—													
Bloomfield	.521	.602	.548	14	1.010	22	.242	84	66	86	48	39	65
PENNSYLVANIA—													
Chromedale	.545	.573	.563	3	.805	26	.309	87	64	88	69	47	58
Easton	.504	.490	.524	3	.765	22	.242	84	53	80	45	28	52
Lewisburg	.475	.439	.450	3	.714	27	.207	82	50	71	38	29	40
Nazareth	.508	.651	.500	3	.996	26	.150	75	70	79	22	45	48
Norristown	.528	.536	.548	27	.785	25	.296	73	63	89	62	43	79
Philadelphia	.526	.544	.530	19	.772	26	.269	75	57	72	62	41	52
MARYLAND—													
Frederick	.516	.550	.557	2	.765	26	.283	74	58	77	54	37	57
DISTRICT OF COLUMBIA—													
Washington	.559	.575	.622	8	.908	26	.329	81	55	79	61	39	56
VIRGINIA—													
Alexandria	.632	.661	.641	11	.922	26	.378	85	67	87	64	50	72
Berryville (*g*)	.794	.814	.866	5	1.010	8	.555	95	85	91	80	62	62
NORTH CAROLINA—													
Goldsborough	.673	.654	.677	1	.895	21	.383	82	56	84	62	36	62
SOUTH CAROLINA—													
Aiken (*h*)	.733	.766	.722	11	.887	6	.537	81	60	77	71	39	64
All Saints	.796	.820	.834	24	1.038	21	.516	85	72	82	70	51	72
Camden	.675	.666	.690	12	.843	21	.396	78	56	77	40	36	54
Charleston, [Dawson] (*i*)	------	------	------	------	------	------	------	------	------	------	------	------	------
Edisto Island (*c*)	.801	.845	.806	19	1.003	21	.524	83	74	77	66	51	62
St. John's (*c*)	.712	.808	.786	14	.983	21	.502	88	71	85	77	49	73

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Mean force of vapor for the month, .576; computed approximately from the mean dew point.
e Same amount on the 2d.
f Same amount on the 7th.
g But few observations during the month.
h For the first 13 days of the month only.
i Mean force of vapor for the month, .869; computed approximately from the mean dew point.

No. 33.—PSYCHROMETER, AUGUST, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
GEORGIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Savannah	.763	.763	.771	29	.923	20	.496	79	52	75	55	34	59
FLORIDA—													
Jacksonville	.921	.978	.923	19	1.310	14	.745	88	78	89	70	60	75
Warrington	1.067	1.092	1.091	25	1.296	10	.870	96	91	93	91	80	83
ALABAMA—													
Auburn	.637	.560	.598	24	.897	25	.283	71	45	63	45	20	41
Greensborough (*a*)	.716	.706	.751	16	.873	20	.243	74	59	69	45	22	55
MISSISSIPPI—													
Columbus	.676	.668	.692	23	.909	6	.335	82	49	72	65	30	36
TEXAS—													
Austin	.637	.496	.568	28	.717	11	.407	69	29	44	59	21	34
New Braunfels	1.001	1.717	1.241	6	1.940*b*	30	.785	91	80	92	87	74	88
TENNESSEE—													
Glenwood	.569	.532	.584	18	.800	9	.287	87	49	78	62	22	56
Walnut Grove (*a*)	.605	.718	.655	10	.887	10	.416	88	71	87	57	50	67
KENTUCKY—													
Springdale	.467	.633	.622	27	.909	31	.264	94	58	75	69	27	43
OHIO—													
Cincinnati, [Harper]	.521	.545	.522	4	.891	31	.256	66	51	67	45	27	44
Cleveland	.453	.479	.468	7	.722	29	.177	80	58	77	61	26	57
Dayton, [Fisher]	.535	.520	.568	2	.877	26	.150	77	59	69	37	20	28
Germantown, [Groneweg]	.481	.479	.496	1	.751	31	.226	86	47	80	78	24	50
Germantown, [Binkerd]	.460	.533	.488	22	.977	16	.257	82	53	76	69	25	43
Hillsborough	.549	.569	.530	7	1.038	31	.308	93	65	82	31	31	59
Perrysburg (*a*)	.498	.591	.528	2	1.074	30	.272	84	66	76	66	41	63
Savannah	.505	.519	.489	2	1.174	29	.234	86	55	94	43	26	56
MICHIGAN—													
Detroit (*c*)	.518	.601	.552	1	1.203	14	.163	80	66	85	26	38	53
Romeo, [Andrews] (*a*)	.441	.416	.424	1	.778	30	.106	79	49	80	27	21	58
INDIANA—													
New Harmony	.588	.625	.636	23	.936	26	.244	84	60	81	66	45	39
Richmond	.433	.444	.346	2	.641	30	.067	74	38	60	51	8	35
ILLINOIS—													
Manchester (*a*)	.559	.700	.564	1	.983	31	.278	92	70	88	80	29	23
Peoria	.502	.467	.542	1	.894	25	.193	82	44	76	65	23	48
Upper Alton	.584	.676	.598	1	1.188	30	.348	90	70	87	78	37	63
Warsaw (*e*)	------	------	------	---	------	---	------	43	9	20	17	0	0
MISSOURI—													
St. Louis	.530	.554	.570	18	.816	31	.283	73	55	71	49	33	37
WISCONSIN—													
Madison	.418	.368	.412	18	.678	29	.166	61	37	62	47	18	44
Waukesha	.376	.402	.385	18	.617	30	.110	67	44	68	45	13	42
IOWA—													
Muscatine	.459	.673	.509	1	1.427	30	.225	92	64	88	84	38	68
CALIFORNIA—													
Sacramento	.443	.520	.458	10	.886	8	.194	73	62	71	49	13	46
MEXICO—													
Vera Cruz (*a*)	.825	.874	.895	20	.958	19	.773	81	72	79	73	63	67
SOUTH AMERICA—													
Catharina Sophia, Surinam	.802	.861	.834	18	.936	8	.584	86	68	75	78	59	50
Colonia Tovar, Venezuela	.398	.467	.407	24	*f*.549	21	.216	83	80	89	46	53	55

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 7th and 11th.
c For the first 18 days of the month only.
d Same amount on the 2d.
e By Dalton's hygrometer.
f Same amount on the 25th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.358	.422	.407	10	.692	14	.195	71	72	83	52	58	62
Montreal (*b*)	.348	.411	.405	10	.695	14	.196	82	69	82	52	54	57
St. Martin (*a*)	.355	.507	.402	6	.834	1	.260	88	71	87	49	54	76
St Martin (*b*)	.339	.457	.375	10	.973	7	.199	88	66	85	48	27	68
Toronto (*c*)	.322	.366	.351	10	.683	22	.193	85	61	81	61	39	55
Wolfville	.392	.411	.394	10	.691	25	.196	87	63	86	48	37	66
MAINE—													
Gardiner	.525	.596	------	4	1.282	28	.335	98	86	------	87	64	------
VERMONT—													
Burlington	.380	.402	.426	11	.826	28	.235	88	57	85	70	37	75
MASSACHUSETTS—													
Amherst	.422	.488	.475	18	1.922	25	.678	94	69	91	76	42	78
Bridgewater (*c*)	.484	.542	.521	20	.853	25	.265	92	73	85	74	45	57
Lawrence (*d*)	------	------	------	----	----	----	------	------	------	------	------	------	------
Nantucket	.481	.468	.496	18	.683	25	.230	79	63	85	49	39	51
New Bedford	.476	.515	.514	11	.706	25	.266	89	70	93	72	48	83
Newburyport	.404	.461	.456	11	.731	25	.229	86	66	89	68	44	72
North Attleborough	.426	.443	.456	11	.793	25	.207	85	58	89	73	36	72
Princeton	.387	.404	.401	11	.701	24	.223	85	65	82	67	42	56
Westfield	.393	.437	.463	11	.776	25	.192	88	57	88	70	30	53
Williamstown	.387	.444	.429	10	.715	24	.250	90	75	89	77	57	66
Worcester	.435	.498	.477	11	.782	28	.176	82	71	82	41	29	62
CONNECTICUT—													
Pom ret	.442	.527	.481	11	.799	25	.265	95	77	95	78	33	80
Wallingford	.423	.496	.480	11	.863	25	.235	92	64	91	73	41	78
NEW YORK—													
Blackwell's Island	.430	.462	.415	11	.704	23	*e*.269	71	60	67	49	43	40
Fordham	.429	.509	.490	5	.886	20	.163	80	60	81	26	37	30
McGrawville	.373	.419	.437	6	.798	20	.174	81	69	77	49	35	46
New York city	.435	.477	.471	11	.752	24	.240	73	57	71	56	36	53
Oswego	.381	.442	.423	10	.927	3	.203	81	68	85	63	41	39
Ovid	.336	.333	.341	7	.637	19	.150	74	46	65	41	20	37
Penn Yan	------	.411	------	7	.648	27	.236	------	53	------	------	27	------
Plainville	.460	.553	.428	10	.915	23	.269	86	68	88	66	56	75
Spencertown	.386	.520	.448	18	.863	25	.191	88	72	85	78	55	66
NEW JERSEY—													
Bloomfield	.415	.545	.479	10	1.023	25	.225	90	61	87	75	36	38
PENNSYLVANIA—													
Chromedale	.414	.502	.470	10	.811	24	.250	88	64	90	55	39	78
Easton	.409	.447	.447	11	.758	23	.124	88	50	79	58	21	58
Lewisburg	.352	.334	.372	10	.752	23	.148	80	39	67	52	22	40
Morrisville	.465	.502	.465	20	.733	24	.297	99	67	89	94	39	76
Nazareth	.392	.565	.377	8	.923	24	.186	82	67	89	63	33	65
Norristown	.420	.456	.471	13	.785	25	.209	83	60	83	57	36	64
Philadelphia	.402	.480	.457	8	.789	23	.176	75	55	76	44	29	53
MARYLAND—													
Frederick	.416	.461	.477	11	.795	25	.222	82	53	77	46	36	42
DISTRICT OF COLUMBIA.													
Washington	.486	.502	.530	10	.850	24	.222	86	54	79	49	27	53
VIRGINIA—													
Alexandria	.551	.589	.573	8	.970	25	.257	92	63	90	72	49	71
Berryville (*f*)	.470	.654	------	19	1.030	25	.311	94	80	------	81	49	------
NORTH CAROLINA—													
Goldsborough	.601	.549	.577	10	1.030	24	.194	86	57	87	41	34	69
SOUTH CAROLINA—													
All Saints	.614	.614	.613	13	.870	24	.231	84	62	75	63	36	54
Camden	.543	.562	.573	10	.785	24	.251	87	56	82	76	36	68

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Mean force of vapor for the month, .483; computed approximately from the mean dew point.
e Same amount on the 24th and 25th.
f For the last half of the month only.

No. 34.—PSYCHROMETER, SEPTEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches*						
SOUTH CAROLINA—Continued.													
Charleston, [Dawson] (*a*)													
Columbia	.429	.477	.470	9	.758	25	.123	69	48	62	38	16	18
Edisto Island	.638	.672	.647	13	.843	24	*b*. 308	83	66	76	73	49	58
St. John's (*c*)	.505	.607	.575	14	.873	25	.241	87	65	82	79	49	67
GEORGIA—													
Savannah	.587	.558	.598	13	.830	24	.194	81	49	75	62	27	52
FLORIDA—													
Jacksonville	.769	.841	.762	8	1.003*d*	24	.394	91	77	91	82	68	82
Warrington (*c*)	.905	.964	.924	2	1.189	24	*e*. 510	94	87	89	84	77	76
ALABAMA—													
Auburn	.434	.411	.423	12	.705	30	.022	59	37	52	6	18	31
Carlowville	.576	.565	.635	4	.904	24	.255	71	52	68	51	36	49
MISSISSIPPI—													
Columbus	.537	.537	.566	9	.911	23	.161	83	54	78	60	29	42
Port Gibson	.504	.740	.549	18	1.108	25	.182	74	63	63	44	49	42
Natchez	.690	.782	.747	11	1.016	30	.229	80	76	81	65	44	63
TEXAS—													
Austin	.566	.510	.611	19	*f*. 772	30	.191	79	41	75	51	27	56
New Braunfels	.730	1.296	.883	3	2.009	24	.407	91	84	90	86	75	80
TENNESSEE—													
Glenwood	.453	.430	.480	9	.842	23	.141	87	48	79	74	29	52
Knoxville	.453	.487	.491	11	.905	23	.167	85	58	80	39	27	49
KENTUCKY—													
Springdale	.394	.479	.499	8	.870	24	.154	92	53	73	66	35	48
OHIO—													
Cincinnati, [Harper]	.449	.516	.485	9	.816	21	.125	76	56	74	29	22	48
Cleveland	.380	.400	.384	9	.883	19	.194	76	56	71	48	24	39
Dayton, [Fisher]	.499	.514	.552	16	.927	13	.270	77	63	74	64	44	32
Germantown, [Groneweg]	.408	.396	.423	6	.777	30	.162	86	50	82	69	29	45
Hillsborough	.437	.445	.430	9	.854	23	.201	91	57	79	73	31	51
Perrysburg (*c*)	.391	.554	.431	4	.983	23	.126	81	68	77	49	41	47
Portsmouth	.435	.564	.496	16	1.135	28	.155	76	63	78	34	34	57
Savannah	.433	.474	.425	5	.868	20	.189	92	59	93	73	33	66
West Bedford	.373	.408	.405	7	.718	23	*g*. 165	88	57	88	70	30	53
MICHIGAN—													
Detroit	.388	.462	.423	7	.799	22	.194	84	66	82	65	46	49
Romeo, [Stone] (*c*)	.362	.375	.352	9	.726	1	.150	82	55	78	66	22	46
INDIANA—													
New Harmony	.480	.534	.530	9	.901	23	.199	87	59	84	68	37	64
Richmond (*c*)	.500	.536	.459	1	.884	3	.227	80	50	67	64	19	47
ILLINOIS—													
Manchester (*c*)	.431	.581	.484	15	.935	24	.144	91	64	93	63	48	74
Peoria	.375	.408	.454	9	.950	18	.154	76	42	74	62	20	50
Warsaw								29	10	5	0	0	0
MISSOURI—													
St. Louis	.437	.458	.485	9	.829	23	.142	79	50	74	51	29	49
WISCONSIN—													
Appleton	.283	.287	.308	17	.677	15	.097	74	48	73	30	11	48
Waukesha	.293	.327	.318	9	.735	24	.115	63	44	64	30	28	38
IOWA—													
Muscatine	.357	.483	.425	10	*h*. 882	30	.108	88	55	83	74	32	64
CALIFORNIA—													
Sacramento	.404	.419	.432	24	.733	4	.113	71	45	63	26	12	12
MEXICO—													
Vera Cruz	.808	.849	.848	23	.964	24	.669	82	76	79	70	67	65
SOUTH AMERICA—													
Catharina Sophia, Surinam (*c*)	.810	.980	.902	24	1.189	5	*i*. 745	90	73	80	78	59	68
Colonia Tovar, Venezuela	.411	.461	.424	18	.570	30	.308	87	79	91	70	59	70

a Mean force of vapor for the month, .665; computed approximately from the mean dew point.
b Same amount on the 30th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 18th.
e Same amount on the 25th.
f Same amount on the 20th.
g Same amount on the 24th.
h Same amount on the 15th.
i Same amount on the 8th.

No. 35.—PSYCHROMETER, OCTOBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	9 p. m.	2 p. m.
British America—	*Inches.*	*Inches.*	*Inches*		*Inches*		*Inches*						
Montreal (*a*)	.239	.268	.240	6	.533	14	.109	84	67	67	50	42	43
Montreal (*b*)	.242	.263	.240	6	.529	14	.096	84	66	76	58	39	45
St. Martin (*a*)	.239	.342	.275	9	*e*. 617	24	.106	87	73	85	70	54	75
St. Martin (*b*)	.223	.321	.241	9	.596	24	.100	86	72	83	61	50	51
Toronto (*d*)	.222	.242	.225	22	.418	14	.106	85	63	77	56	40	50
Wolfville	.273	.260	.278	1	.489	24	.066	85	62	82	57	30	45
Vermont—													
Burlington	.240	.250	.260	6	.476	24	.096	83	53	77	58	36	35
Massachusetts—													
Amherst	.246	.304	.267	6	.618	15	.094	91	58	79	54	40	47
Bridgewater (*d*)	.299	.363	.325	16	.992	26	.030	80	50	75	55	8	36
Lawrence (*e*)													
Nantucket	.333	.339	.327	3	.543	24	.126	77	64	75	51	36	37
New Bedford	.295	.326	.304	10	.577	14	.103	83	64	80	46	39	45
Newburyport	.267	.285	.268	9	.482	23	.136	82	55	78	62	31	62
North Attleborough	.261	.263	.269	6	.547	25	.059	79	47	76	51	16	36
Princeton	.232	.246	.235	6	.473	15	.026	71	54	70	6	20	37
Westfield	.228	.259	.296	11	.581	25	.075	86	47	86	56	19	57
Williamstown	.230	.307	.266	8	.624	16	.000	83	71	90	0	43	68
Worcester	.277	.366	.274	10	.646	25	.064	75	68	71	37	42	43
Connecticut—													
Pomfret	.270	.324	.279	6	.621	24	.103	86	69	82	28	40	61
Wallingford	.260	.299	.273	6	.601	23	.025	88	52	80	50	28	48
New York—													
Blackwell's Island	.251	.306	.281	6	.530	29	.087	63	58	64	30	31	35
Fordham	.275	.293	.287	6	.591	30	.000	78	51	72	41	0	25
McGrawville	.227	.277	.264	5	.477	14	*f*. 115	80	70	75	66	39	37
New York city	.278	.320	.287	13	.549	15	.094	74	57	65	41	29	38
Oswego	.285	.296	.272	5	.554	25	.000	87	65	81	18	0	38
Ovid	.219	.229	.227	22	.426	15	.064	74	52	66	39	23	39
Penn Yan		.265		5	*e*. 496	15	.114		53			31	
Spencertown	.214	.286	.258	6	.551	19	.043	83	64	84	12	32	15
New Jersey—													
Bloomfield	.292	.303	.288	9	.514	14	.118	85	52	78	41	33	48
Pennsylvania—													
Chromedale	.256	.305	.275	6	.593	31	.069	83	56	80	50	31	36
Easton	.250	.281	.276	6	.529	31	.087	84	48	75	47	25	46
Lewisburg	.211	.249	.244	5	.481	24	.091	81	47	74	49	26	41
Morrisville	.325	.348	.393	6	.596	15	.123	90	59	89	52	35	66
Nazareth	.252	.358	.245	6	.691	31	.123	84	68	79	59	47	61
Norristown	.258	.337	.290	8	.658	25	.120	80	63	77	56	41	50
Philade'phia	.267	.302	.284	6	.639	24	.071	75	51	69	46	27	40
Maryland—													
Frederick	.260	.297	.298	5	.559	16	.052	82	54	76	51	18	52
District of Columbia—													
Washington	.293	.330	.357	5	.639	31	.102	85	52	80	43	30	45
Virginia—													
Alexandria	.338	.394	.399	11	.727	24	.163	93	64	91	62	18	73
Berryville (*d*)	.336	.546	.471	9	.772	24	.231	94	74	88	83	42	72
North Carolina—													
Goldsborough	.383	.379	.404	27	.623	31	.109	85	53	85	61	25	48
Murfreesborough	.376	.391	.409	4	.608	31	.126	89	61	83	59	34	48
South Carolina—													
All Saints	.430	.515	.504	12	*g*. 758	1	.189	86	70	84	69	33	66
Camden	.342	.443	.400	14	.758	31	.193	89	59	87	65	26	63
Charleston, [Dawson] (*h*)													

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c Same amount on the 19th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Mean force of vapor for the month, .374; computed approximately from the mean dew point.
f Same amount on the 25th.
g Same amount on the 14th.
h Mean force of vapor for the month, .487; computed approximately from the mean dew point.

No. 35.—PSYCHROMETER, OCTOBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Columbia	.268	.304	.313	27	.509	31	.118	64	41	57	40	18	21
Edisto Island	.496	.594	.542	14	.827	2	.136	86	78	84	59	51	21
St. John's (*a*)	.391	.493	.438	14	.695	31	.218	88	70	82	71	51	68
Georgia—													
Savannah	.431	.427	.478	14	.665	31	.126	83	51	78	50	21	48
Florida—													
Jacksonville	.584	.692	.596	7	.918	31	.334	90	80	91	26	45	45
Warrington (*a*)	.683	.792	.742	12	.983	1	.403	92	87	91	79	66	67
Alabama—													
Auburn	.322	.325	.322	10	.551	31	.078	65	38	51	46	19	30
Carlowville	.471	.498	.540	6	.886	16	.127	74	57	71	52	18	19
Greensborough	.366	.388	.349	27	.604	31	.038	63	48	53	36	7	9
Mississippi—													
Columbus	.384	.409	.427	23	.698	31	.160	85	49	75	62	33	41
Natchez (*b*)	.396	.664	.569	2	*c*. 868	2	060	40	96	89	19	77	29
Port Gibson	.382	.561	.457	24	.829	16	.061	68	64	67	25	36	13
Texas—													
Austin	.458	.457	.522	11	*d*. 733	1	.032	90	46	84	60	3	53
New Braunfels	.528	.793	.647	5	1. 296	17	.186	89	80	88	78	69	74
Tennessee—													
Glenwood	.348	.397	.361	24	.900	31	.120	84	52	69	63	22	38
Knoxville	.331	.335	.354	26	.566	31	.111	86	52	79	67	22	42
Kentucky—													
Springdale	.292	.396	.379	3	.812	28	.090	92	56	72	66	20	34
Ohio—													
Cincinnati, [Harper]	.313	.484	.359	7	.773	30	.125	80	60	75	63	30	54
Cleveland	.255	.284	.280	22	.553	16	.093	78	51	75	51	29	54
Dayton, [Fisher]	.425	.462	.426	6	.708	4	.203	81	72	72	32	54	62
Germantown, [Groneweg]	.270	.330	.291	7	.605	31	.095	84	52	77	60	23	36
Hillsborough	.310	.340	.311	3	.626	28	.097	90	55	74	62	25	48
Perrysburg (*a*)	.289	.376	.314	8	.717	1	.100	87	66	78	62	39	53
Portsmouth	.297	.431	.364	11	.800	31	.139	81	64	75	41	40	34
Savannah	.289	.328	.314	22	.626	30	.129	94	60	93	69	27	74
West Bedford	.279	.337	.293	22	.693	30	.101	75	60	73	37	24	44
Michigan—													
Detroit	.299	.358	.308	9	.604	14	.131	86	72	83	55	49	58
Romeo, [Andrews] (*a*)	.241	.263	.254	22	.525	27	.056	84	53	76	53	15	51
Indiana—													
New Harmony	.337	.416	.381	3	.846	31	.129	85	56	78	63	22	53
Illinois—													
Manchester (*a*)	.339	.502	.389	22	.819	31	.108	93	69	87	61	46	64
Peoria	.299	.355	.339	6	.719	31	.092	79	49	70	44	30	36
Missouri—													
St Louis	.354	.399	.358	12	*e*. 648	31	.117	80	52	69	34	26	33
Wisconsin—													
Appleton	.234	.264	.257	4	.549	31	.073	71	52	70	45	30	32
Waukesha	.196	.255	.220	22	.537	31	.022	59	41	58	25	26	27
Iowa—													
Muscatine	.290	.426	.346	22	.931	31	.067	85	68	84	53	32	51
California—													
Sacramento	.294	.330	.329	7	.452	21	.142	77	55	70	58	27	38
Mexico—													
Vera Cruz	.766	.820	.798	7	.962	17	.466	80	74	77	57	58	61
West Indies—													
Port of Spain, Trinidad	.846	.860	.857	24	.963	10	.743	87	72	83	83	55	74
South America—													
Catharina Sophia, Surinam	.810	.897	.855	24	.537	11	.255	90	69	75	79	60	65
Colonia Tovar, Venezuela	.408	.461	.418	19	.983	9	.745	87	78	92	53	49	75

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Observations taken mostly in the first half of the month.
c Same amount on the 6th.
d Same amount on the 20th, 4th, and 5th.
e Same amount on the 23d.

No. 36.—PSYCHROMETER, NOVEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.158	.196	.161	4	.427	30	.064	80	85	80	45	51	54
Montreal (*b*)	.150	.184	.160	4	.420	6	*c*. 059	83	86	87	55	55	64
St. Martin (*a*)	.152	.200	.163	8	.421	29	.071	83	81	83	60	68	67
St. Martin (*b*)	.139	.177	.158	4	.412	11	.000	84	77	87	63	0	73
Toronto (*d*)	.186	.174	.178	4	.353	5	.090	85	68	80	60	49	55
Wolfville	.203	.191	.192	5	.564	29	.069	86	71	85	64	43	54
VERMONT—													
Burlington	.159	.147	.164	4	.460	10	.003	78	52	75	59	2	15
MASSACHUSETTS—													
Amherst	.170	.197	.191	4	.600	10	.084	87	68	79	62	37	53
Bridgewater (*d*)	.177	.216	.223	4	.544	23	.055	86	66	78	57	43	39
Lawrence (*e*)	------	------	------	---	------	---	------	------	------	------	------	------	------
Nantucket	.220	.226	.224	4	.549	16	.056	74	62	73	59	37	15
New Bedford	.196	.210	.222	4	.559	6	.040	81	61	79	52	27	21
Newburyport	.159	.190	.219	4	.540	20	.061	80	63	84	51	20	46
North Attleborough	.172	.184	.184	4	.564	11	.056	76	52	71	45	19	40
Princeton	.147	.168	.161	4	.538	11	.051	77	61	73	52	29	28
Westfield	.152	.178	.186	4	.551	12	.056	78	52	78	45	17	43
Worcester	.152	.202	.175	4	.570	14	.000	71	60	68	18	0	10
CONNECTICUT—													
Pomfret	.183	.218	.195	4	.596	11	.084	89	69	82	71	46	58
Wallingford	.175	.194	.188	4	.576	15	.042	82	53	75	46	28	27
NEW YORK—													
Blackwell's Island	.135	.195	.159	4	.516	10	.029	53	54	57	20	32	14
New York city	.201	.216	.202	4	.610	5	.222	71	52	65	51	27	42
Oswego (*f*)	.231	.233	.230	2	.378	6	.092	67	66	73	70	32	51
Ovid	.159	.171	.172	4	.391	6	.083	72	65	75	49	40	42
Penn Yan	------	.185	------	4	.468	19	.088	------	61	------	------	36	------
Troy (*d*)	.179	.176	.175	4	.532	5	.083	73	54	69	45	28	41
NEW JERSEY—													
Bloomfield	.190	.217	.198	4	.663	5	.071	80	56	73	46	27	40
PENNSYLVANIA—													
Berwick (*g*)	.149	.182	.188	25	.298	30	.076	71	63	80	45	28	64
Chromedale	.176	.208	.202	4	.624	9	.043	82	55	77	54	29	44
Easton	.179	.182	.189	4	.571	5	.084	81	49	73	56	25	45
Lewisburg	.149	.147	.158	4	.526	5	.075	74	51	67	49	23	30
Morrisville	------	.254	------	4	.658	17	.134	------	62	------	------	37	------
Nazareth	.184	.248	.195	4	.583	20	*h*. 123	93	75	89	64	54	70
Norristown	.199	.203	.191	3	.604	19	.025	79	54	69	58	9	33
Philadelphia	.184	.213	.201	4	.635	15	.090	75	51	71	48	0	52
MARYLAND—													
Frederick	.188	.215	.196	4	.600	5	.104	81	61	75	61	45	43
DISTICT OF COLUMBIA—													
Washington	.214	.238	.274	4	.626	5	.085	86	58	76	51	24	45
VIRGINIA—													
Alexandria	.244	.302	.265	4	.774	10	.123	95	72	87	69	42	61
NORTH CAROLINA—													
Goldsborough	.301	.302	.324	3	.774	17	.088	82	53	81	43	18	42
Murfreesborough	.277	.325	.306	3	.812	10	.016	80	63	77	4	26	49
SOUTH CAROLINA—													
All Saints	.382	.444	.407	3	.870	18	.136	89	70	86	62	34	34
Camden	.306	.379	.314	3	.813	18	.123	90	61	47	56	31	51
Charleston, [Dawson] (*i*)	------	------	------	---	------	---	------	------	------	------	------	------	------
Edisto Island	.399	.411	.385	24	*j*. 693	13	.000	77	62	80	0	32	60
St. John's (*d*)	.372	.429	.412	3	.812	16	.136	85	67	82	73	39	63
GEORGIA—													
Savannah	.366	.418	.408	3	.800	18	.119	79	57	76	51	24	45

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c Same amount on the 10th and 15th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Mean force of vapor for the month, .300; computed approximately from the mean dew point.
f For the first nine days of the month only.
g For the last 19 days of the month only.
h Same amount on the 17th and 28th.
i Mean force of vapor for the month, .391; computed approximately from the mean dew point.
j Same amount on the 29th.

No. 36.—PSYCHROMETER, NOVEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
FLORIDA—	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches.*						
Jacksonville	.497	.642	.535	3	.877	18	.262	92	84	93	84	50	85
Warrington	.590	.701	.632	25	.963	10	.375	93	85	89	82	63	73
ALABAMA—													
Auburn	.280	.312	.280	28	.693	17	.095	65	52	58	32	18	28
Carlowville	.339	.380	.385	25	.785	9	.066	82	82	77	58	23	51
Greensborough	.288	.309	.331	25	.684	17	.105	67	60	66	37	25	36
MISSISSIPPI—													
Columbus	.281	.293	.303	25	.647	9	.115	83	55	76	63	27	41
Port Gibson	.312	.403	.387	3	.759	15	.131	79	65	79	55	33	62
TEXAS—													
Austin	.275	.290	.316	3	.621	9	.068	87	44	79	62	15	38
New Braunfels	.321	.528	.374	7	.969	8	.130	86	76	87	78	65	78
TENNESSEE—													
Glenwood	.200	.233	.239	25	.545	9	.083	80	55	72	41	24	36
Walnut Grove	.193	.299	.216	3	.518	1	*a*.000	87	66	88	0	52	66
KENTUCKY—													
Springdale	.175	.232	.230	3	.543	9	.091	85	63	75	31	34	15
OHIO—													
Cincinnati, [Harper]	.183	.267	.205	3	.536	18	.082	77	62	72	54	32	54
Cleveland	.168	.190	.186	3	.452	9	.089	74	63	73	49	34	47
Germantown, [Groneweg]	.163	.210	.283	3	.503	10	.085	84	61	79	50	33	40
Hillsborough	.201	.236	.215	3	.549	9	.105	92	70	84	53	44	50
Perrysburg (*b*)	.177	.228	.203	3	.446	19	.098	81	73	81	50	48	43
Savannah	.171	.245	.196	1	.543	10	*c*.068	92	86	94	60	43	63
West Bedford	.188	.221	.210	3	*d*.452	1	.000	77	71	77	48	41	0
MICHIGAN—													
Detroit (*e*)	.204	.225	.230	3	*d*.407	5	.111	82	74	86	67	47	74
Romeo	.165	.175	.176	3	.416	9	.079	81	71	83	61	41	52
INDIANA—													
New Harmony	.198	.220	.206	3	.583	24	.071	89	60	78	52	15	45
Richmond	.165	.194	.189	3	.514	6	.000?	77	58	72	54	0	40
ILLINOIS—													
Chicago (*b*)	.163	.180	.170	21	.335	19	.116	78	70	77	53	53	59
Manchester (*b*)	.185	.257	.188	2	.500	8	.075	97	82	97	79	58	70
Peoria	.168	.199	.192	2	.500	8	.049	84	66	85	35	31	57
Upper Alton (*f*)	.303	.237	.261	3	.456	4	.155	92	83	81	79	71	71
MISSOURI—													
St. Louis	.181	.194	.184	2	.500	8	.095	83	60	75	53	33	33
WISCONSIN—													
Appleton	.123	.138	.137	21	.248	19	.051	70	61	72	44	39	45
Madison	.138	.143	.135	3	*g*.278	8	.008	80	62	71	49	7	43
Waukesha	.105	.108	.099	21	.251	18	.006	52	43	48	24	2	18
IOWA—													
Muscatine	.143	.191	.155	1	.336	18	.022	83	79	85	27	37	58
CALIFORNIA—													
Sacramento	.231	.280	.282	18	.439	2	.126	77	61	79	27	14	40
MEXICO—													
Vera Cruz	.658	.701	.701	27	.845	5	.442	76	73	77	55	51	58
WEST INDIES—													
Port of Spain, Trinidad	.824	.886	.860	16	.969	5	.745	87	82	86	80	67	75
SOUTH AMERICA—													
Catharina Sophia, Sur'm (*b*)	.792	.884	.871	10	1.003	18	.658	91	74	79	55	63	72
Colonia Tovar, Venezuela	.394	.483	.381	16	.570	30	.176	89	86	88	71	65	32
AZORES—													
Horta, Fayal	.480	.490	.483	14	.600	6	.315	87	78	88	74	61	76

a Same amount on the 8th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 19th.
d Same amount on the 4th.
e For the first 16 days of the month only.
f Four observations only during the month.
g Same amount on the 21st.

No. 37.—PSYCHROMETER, DECEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.078	.095	.092	20	.214	18	.016	79	75	84	51	45	54
Montreal (*b*)	.067	.085	.084	20	.196	18	.008	79	79	84	64	37	30
St Martin (*a*)	.070	.097	.085	12	.227	19	.004	85	81	86	66	60	70
St. Martin (*b*)	.058	.086	.071	20	.197	18	.005	81	84	87	23	63	61
Toronto (*c*)	.112	.117	.107	11	.232	18	.022	86	79	83	71	62	70
Wolfville	.125	.229	.123	24	.316	18	.031	88	77	84	55	40	50
VERMONT—													
Burlington	.069	.077	.079	20	.222	18	.000	67	49	63	0	0	0
Norwich (*d*)	------	------	------	----	------	----	------	27	27	27	24	24	23
MASSACHUSETTS—													
Amherst	.093	.113	.116	11	.305	19	.031	87	78	85	46	54	68
Bridgewater (*c*)	.105	.144	.127	20	.326	18	.012	84	42	81	59	27	46
Lawrence (*e*)	------	------	------	----	------	----	------	------	------	------	------	------	------
Nantucket	.122	.135	.132	14	.316	18	.011	66	62	71	21	36	8
New Bedford	.126	.146	.139	11	.329	8	.057	82	73	80	59	51	57
Newburyport	.094	.109	.119	20	.322	18	.012	81	68	83	43	25	52
North Attleborough	.094	.100	.112	11	.316	18	.024	72	61	71	42	33	50
Princeton	.077	.091	.092	20	.316	18	*f*.000	71	69	74	0	38	28
Westfield	.084	.095	.113	14	.194	19	.024	74	63	82	56	32	51
Worcester	.085	.105	.112	11	.300	27	.001	61	60	67	5	0	13
CONNECTICUT—													
Pomfret	.104	.130	.121	20	.361	18	.035	89	82	86	62	56	70
Wallingford	.092	.126	.115	11	.361	18	*f*.027	80	67	76	42	37	41
NEW YORK—													
Blackwell's Island	.115	.145	.131	14	.362	18	.042	73	69	75	35	36	37
Fordham	.141	.153	.165	11	.418	21	.009	90	80	95	37	12	70
New York city	.136	.156	.147	14	.398	18	.040	76	71	80	54	39	44
Troy	.183	.125	.125	20	.309	25	.049	73	66	72	46	39	56
NEW JERSEY—													
Bloomfield (*g*)	.107	.159	.141	14	.375	18	.036	71	68	74	47	41	38
PENNSYLVANIA—													
Berwick	.105	.137	.117	20	.298	18	.020	70	68	68	32	43	14
Chromedale	.119	.137	.127	11	.370	18	.040	77	59	76	44	32	49
Easton	.118	.133	.131	14	.352	19	.038	80	64	83	58	34	56
Lewisburg	.096	.107	.100	11	.314	18	.033	71	55	66	43	29	44
Morrisville (*h*)	------	.183	------	14	.433	6	.091	------	68	------	------	40	------
Nazareth (*c*)	.110	.142	.119	14	.300	18	.045	84	75	82	76	64	62
Norristown	.116	.110	.121	11	.309	15	.040	77	52	68	37	21	42
Philadelphia	.112	.132	.122	14	.382	18	.025	73	59	71	37	34	45
MARYLAND—													
Frederick	.122	.135	.124	11	.311	18	.036	75	63	71	46	31	49
DISTRICT OF COLUMBIA—													
Washington	.131	.139	.138	11	.388	23	.039	82	57	75	51	23	43
VIRGINIA—													
Alexandria (*i*)	.173	.227	.185	11	.419	8	*j*.093	84	77	81	63	54	60
Montrose	.129	.169	.157	11	.449	1	*k*.000	81	66	83	12	0	46
NORTH CAROLINA—													
Goldsborough	.221	.171	.203	3	.611	23	.050	88	53	76	75	25	42
Murfreesborough	.189	.206	.195	11	.570	21	.065	83	62	73	44	36	32
SOUTH CAROLINA—													
All Saints	.266	.287	.280	2	.666	23	.042	88	64	83	69	21	46
Camden	.188	.230	.202	2	.583	6	.035	84	62	75	51	33	19
Charleston, [Dawson] (*l*)	------	------	------	----	------	----	------	------	------	------	------	------	------
Edisto Island (*c*)	.298	.324	.295	2	.626	9	.113	84	65	83	54	34	49
St. John's (*c*)	.228	.264	.249	2	.639	23	.094	83	62	79	63	39	48

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to tables of the Smithsonian Institution.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Dalton's hygroscope used.
e Mean force of vapor for the month, .300; computed approximately from the mean dew point.
f Same amount on the 19th.
g For the first 24 days of the month only.
h Observations interrupted from the 16th to the 28th.
i For the first 16 days of the month only.
j Same amount on the 10th.
k Same amount on the 2d.
l Mean force of vapor for the month, .252; computed approximately from the mean dew point.

No. 37.—PSYCHROMETER, DECEMBER, 1856.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
GEORGIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Savannah	.256	.262	.266	29	.577	23	.030	77	51	70	32	18	26
FLORIDA—													
Jacksonville	.345	.477	.368	1	*a*.772	1	.002	92	84	88	85	69	0
Warrington	.424	.571	.495	2	.870	23	.195	91	83	91	78	62	86
ALABAMA—													
Auburn	.178	.196	.196	2	.483	18	.043	64	49	59	28	16	28
Carlowville	.221	.287	.275	1	.685	24	.075	80	66	79	45	40	40
Greensborough	.194	.210	.225	2	.624	23	.040	65	66	65	35	40	37
MISSISSIPPI—													
Columbus	.184	.210	.213	2	.605	22	.070	78	57	74	53	32	37
Port Gibson	.252	.335	.308	1	.745	7	*b*.123	86	70	80	70	39	46
TEXAS—													
Austin	.231	.226	.240	13	.559	21	.042	86	43	71	51	10	23
New Braunfels	.257	.398	.303	26	.813	6	*c*.123	79	68	84	77	32	77
TENNESSEE—													
Glenwood	.169	.171	.181	2	.564	22	.056	83	60	79	46	29	34
KENTUCKY—													
Springdale	.104	.150	.155	2	.516	16	*d*.000	67	71	77	0	34	46
OHIO—													
Cincinnati, [Harper]	.116	.157	.123	19	.282	22	.034	79	73	67	58	41	31
Germantown, [Groneweg]	.107	.115	.128	2	.405	22	.034	90	69	85	41	40	59
Hillsborough	.131	.158	.147	2	.518	22	.040	97	88	94	73	61	71
Perrysburg (*e*)	.108	.141	.116	11	.309	22	.043	89	84	84	76	67	50
Savannah	.111	.139	.117	28	.216	22	.035	97	92	97	66	55	59
West Bedford	.097	.113	.099	2	.361	15	.025	73	71	70	27	19	29
MICHIGAN—													
Copper Falls Mines								45	38	42	22	6	2
Romeo	.098	.105	.099	14	.216	18	.038	91	77	90	66	53	72
INDIANA—													
New Harmony	.135	.175	.172	2	.570	23	.048	89	73	90	62	49	56
Richmond	.104	.107	.124	2	.257	22	.034	79	62	73	43	28	49
ILLINOIS—													
Chicago	.088	.097	.093	11	.229	22	.026	83	78	82	69	60	59
Manchester (*e*)	.117	.152	.134	19	.335	22	.042	99	86	99	80	68	79
Peoria	.099	.121	.107	27	.275	22	.025	83	71	70	49	32	51
MISSOURI—													
St. Louis	.133	.173	.146	2	.403	21	.045	91	82	86	65	46	54
WISCONSIN—													
Appleton	.060	.080	.072	11	.170	26	.006	62	60	68	12	26	43
Madison, [Sterling] (*e*)	.074	.086	.086	19	.196	14	.006	61	62	57	12	28	12
Waukesha	.063	.078	.068	19	.183	7	*f*.013	52	65	67	42	36	34
IOWA—													
Muscatine	.077	.107	.081	19	.235	21	.009	82	85	81	26	49	21
CALIFORNIA—													
Sacramento	.198	.230	.229	24	.388	5	.139	82	69	80	70	32	58
MEXICO—													
Vera Cruz	.657	.641	.668	1	.836	6	.482	80	75	81	76	68	66
WEST INDIES—													
Port of Spain, Trinidad	.807	.835	.818	5	.940	23	.673	88	77	84	79	60	74
SOUTH AMERICA—													
Catharina Sophia, Surinam (*e*)	.806	.861	.847	10	.950	3	*g*.720	92	75	80	86	56	72
AZORES—													
Horta, Fayal	.408	.421	.405	1	.593	9	.282	85	79	83	72	65	63

a Same amount on the 2d.
b Same amount on the 21st.
c Same amount on the 14th.
d Same amount on the 23d.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f Same amount on the 8th.
g Same amount on the 7th and 14th.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	19	13	0	2	1	15	15	28	0	93	0	7	0	0	0	11	36	3	57
Red River Settlement	27	0	0	0	30	19	8	7	1	92	8	0	0	0	6	15	3	13	45
St. Martin	0	25	0	1	0	46	3	16	2	93									
Toronto (*a*)	10	11	2	3	0	37	2	21	7	93									
Wolfville	2	3	10	1	0	9	16	34	14	89	1	2	10	0	0	10	16	26	65
MAINE—																			
Carmel	2	8	2	1	0	4	9	37	14	77	0	7	1	2	0	5	6	3	24
Fryeburg	4	17	1	2	3	16	7	12	0	62	2	1	0	0	0	4	3	17	27
Gardiner	1	24	1	6	0	19	5	28	9	93	1	0	0	0	0	12	2	6	21
Perry	4	14	1	2	0	8	8	56	0	93	2	12	1	0	3	8	8	16	50
Portland	25	13	0	1	0	7	25	22	0	93	5	3	0	3	0	2	7	14	34
Steuben	6	34	0	1	0	18	2	29	3	93	3	4	2	0	0	10	21	8	48
Windham	2	22	0	7	2	8	1	22	29	93	0	2	0	2	1	1	0	0	6
NEW HAMPSHIRE—																			
Concord	2	13	0	0	0	10	0	68	0	93									
Londonderry	2	7	0	1	0	1	4	45	33	93	1	1	0	0	0	2	2	5	11
Manchester	5	12	0	1	4	3	37	30	0	92	5	13	0	0	2	3	32	1	56
Stratford	33	0	12	0	11	0	94	0	0	150									
VERMONT—																			
Brandon	31	0	3	1	20	8	4	8	16	91	2	0	0	1	0	3	8	13	27
Burlington	28	10	2	1	40	4	3	5	0	93									
Craftsbury	8	8	4	7	24	11	14	17	0	93	6	6	2	0	10	10	17	12	63
MASSACHUSETTS—																			
Amherst	7	3	2	16	0	6	1	54	3	92	0	1	0	0	0	1	2	10	14
Boston (*a*)	1	2	0	0	0	7	2	15	4	31									
Mendon	0	18	1	0	0	36	2	36	0	93	2	16	1	0	0	37	3	34	93
Nantucket	4	9	3	1	0	6	8	54	8	93									
New Bedford	4	13	2	0	1	11	13	49	0	93	1	0	1	0	0	1	5	1	9
Newburyport	11	5	1	0	1	9	29	33	0	89									
North Attleborough	24	0	1	0	5	11	24	28	0	93	15	1	1	0	1	6	19	17	60
Princeton	2	17	7	1	0	0	47	19	0	93	2	1	0	0	0	0	17	7	27
Richmond	0	17	0	5	1	6	0	64	0	93	1	15	0	3	0	10	0	37	66
Southwick	0	17	0	0	0	6	1	11	8	43	0	0	0	0	0	2	1	4	7
Springfield	11	7	0	0	3	5	0	25	42	93	6	3	0	0	0	2	0	15	26
Westfield	10	5	8	4	2	4	22	33	0	88									
Williamstown	1	1	10	7	0	12	24	24	12	91	0	0	0	0	0	1	8	12	21
Worcester	24	8	0	2	4	12	21	22	0	93									
RHODE ISLAND—																			
Acquidneset	5	9	0	2	0	3	3	19	0	41									
Providence (*a*)	5	11	0	0	2	7	9	58	1	93									
CONNECTICUT—																			
New London	17	6	1	1	1	17	10	40	0	93									
Pomfret	6	15	1	0	0	10	9	52	0	93	5	11	1	0	1	12	4	22	56
Saybrook	18	13	3	0	0	0	25	31	2	92	0	2	1	0	1	1	11	17	33
NEW YORK—																			
Angelica	0	1	0	12	2	38	24	16	0	93	0	0	0	1	0	36	31	2	70
Baldwinsville	4	3	10	7	1	0	6	61	0	92	1	0	0	0	0	0	17	52	70
Beverly	3	26	0	0	0	31	2	25	0	87	0	7	0	7	1	21	5	14	55
Blackwell's Island	31	13	1	1	0	7	15	25	0	93	22	9	1	1	0	3	13	24	73
Canton	0	17	0	0	3	39	8	15	8	90	0	14	0	0	1	31	6	9	61
Clinton	4	0	14	0	0	4	67	3	0	92									
Fishkill Landing	5	36	0	2	0	32	2	5	5	87									
Flatbush	8	15	5	1	0	2	28	34	0	93	0	3	0	2	1	4	10	11	31
Geneva	1	4	5	0	18	21	18	12	14	93	0	0	1	0	1	0	12	2	16
Homer	13	1	5	10	16	8	19	20	0	92									
Liberty	14	3	6	9	1	2	32	26	0	93									
Lodi	3	1	1	15	2	13	23	31	4	93	1	0	0	0	0	1	13	6	21
Morrisania	16	9	3	0	0	12	24	29	0	93									
New York city	4	19	0	0	0	3	1.	18	0	93	1	9	0	0	0	4	39	14	67
Ogdensburg	3	4	2	1	2	10	2	7	0	31									

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Oswego	12	5	4	7	14	20	24	6	1	93									
Ovid	8	4	4	8	7	10	37	15	0	93	7	2	4	8	5	13	27	23	89
Penn Yan (*a*)	10	15	0	1	15	35	14	3	0	93									
Plattsburg	49	3	0	0	22	7	3	9	0	93	47	3	0	0	22	2	1	2	77
Rochester, [Harkness]	4	0	4	5	1	19	20	4	36	93									
Rochester, [Pratt]	8	6	9	6	2	39	21	2	0	93	4	2	0	0	1	0	8	2	17
Sag Harbor	2	17	0	2	2	25	8	37	0	93	0	5	0	3	1	22	13	12	56
Smithville	10	13	8	4	8	17	29	6	0	95	9	9	0	0	3	26	33	2	82
Spencertown	18	6	0	3	1	20	4	41	0	93	7	0	0	2	0	8	13	21	51
Wampsville	0	0	16	11	1	5	60	0	0	93	0	0	16	10	3	3	56	0	88
Watertown	3	58	0	0	1	27	3	1	0	93	2	37	0	0	1	27	1	2	70
NEW JERSEY—																			
Bloomfield	2	15	0	0	0	17	14	39	0	87									
Burlington	8	12	9	0	0	8	40	5	11	93	0	2	3	0	0	0	0	0	5
Lambertville	1	15	1	0	0	9	3	55	0	84									
Newark (*a*)	8	9	0	0	0	7	16	21	1	62									
PENNSYLVANIA—																			
Bedford	0	0	0	4	0	15	0	56	0	75	0	0	0	4	0	10	0	35	49
Berwick	0	1	9	3	1	0	56	1	5	76									
Cannonsburg	0	0	7	0	0	0	18	2	4	31									
Carlisle	0	10	0	1	0	11	13	42	15	92	1	0	0	0	0	3	6	21	31
Chromedale	10	19	0	0	1	0	3	40	19	92	1	2	0	0	0	0	24	10	37
Easton	4	3	0	2	0	1	6	15	13	44	0	0	0	0	0	0	2	1	3
Gettysburg	6	17	1	2	1	14	13	32	7	93	0	0	0	0	0	4	21	18	43
Harrisburg (*a*)	1	7	3	1	0	0	6	55	0	73	0	0	0	0	0	0	1	23	24
Meadville	1	0	0	5	5	17	4	15	46	93	4	0	0	0	0	11	10	13	38
Morrisville	2	17	0	0	1	6	25	35	7	93	6	9	0	1	0	3	28	13	60
Moss Grove	7	1	10	0	7	29	30	5	2	91	1	0	0	0	0	10	53	6	70
Nazareth	13	17	0	2	0	11	25	25	0	93	5	1	0	0	0	3	13	9	31
Norristown	1	6	8	1	0	4	34	29	0	83	0	0	4	0	0	6	41	6	57
Philadelphia	4	14	0	1	1	9	38	26	0	93	0	0	0	0	0	0	4	3	7
Pittsburg	0	1	0	0	0	3	0	0	0	4									
Pocopson	7	11	3	0	1	7	45	17	0	91	1	0	0	0	0	0	3	0	4
Randolph	0	0	2	11	2	6	8	5	5	39	0	0	0	0	0	1	4	2	7
Troy Hill	4	12	11	4	2	19	23	8	0	83									
West Haverford	2	9	3	1	0	5	4	22	16	62	2	1	0	0	0	1	2	13	19
DELAWARE—																			
Newark	9	4	0	0	0	0	9	17	0	39									
MARYLAND—																			
Annapolis	2	20	0	3	0	9	10	40	8	92	0	0	0	0	0	0	2	3	5
Bladensburg (*a*)	2	11	0	0	0	5	0	19	0	37									
Chestertown	1	8	5	2	1	5	14	23	0	59	0	0	0	0	0	3	7	1	11
Frederick	11	10	2	1	3	8	30	18	9	92	1	0	0	0	0	2	17	13	33
Sykesville	5	4	4	7	3	8	51	11	0	93	1	3	8	1	3	0	50	2	68
DISTRICT OF COLUMBIA—																			
Washington	2	10	2	1	0	7	20	37	14	93									
VIRGINIA—																			
Alexandria	9	13	3	2	9	11	9	37	0	93									
Berryville (*a*)	4	3	3	3	4	7	25	27	23	99	1	0	0	0	1	11	27	6	46
Buffalo	15	0	0	4	9	12	0	3	0	43	0	0	0	0	1	0	15	0	16
Crichton's Store (*a*)	31	0	1	0	8	17	11	3	6	77	16	0	0	0	0	23	11	0	50
Garysville (*a*)	6	5	0	1	2	21	7	10	0	52									
Huntersville	0	0	3	4	3	13	49	3	0	75	1	0	1	7	3	9	32	4	57
Kanawha (*a*)	0	1	0	0	0	8	0	27	26	62									
Lewisburg	1	0	0	0	0	0	2	1	0	4	1	0	0	0	0	0	13	1	15
Trout Run Valley	8	5	1	1	0	8	9	7	0	39	14	27	1	0	3	0	1	5	51
Winchester	0	0	0	0	0	0	15	10	68	93	0	0	0	0	0	0	6	3	9
NORTH CAROLINA—																			
Chapel Hill	14	5	0	0	1	10	33	30	0	93	3	1	0	0	0	26	5	3	38
Goldsborough	18	15	0	1	6	25	10	13	3	91	9	10	0	0	0	8	4	1	32

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—																			
All Saints	23	10	3	3	3	27	19	5	0	93	7	3	0	0	0	16	18	4	48
Camden	12	20	0	0	1	8	14	37	1	93	2	8	0	0	0	10	21	10	51
Charleston, [Johnson]	5	9	0	2	0	1	1	18	0	36	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	2	20	3	4	1	8	5	21	0	64	----	----	----	----	----	----	----	----	----
St. John's	1	19	1	1	0	10	0	0	30	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	18	9	2	2	9	2	27	24	0	93	0	0	0	0	0	4	0	0	4
Sparta	0	22	1	3	1	8	15	41	0	91	1	6	1	0	0	2	15	14	39
Thomaston	0	7	0	1	0	0	0	24	0	32	----	----	----	----	----	----	----	----	----
Whitemarsh Island	13	18	0	1	3	1	10	24	23	93	2	5	0	1	1	5	13	9	36
Zebulon	2	6	11	0	0	0	12	9	0	40	----	----	----	----	----	----	----	----	----
FLORIDA—																			
Atsena	22	27	2	3	4	2	5	22	6	93	6	17	1	2	2	3	3	21	55
Jacksonville	7	16	0	4	4	7	10	45	0	93	3	13	0	4	0	16	18	7	61
Salt Ponds	23	16	7	7	2	2	0	5	0	62	----	----	----	----	----	----	----	----	----
Warrington (*a*)	9	38	2	1	1	2	7	23	3	86	2	10	1	0	0	13	4	8	38
ALABAMA—																			
Auburn	6	10	8	11	1	10	17	30	0	93	0	13	6	6	0	6	13	14	58
Greene Springs (*a*)	8	2	7	2	1	2	4	10	0	36	3	0	3	4	0	0	1	6	17
MISSISSIPPI—																			
Oxford	11	13	9	8	2	19	6	24	1	93	0	0	1	3	1	18	14	7	44
Port Gibson	7	0	0	0	0	0	0	0	0	7	----	----	----	----	----	----	----	----	----
LOUISIANA—																			
New Orleans (*a*)	0	63	0	4	0	5	0	21	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	27	13	0	14	1	10	4	24	0	93	9	2	1	8	1	24	10	13	68
New Wied	36	6	9	3	10	2	0	4	22	92	0	0	0	0	1	0	1	0	2
Pin Oak (*a*)	10	7	0	6	2	2	0	4	0	31	----	----	----	----	----	----	----	----	----
Washington	24	0	0	0	7	0	0	0	0	31	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	34	7	1	4	6	7	6	19	9	93	5	0	1	0	0	6	11	21	44
KENTUCKY—																			
Danville	6	9	6	1	3	24	26	18	0	93	1	0	1	1	0	13	19	6	41
Millersburg	9	0	15	1	5	5	19	18	0	72	----	----	----	----	----	----	----	----	----
Paris	4	15	0	6	1	21	36	10	0	93	1	0	1	0	2	3	10	1	18
Springdale	5	5	3	4	4	23	11	9	29	93	----	----	----	----	----	----	----	----	----
Ballardsville	10	0	0	1	4	26	27	25	0	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	5	13	4	8	5	25	25	6	0	91	5	6	0	2	3	26	19	12	73
Cheviot (*a*)	0	11	0	8	0	39	3	11	21	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Harper]	13	2	6	0	0	30	35	7	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Telegraph] (*a*)	2	2	2	0	0	5	3	6	11	31	----	----	----	----	----	----	----	----	----
Cleveland	8	8	3	6	27	20	8	13	0	93	4	0	0	1	0	9	16	8	38
College Hill	9	7	1	2	1	5	20	32	16	93	1	1	0	0	1	1	1	4	9
Dayton, [Cooper F. Sem.]	0	5	1	0	0	12	2	4	7	31	----	----	----	----	----	----	----	----	----
Gallipolis	10	2	2	1	3	7	3	7	0	35	----	----	----	----	----	----	----	----	----
Germantown, [Groneweg]	12	11	0	25	4	29	0	10	0	91	4	9	0	6	1	37	0	11	68
Granville (*a*)	0	5	0	0	0	10	18	0	32	65	1	0	0	0	0	2	5	0	8
Hillsborough	2	13	0	5	1	29	1	11	0	62	0	0	0	0	0	3	0	0	3
Hiram	6	7	4	8	7	29	11	8	13	93	2	3	2	8	5	24	9	8	61
Oberlin	1	8	1	13	8	28	18	11	0	88	4	0	1	0	3	4	22	7	41
Portsmouth (*a*)	7	16	13	12	15	17	7	6	0	93	0	4	34	15	0	0	0	0	53
Savannah	7	7	0	11	0	16	0	52	0	93	4	9	0	9	0	12	0	31	65
Unionville	6	10	4	3	4	44	7	4	11	93	4	0	2	1	3	43	17	15	85
Urbana	1	7	2	4	3	26	10	12	3	68	2	4	0	0	0	5	21	8	40
MICHIGAN—																			
Ann Arbor, [Winchell]	0	0	0	0	0	8	0	0	0	8	----	----	----	----	----	----	----	----	----
Ann Arbor, [Woodruff]	5	14	1	5	3	27	14	11	12	92	2	6	0	0	0	9	24	14	55
Battle Creek	2	6	15	7	5	17	27	6	8	93	4	6	3	1	0	12	45	8	79

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No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Grand Rapids	1	23	1	3	0	25	16	5	19	93	4	0	0	0	0	0	4	1	9
Monroe, [Whelpley]	16	13	3	1	1	13	11	35	0	93	16	11	3	2	1	13	11	34	91
Romeo (*a*)	10	10	3	4	2	28	13	19	2	91	8	4	1	5	1	7	10	4	40
St. James	2	4	2	3	7	22	18	22	8	88	1	0	1	2	0	8	18	3	33
Saugatuck	6	11	16	9	2	9	32	8	0	93	11	11	6	0	1	24	64	8	125
INDIANA—																			
New Harmony	5	1	8	6	7	8	10	17	0	62	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	2	10	2	7	5	23	12	24	0	85	0	1	0	0	0	9	3	11	24
Augusta	4	6	8	5	5	15	29	21	0	93	2	0	2	1	1	2	3	1	12
Brighton (*a*)	3	11	0	3	3	16	4	22	0	62	----	----	----	----	----	----	----	----	----
Manchester (*a*)	9	8	0	1	4	12	43	16	0	93	1	0	0	0	1	8	13	5	28
Ottawa (*a*)	8	13	3	2	2	10	30	13	2	83	0	0	0	0	0	0	0	1	1
Peoria	2	2	1	3	4	8	6	5	0	31	----	----	----	----	----	----	----	----	----
Upper Alton	6	18	0	0	2	12	29	29	0	96	----	----	----	----	----	----	----	----	----
MISSOURI—																			
St. Louis	2	8	6	12	2	21	28	14	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	3	15	0	0	0	48	6	21	0	93	----	----	----	----	----	----	----	----	----
Beloit	10	3	2	3	7	11	12	45	0	93	0	0	0	0	0	1	0	3	4
Janesville	17	11	0	2	8	16	20	12	7	93	----	----	----	----	----	----	----	----	----
Kenosha	5	5	7	0	1	9	38	17	8	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	----	----	----	----	----	----	----	----	----	93	6	8	4	0	0	20	27	28	93
Platteville	15	9	4	3	7	8	32	15	0	93	14	9	4	1	1	8	13	10	60
Racine, [Seymour]	3	3	2	1	1	5	13	3	0	31	----	----	----	----	----	----	----	----	----
Superior	9	8	0	1	4	33	9	10	0	74	9	8	0	1	4	31	9	11	73
IOWA—																			
Dubuque	25	5	0	1	9	4	8	19	20	91	1	2	1	1	1	2	1	3	12
Fort Madison (*a*)	3	14	0	7	5	19	1	44	0	93	8	0	6	1	0	10	19	4	48
Muscatine	0	11	0	16	1	21	2	42	0	93	0	0	0	0	0	3	2	0	5
Pella	5	7	0	6	16	5	29	25	0	93	----	----	----	----	----	----	----	----	----
Pleasant Plain	50	7	15	6	20	17	48	23	0	186	----	----	----	----	----	----	----	----	----
Poultney	5	13	0	6	5	19	17	15	10	90	0	0	0	0	0	1	1	4	6
Quasqueton	2	7	0	10	2	9	5	39	2	76	----	----	----	----	----	----	----	----	----
MINNESOTA TERRITORY—																			
Hazlewood	10	0	0	1	13	7	14	45	0	90	2	0	0	1	4	0	12	2	21
CALIFORNIA—																			
Sacramento	14	19	3	16	1	4	0	36	0	93	4	2	1	12	1	5	4	10	39
Stockton, (*a*)	0	0	0	10	3	6	0	19	0	38	----	----	----	----	----	----	----	----	----
San Francisco (*a*)	3	0	0	6	4	2	6	1	14	36	2	0	0	5	4	6	9	2	28
MEXICO—																			
Mexico city (*a*)	1	0	6	6	6	16	11	1	5	52	1	0	0	1	2	1	1	0	6
WEST INDIES—																			
Up Park Camp, Jamaica.	8	5	5	33	1	2	0	0	0	54	----	----	----	----	----	----	----	----	----

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	3	4	0	13	6	14	20	27	0	87	1	0	0	0	1	11	40	8	61
Red River Settlement	16	0	0	1	22	9	21	14	0	83	4	0	0	0	4	8	18	25	59
St. John's (*a*)	0	2	0	0	10	13	6	11	0	42	----	----	----	----	----	----	----	----	----
St. Martin	0	10	0	8	4	43	8	14	0	87	----	----	----	----	----	----	----	----	----
Toronto (*a*)	3	6	1	2	0	36	8	29	2	87	----	----	----	----	----	----	----	----	----
Wolfville	0	1	4	5	1	8	38	22	8	87	1	1	3	5	1	8	30	17	66
MAINE—																			
Carmel	0	4	0	9	0	2	14	42	12	83	0	4	0	5	0	2	8	17	36
Fryeburg	4	2	4	3	1	5	9	28	0	56	2	0	0	0	0	3	5	24	34
Gardiner	1	16	0	3	1	12	7	41	5	86	1	0	0	0	0	5	5	13	24
Perry	0	1	0	8	5	11	7	55	0	87	6	1	0	2	10	7	5	10	41
Portland	5	11	0	1	3	6	33	28	0	87	2	0	0	0	0	4	12	5	23
Steuben	0	17	1	1	0	18	14	32	4	87	2	3	0	0	0	10	13	12	40
Windham	2	7	0	4	1	7	7	45	14	87	0	0	0	0	0	1	0	1	2
NEW HAMPSHIRE—																			
Concord	9	5	0	3	0	13	0	57	0	87	----	----	----	----	----	----	----	----	----
Londonderry	0	0	1	1	2	2	2	41	38	87	----	----	----	----	----	----	----	----	----
Stratford	0	1	2	0	2	8	14	8	0	35	0	0	0	0	0	9	1	17	27
VERMONT—																			
Brandon	15	0	4	3	25	0	13	13	14	87	0	0	0	0	0	2	8	19	29
Burlington	16	5	1	6	18	6	29	6	0	87	0	0	0	0	0	2	5	0	7
Craftsbury	4	2	1	3	23	9	10	35	0	87	1	0	0	0	0	0	15	13	29
MASSACHUSETTS—																			
Amherst	1	1	0	19	2	8	3	50	0	84	0	0	0	0	0	4	2	21	27
Boston	0	2	2	4	0	33	60	73	0	174	----	----	----	----	----	----	----	----	----
Mendon	1	0	0	0	0	39	3	44	0	87	1	1	0	0	0	38	3	44	87
Nantucket	4	2	1	1	4	8	13	52	2	87	----	----	----	----	----	----	----	----	----
New Bedford	2	2	0	1	5	14	10	51	1	86	0	1	0	0	0	1	7	4	13
Newburyport	5	3	2	2	9	4	34	18	0	77	0	0	0	0	0	6	1	0	7
North Attleborough	6	0	0	2	10	6	36	27	0	87	1	0	0	2	6	7	17	19	52
Princeton	0	5	1	3	1	8	38	31	0	87	0	1	0	3	1	2	20	16	43
Richmond	0	3	0	8	0	26	0	48	0	85	0	1	0	6	0	24	0	33	64
Southwick	2	2	0	0	1	4	3	17	0	29	0	0	0	0	0	1	5	6	12
Springfield	1	1	0	1	0	5	0	43	36	87	1	0	0	1	0	4	1	25	32
Westfield	0	2	4	11	2	6	43	16	0	84	----	----	----	----	----	----	----	----	----
Williamstown	0	1	3	6	2	12	36	23	4	87	0	0	0	0	0	5	14	23	42
Worcester	10	0	0	0	4	11	47	15	0	87	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Acquidneset (*a*)	0	6	0	1	3	4	5	22	0	41	----	----	----	----	----	----	----	----	----
Providence (*a*)	4	3	0	1	5	15	6	49	2	85	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	5	1	0	1	0	22	16	42	0	87	0	0	1	2	0	0	0	0	3
Norwich (*a*)	0	0	0	3	2	4	14	26	13	62	0	0	0	0	0	0	1	1	2
Pomfret	4	2	1	2	6	12	3	57	0	87	3	1	1	2	4	13	5	28	57
Saybrook	10	1	3	2	2	6	28	25	8	85	1	0	1	0	1	1	20	13	37
NEW YORK—																			
Angelica	2	6	4	6	0	22	37	7	0	84	0	0	0	1	1	21	23	1	47
Baldwinsville	1	0	7	4	0	6	19	48	0	85	0	0	0	0	0	2	22	48	72
Beverly	3	8	0	10	2	25	6	23	1	78	0	3	0	3	1	22	12	10	51
Blackwell's Island	12	4	0	2	5	21	22	21	0	87	10	2	0	1	4	19	20	19	75
Canton	3	4	0	3	0	65	1	11	0	87	3	2	0	1	0	48	2	8	64
Clinton	0	0	1	1	10	6	69	0	0	87	----	----	----	----	----	----	----	----	----
Fishkill Landing	3	16	0	10	8	22	5	21	2	87	0	0	1	0	1	0	0	0	2
Flatbush	6	5	0	2	3	11	34	26	0	87	0	0	0	0	1	4	16	16	37
Geneva	1	0	2	1	24	15	32	2	9	86	0	0	0	0	0	6	24	6	36
Homer	7	1	1	9	21	0	31	17	0	87	----	----	----	----	----	----	----	----	----
Liberty	2	1	3	4	6	5	20	46	0	87	1	3	5	9	0	0	0	1	19
Lodi	2	2	1	10	6	12	34	16	4	87	0	0	0	0	0	1	20	4	25
Madrid (*a*)	0	6	1	0	0	14	17	14	4	56	0	2	0	0	0	12	9	10	33
Morrisania	12	3	1	1	8	12	30	20	0	87	----	----	----	----	----	----	----	----	----

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1856.

NAME OF STATION.	SURFACE CURRENT										MOTION OF CLOUDS.								
	North.	Between north and east	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
New York city	2	6	3	1	0	3	32	40	0	87	0	0	4	0	0	3	38	12	57
Ogdensburg	3	0	1	1	3	12	7	2	0	29	----	----	----	----	----	----	----	----	----
Oswego	7	3	2	3	18	17	29	0	8	87	----	----	----	----	----	----	----	----	----
Ovid	3	2	3	1	17	11	41	9	0	87	3	1	2	1	14	9	36	9	75
Penn Yan (*a*)	0	4	0	0	15	40	19	9	0	87	----	----	----	----	----	----	----	----	----
Plattsburg	18	0	0	0	28	10	6	25	0	87	13	0	0	0	25	4	3	18	63
Rochester, [Harkness]	1	0	0	1	2	9	31	8	35	87	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	2	1	1	1	9	45	21	7	0	87	0	0	0	0	0	2	12	6	20
Sag Harbor	4	2	0	4	7	18	30	22	0	87	0	0	0	0	1	20	30	7	58
Smithville	1	5	1	1	30	14	30	5	0	87	7	6	0	0	0	11	50	0	74
Spencertown	5	2	0	0	14	13	6	47	0	87	0	0	0	0	0	5	11	45	61
Wampsville	0	1	4	1	12	6	63	0	0	87	0	1	4	1	11	6	59	1	83
Watertown	0	32	0	0	0	53	0	2	0	87	0	24	0	0	0	47	0	0	71
NEW JERSEY—																			
Bloomfield	4	6	0	0	2	50	5	20	0	87	----	----	----	----	----	----	----	----	----
Burlington	1	6	3	1	2	12	47	4	11	87	0	1	3	0	0	3	4	0	11
Lambertville	0	6	0	5	3	13	4	42	0	73	----	----	----	----	----	----	----	----	----
Newark (*a*)	4	3	0	0	1	24	12	14	0	58	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	0	3	2	23	3	44	0	75	0	0	0	3	2	23	3	28	59
Cannonsburg	1	0	8	0	0	4	18	2	0	33	----	----	----	----	----	----	----	----	----
Carlisle	0	8	2	2	0	15	16	29	14	86	0	0	1	0	0	11	12	10	34
Chromedale	2	9	1	7	3	6	5	35	19	87	0	0	0	0	1	6	21	15	43
Easton	2	3	3	3	0	1	37	25	10	84	0	1	0	0	0	2	16	7	26
Gettysburg	7	8	2	1	4	14	27	16	8	87	0	0	0	0	0	2	31	13	46
Harrisburg	0	0	2	19	8	0	8	43	0	80	0	0	0	3	4	0	3	14	24
Lewisburg (*a*)	3	2	4	7	1	15	15	29	11	87	0	0	0	0	0	8	21	19	48
Meadville	0	0	0	1	18	14	4	15	34	86	0	0	0	0	1	10	26	7	44
Morrisville	2	9	1	0	0	13	25	31	6	87	1	2	1	0	0	8	24	15	51
Moss Grove	0	1	5	1	13	17	29	18	0	84	0	1	1	0	0	7	45	11	65
Nazareth	5	5	1	0	0	18	42	16	0	87	3	0	0	0	1	2	11	15	32
Norristown	0	3	8	2	2	0	48	12	0	75	0	0	8	0	0	4	43	0	55
North Whitehall	0	0	0	0	0	0	3	6	0	9	----	----	----	----	----	----	----	----	----
Philadelphia	2	6	1	3	0	30	27	18	0	87	0	0	0	0	0	4	9	2	15
Pocopson	1	3	0	1	3	17	33	23	0	81	0	0	0	0	0	3	4	2	9
Troy Hill	8	10	3	2	11	13	20	13	0	80	----	----	----	----	----	----	----	----	----
West Haverford	1	0	2	1	3	11	9	13	18	58	2	0	0	0	0	2	13	13	30
DELAWARE—																			
Newark	10	3	1	0	0	6	21	9	0	50	----	----	----	----	----	----	----	----	----
MARYLAND—																			
Annapolis (*a*)	3	5	3	14	2	7	9	39	4	86	0	0	0	0	0	1	3	4	8
Bladensburg (*a*)	0	3	2	1	1	6	2	20	0	35	----	----	----	----	----	----	----	----	----
Chestertown	0	2	2	0	1	6	6	18	41	76	1	0	0	0	0	2	4	1	8
Frederick	2	14	2	2	4	20	16	18	7	85	0	0	0	0	1	4	30	5	40
Sykesville	1	4	0	7	1	29	37	8	0	87	0	0	3	2	0	3	56	0	64
DISTRICT OF COLUMBIA—																			
Washington	0	7	6	2	1	25	25	15	6	87	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	10	15	0	1	15	12	6	28	0	87	----	----	----	----	----	----	----	----	----
Buffalo	5	1	0	0	4	21	2	8	46	87	1	0	0	0	0	9	23	1	34
Berryville (*a*)	3	0	1	8	0	4	15	16	0	47	0	0	0	0	3	6	11	0	20
Crichton's Store (*a*)	22	2	1	2	16	20	11	13	0	87	0	0	0	0	0	38	14	0	52
Garysville	2	6	4	2	0	12	10	8	4	48	----	----	----	----	----	----	----	----	----
Huntersville	0	2	7	7	3	11	54	3	6	87	1	5	3	5	4	17	35	2	72
Kanawha (*a*)	0	0	0	0	0	4	0	14	11	29	----	----	----	----	----	----	----	----	----
Lewisburg	0	0	0	0	0	2	3	0	0	5	0	0	0	0	0	0	16	2	18
Trout Run Valley	15	17	4	6	7	9	17	12	0	87	5	23	2	5	4	3	3	0	45
Winchester	0	0	6	0	0	3	24	16	48	87	0	0	0	0	0	0	2	0	2
NORTH CAROLINA—																			
Chapel Hill	5	2	5	4	8	11	34	18	0	87	1	0	0	0	5	25	12	2	45

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No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—Cont'd..																			
Goldsborough	13	7	0	8	4	26	6	10	4	78	3	3	0	0	2	17	8	6	39
SOUTH CAROLINA—																			
All Saints	9	4	1	5	16	31	16	5	0	87	2	3	0	0	3	24	14	0	46
Camden	4	10	1	3	2	23	15	28	1	87	0	4	0	0	1	11	31	9	56
Charleston, [Johnson]	1	9	1	0	3	4	4	7	0	29	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	3	13	4	3	0	20	4	11	0	58	----	----	----	----	----	----	----	----	----
Edisto Island (*a*)	11	2	7	1	4	9	11	17	1	63	3	0	0	0	1	2	9	1	16
St. John's	0	13	0	3	0	10	3	27	0	56	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	10	3	7	6	10	10	22	19	0	87	0	0	0	0	1	4	11	0	16
Sparta, [Pendleton]	4	9	2	6	2	13	14	36	0	86	0	3	0	1	0	9	17	6	36
Thomaston	1	5	2	4	0	8	0	22	0	42	----	----	----	----	----	----	----	----	----
Whitemarsh Island	2	9	2	0	10	8	19	17	13	80	0	2	0	0	1	9	12	5	29
Zebulon	0	5	25	1	0	11	13	4	0	59	----	----	----	----	----	----	----	----	----
FLORIDA—																			
Atsena	12	11	3	10	5	15	18	12	1	87	2	3	0	3	4	16	13	7	48
Gainsville	4	13	3	6	3	18	18	21	1	87	2	0	0	1	0	1	3	0	7
Jacksonville	5	9	8	5	3	20	13	23	0	86	0	0	0	1	1	34	20	1	57
Salt Ponds	24	1	6	11	3	0	4	7	2	58	----	----	----	----	----	----	----	----	----
Warrington	4	28	3	3	0	7	10	22	2	79	1	7	0	6	0	24	8	4	50
ALABAMA—																			
Auburn	8	7	5	11	5	9	24	18	0	87	2	4	3	6	5	8	15	5	48
Greene Springs	12	0	0	3	4	0	18	5	0	42	5	0	0	6	5	0	29	7	52
MISSISSIPPI—																			
Columbus	1	1	0	0	0	1	1	1	0	5	----	----	----	----	----	----	----	----	----
Oxford	7	5	9	14	6	14	8	21	0	84	5	1	3	0	4	11	21	3	48
Port Gibson	13	0	3	4	2	6	9	2	0	39	----	----	----	----	----	----	----	----	----
LOUISIANA—																			
New Orleans (*a*)	0	40	0	10	0	23	0	14	0	87	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	26	4	5	5	10	17	4	16	0	87	9	8	2	7	4	15	16	15	76
New Wied	29	3	4	3	15	3	9	12	8	86	4	0	0	0	2	3	6	1	16
Pin Oak (*a*)	6	0	1	7	7	1	2	5	0	29	----	----	----	----	----	----	----	----	----
Washington	15	0	0	0	13	0	1	0	0	29	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	10	3	0	4	6	20	11	24	9	87	2	1	0	2	3	6	26	13	53
KENTUCKY—																			
Billardsville	9	3	1	3	7	25	29	10	0	87	0	0	1	1	0	2	1	2	7
Danville	3	5	2	6	2	20	35	14	0	87	3	1	0	1	2	12	26	11	56
Millersburg	8	1	7	5	9	5	17	25	0	77	----	----	----	----	----	----	----	----	----
Paris	0	6	0	6	3	37	20	14	0	86	1	1	0	0	4	6	28	0	40
Springdale	3	6	4	0	6	28	13	10	17	87	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	2	3	3	6	3	28	20	13	2	80	2	2	0	4	0	33	26	11	78
Cheviot	5	2	8	7	5	24	29	7	0	87	0	1	0	0	0	0	0	0	1
Cincinnati, [Harper]	5	9	0	0	9	22	45	6	0	87	0	0	0	0	0	0	0	1	1
Cincinnati, [Telegraph]	12	30	3	24	6	39	57	3	0	174	----	----	----	----	----	----	----	----	----
Cincinnati, [Lea]	13	7	5	10	8	41	30	17	43	174	----	----	----	----	----	----	----	----	----
Cleveland	9	4	0	5	30	10	14	8	1	81	1	0	0	0	0	3	37	8	49
College Hill	5	6	6	5	2	8	16	26	19	87	1	3	0	0	0	0	5	2	11
Dayton	5	5	0	2	0	20	17	9	0	58	----	----	----	----	----	----	----	----	----
Gallipolis	6	2	2	6	11	7	3	10	0	41	----	----	----	----	----	----	----	----	----
Germantown, [Groneweg]	7	6	4	24	10	21	0	3	1	76	1	1	4	11	1	22	1	9	50
Granville	1	3	1	0	0	21	24	0	29	79	0	1	0	0	0	5	8	0	14
Hillsborough	1	9	0	5	2	28	2	11	0	58	0	0	0	0	0	3	3	4	10
Hiram	3	1	0	0	19	33	4	14	13	87	1	1	0	0	9	32	9	10	62
Oberlin	3	6	2	11	11	19	12	18	0	83	0	0	0	0	0	4	27	6	37
Portsmouth	3	37	18	15	4	2	1	7	0	87	0	4	36	10	1	1	1	1	54
Savannah	3	2	0	15	2	27	4	31	0	87	2	2	0	13	2	16	4	22	61
Unionville	0	3	1	5	8	41	15	10	4	87	0	0	0	0	0	33	29	11	73

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Urbana	1	2	1	2	3	34	6	15	0	64	2	0	1	0	1	5	27	16	52
MICHIGAN—																			
Ann Arbor, [Winchell]	6	4	0	5	10	18	17	13	12	85	0	0	0	1	1	13	47	10	72
Ann Arbor, [Woodruff]	1	6	1	7	1	26	21	12	12	87	0	0	0	1	1	6	25	15	48
Battle Creek	1	2	7	5	8	17	30	12	5	87	0	0	0	0	1	6	50	11	68
Cooper	3	0	3	3	9	2	47	5	14	86	0	0	3	3	3	1	32	2	44
Grand Rapids	6	8	0	2	0	27	13	13	17	86	0	0	0	0	0	1	4	3	8
Monroe, [Whelpley]	4	6	0	4	10	18	7	37	0	86	3	3	0	1	10	9	4	33	63
Romeo (*a*)	2	5	0	1	8	47	9	12	3	87	1	0	0	0	0	2	13	5	21
St. James	0	0	5	1	3	18	31	17	8	83	0	0	0	0	1	13	13	10	37
Saugatuck	4	4	15	3	4	13	28	16	0	87	2	1	0	1	2	16	54	28	104
INDIANA—																			
New Harmony	2	1	6	7	6	7	12	18	0	59	0	0	0	0	0	0	2	0	2
ILLINOIS—																			
Athens	3	4	2	19	4	14	13	19	0	78	0	0	0	0	0	2	13	12	27
Augusta	2	13	2	9	7	16	25	13	0	87	1	1	0	1	0	1	3	0	7
Manchester (*a*)	13	5	1	2	11	14	27	14	0	87	1	1	0	0	5	1	18	3	29
Ottawa (*a*)	4	12	1	2	2	12	24	16	6	79	0	1	0	0	1	3	1	4	10
Upper Alton	0	19	10	5	0	10	19	26	0	89	----	----	----	----	----	----	----	----	----
West Salem	7	4	4	4	12	5	12	18	6	72	1	0	0	0	0	9	24	5	39
MISSOURI—																			
Hannibal (*a*)	4	25	0	5	3	37	0	13	0	87	0	5	0	9	0	2	0	0	16
St. Louis	1	7	3	17	7	18	20	14	0	87	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	0	7	0	0	0	55	2	23	0	87	----	----	----	----	----	----	----	----	----
Beloit	9	1	6	11	9	14	18	19	0	87	1	0	0	0	0	0	1	2	4
Janesville	5	6	0	4	19	11	31	6	5	87	----	----	----	----	----	----	----	----	----
Kenosha	0	5	2	1	1	16	16	12	33	86	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	3	7	6	0	0	25	20	26	0	87	----	----	----	----	----	----	----	----	----
Platteville	2	3	8	13	9	6	34	12	0	87	2	3	5	9	4	4	20	8	55
Racine, [Seymour]	4	2	1	0	8	1	11	2	0	29	----	----	----	----	----	----	----	----	----
Superior	19	9	0	6	3	7	22	21	0	87	22	8	0	6	3	8	21	19	87
IOWA—																			
Dubuque	6	2	5	2	11	3	6	19	27	81	0	1	0	1	0	1	1	10	14
Fort Madison (*a*)	4	14	0	18	6	8	9	28	0	87	3	1	3	0	1	6	9	23	46
Muscatine	0	16	0	6	1	26	4	34	0	87	0	1	0	0	0	3	0	5	9
Pella	6	5	0	6	22	0	18	30	0	87	----	----	----	----	----	----	----	----	----
Pleasant Plain (*a*)	17	5	5	18	9	17	29	13	0	113	----	----	----	----	----	----	----	----	----
Poultney	5	7	2	5	7	18	15	15	6	80	0	0	0	0	0	1	1	4	6
Quasqueton (*a*)	2	5	3	8	1	13	4	30	0	66	0	0	0	0	0	1	3	1	5
MINNESOTA—																			
Hazlewood	4	0	0	5	8	15	13	42	0	87	0	0	0	0	9	1	13	3	26
CALIFORNIA—																			
Sacramento	23	3	6	12	5	4	4	30	0	87	0	1	0	8	1	8	1	10	29
San Francisco	9	1	0	0	2	0	26	13	36	87	9	1	1	1	7	7	15	5	46
Stockton	1	2	0	8	1	11	0	10	0	33	----	----	----	----	----	----	----	----	----
MEXICO—																			
Mexico city	3	6	3	24	24	13	9	3	2	87	2	0	5	2	0	0	0	0	9
WEST INDIES—																			
Up Park Camp, Jamaica (*a*)	2	3	3	46	0	0	0	4	0	58	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Cathar'a Sophia, Sur'm (*a*)	0	74	9	4	0	0	0	0	0	87	9	42	24	14	1	0	1	0	91

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	9	12	0	2	6	22	16	26	0	93	0	2	0	0	1	2	53	12	70
Red River Settlement	19	0	1	3	34	7	10	13	2	89	8	0	0	3	9	16	1	19	56
St. John's (*a*)	8	11	2	2	8	16	10	15	0	72	----	----	----	----	----	----	----	----	----
St. Martin	0	11	1	6	0	36	9	30	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	1	8	0	7	12	10	39	3	13	93	----	----	----	----	----	----	----	----	----
Toronto (*a*)	2	7	1	4	2	22	7	45	3	93	----	----	----	----	----	----	----	----	----
Wolfville	0	3	4	3	0	3	34	34	8	89	2	1	6	2	0	2	27	18	58
MAINE—																			
Carmel	0	2	1	0	0	12	11	41	18	85	0	2	0	0	0	9	6	15	32
Cornish (*a*)	11	4	1	2	0	0	2	16	0	36	0	1	0	0	0	0	0	0	1
Fryeburg	5	4	0	4	2	8	10	26	0	59	1	4	0	0	0	5	8	29	47
Gardiner	----	----	----	----	----	----	----	----	----	----	2	2	0	2	2	6	3	15	32
Perry	0	4	2	5	0	14	3	65	0	93	1	2	2	1	0	2	7	21	36
Portland	10	6	5	4	5	3	27	32	0	92	6	3	0	0	4	3	9	11	36
Steuben	5	17	0	2	1	17	4	44	0	90	6	6	0	1	1	9	18	12	53
NEW HAMPSHIRE—																			
Barnstead	0	2	0	2	1	6	15	67	0	93	2	9	16	27	0	0	0	1	55
Concord	2	4	0	11	0	18	3	55	0	93	----	----	----	----	----	----	----	----	----
Londonderry	0	0	1	1	0	2	0	43	45	92	----	----	----	----	----	----	----	----	----
Manchester	10	0	1	4	4	6	20	47	0	92	4	0	3	3	3	5	27	12	57
Stratford (*a*)	2	5	5	1	2	3	16	26	0	60	4	2	1	0	0	6	16	24	53
VERMONT—																			
Brandon	24	1	2	7	19	2	24	12	2	93	3	1	0	0	0	1	10	23	38
Burlington	16	8	3	7	28	0	25	6	0	93	2	0	0	0	0	0	4	0	6
Craftsbury	1	11	2	4	9	14	14	38	0	93	0	7	0	0	1	5	18	16	47
Norwich	1	0	0	2	1	0	3	8	4	19	0	0	0	0	0	0	2	5	7
Shelburn	23	2	0	4	28	1	9	26	0	93	11	0	16	10	6	0	0	2	45
MASSACHUSETTS—																			
Amherst	1	1	0	18	0	6	3	59	1	89	0	2	0	0	0	2	6	29	39
Boston	0	1	0	2	1	4	8	12	3	31	----	----	----	----	----	----	----	----	----
Cambridge (*a*)	7	1	2	2	1	15	34	13	9	84	----	----	----	----	----	----	----	----	----
Mendon	1	5	4	1	3	36	7	36	0	93	0	5	1	1	2	33	8	10	93
Nantucket	7	6	3	3	4	11	13	45	1	93	----	----	----	----	----	----	----	----	----
New Bedford	2	11	0	6	2	9	14	48	1	93	1	4	0	0	0	1	5	14	25
Newburyport	10	2	3	4	5	4	29	32	0	89	0	0	0	0	0	1	0	0	1
North Attleborough	7	5	3	1	10	12	30	25	0	93	2	1	7	0	7	4	19	12	52
Princeton	2	8	5	2	0	2	45	29	0	93	1	6	1	2	0	1	25	14	50
Richmond	0	9	0	7	2	14	0	60	0	92	1	5	1	6	3	10	0	40	66
Southwick (*a*)	3	10	0	0	4	8	9	25	1	60	2	3	0	0	0	6	13	5	29
Springfield	5	3	0	0	0	8	3	50	0	69	4	2	0	0	0	3	3	35	47
Taunton	8	4	3	1	1	13	21	42	0	93	4	5	2	1	1	11	10	13	47
Westfield	5	8	5	4	4	8	46	10	0	90	----	----	----	----	----	----	----	----	----
Williamstown (*a*)	1	0	3	6	2	6	30	34	0	82	2	0	0	0	0	1	12	21	36
Worcester	17	1	1	1	3	8	49	13	0	93	4	1	1	0	0	0	2	4	12
RHODE ISLAND—																			
Aquidneset (*a*)	2	1	0	0	4	5	10	13	0	35	----	----	----	----	----	----	----	----	----
Providence (*a*)	2	8	3	4	3	10	12	50	1	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	21	24	3	5	5	11	11	13	0	93	2	13	19	8	2	2	0	1	47
New London	5	10	2	2	2	15	25	32	0	93	0	0	1	0	1	0	0	0	7
Norwich	3	6	0	4	3	19	26	10	18	89	----	----	----	----	----	----	----	----	----
Pomfret	2	11	1	2	6	8	2	61	0	93	1	9	1	2	2	6	8	26	55
Saybrook	10	6	2	3	1	14	28	23	0	87	3	0	3	0	1	0	12	11	33
NEW YORK—																			
Angelica	4	2	2	2	0	39	41	3	0	93	1	0	0	0	0	29	27	0	57
Baldwinsville	3	3	1	4	1	3	15	58	0	88	0	1	0	0	0	0	17	43	61
Beverly	11	8	0	7	3	31	5	25	2	92	4	2	0	5	5	13	20	11	60
Blackwell's Island	20	9	3	1	5	11	25	16	0	93	17	7	1	1	4	14	23	14	81
Canton	3	12	0	0	1	18	8	9	0	81	1	10	0	0	2	26	5	8	52
Clinton	0	0	8	0	3	6	76	0	0	93	----	----	----	----	----	----	----	----	----

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No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Eden	3	6	2	3	10	40	17	12	0	93	2	1	0	0	0	14	38	5	60
Fishkill Landing	2	24	0	10	6	28	4	19	0	93	2	4	3	1	1	0	20	11	42
Flatbush	9	3	6	2	3	6	36	28	0	93	2	2	0	0	1	6	16	13	40
Geneva	1	2	2	4	11	13	42	11	7	93	0	0	0	0	0	2	32	8	42
Liberty	5	3	5	7	0	1	21	49	2	93	0	0	1	2	0	0	0	3	6
Lodi	3	0	0	10	8	5	37	26	4	93	1	0	0	0	0	1	23	10	35
Madrid (*a*)	0	7	0	0	0	21	4	14	4	50	0	0	0	0	0	25	3	4	32
Mexico	8	0	6	15	6	13	25	20	0	93	0	3	0	0	1	1	30	5	40
Morrisania	6	8	2	3	4	14	30	26	0	93	----	----	----	----	----	----	----	----	----
New York city	1	8	1	0	0	10	26	47	0	93	0	2	2	0	0	4	34	21	63
North Salem	1	4	3	11	12	12	14	36	0	93	----	----	----	----	----	----	----	----	----
Ogdensburg	3	2	1	0	0	14	2	9	0	31	----	----	----	----	----	----	----	----	----
Oswego	6	1	5	8	3	17	36	3	0	79	----	----	----	----	----	----	----	----	----
Ovid	2	3	2	3	9	12	47	14	1	93	6	0	0	4	5	9	33	28	85
Penn Yan (*a*)	1	1	1	2	2	32	46	8	0	93	----	----	----	----	----	----	----	----	----
Plattsburgh	24	2	0	4	17	5	10	30	0	92	12	0	1	3	16	4	17	23	76
Rochester, [Harkness]	4	2	1	0	4	3	45	14	20	93	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	2	1	2	3	3	31	32	14	0	88	1	0	0	0	0	1	18	10	30
Sag Harbor	4	8	5	1	8	12	26	28	0	92	1	3	2	0	3	7	29	7	52
Smithville	2	7	3	5	14	20	35	7	0	93	3	2	0	0	5	12	40	15	77
Spencertown	12	0	0	1	4	15	14	47	0	93	2	0	0	1	0	3	19	40	65
Wampsville	0	0	5	4	8	4	70	2	0	93	0	0	6	5	6	5	64	1	87
Watertown	0	18	1	8	0	57	9	0	0	93	0	14	0	4	0	45	2	1	66
NEW JERSEY—																			
Bloomfield	0	11	0	8	1	56	10	7	0	93	1	0	0	1	0	6	1	3	12
Burlington	4	12	2	0	2	13	44	12	4	93	0	8	0	0	1	2	14	3	28
Lambertville	2	8	1	5	3	12	3	49	0	83	----	----	----	----	----	----	----	----	----
Newark (*a*)	5	5	2	0	2	16	14	19	0	63	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	0	4	0	12	7	52	0	75	0	0	0	5	0	11	8	29	53
Cannonsburg	0	1	2	0	0	0	28	0	0	31	----	----	----	----	----	----	----	----	----
Carlisle	0	5	0	2	1	22	9	35	19	93	0	0	0	0	0	8	7	17	32
Chromedale	6	11	2	5	2	3	6	43	8	86	2	1	1	1	0	3	21	20	49
Easton	0	3	0	3	1	2	25	27	15	76	0	1	0	0	0	0	22	5	28
Gettysburg	10	12	1	2	2	21	17	24	3	92	1	1	0	0	0	4	37	19	62
Harrisburg	2	2	2	11	7	0	10	51	0	85	0	0	1	4	1	0	10	12	28
Lewisburg	3	12	4	4	8	6	35	14	7	93	2	1	0	0	0	3	26	15	47
Meadville	1	0	1	4	9	14	11	19	34	93	0	0	1	1	2	18	20	6	48
Morrisville	2	7	2	3	1	18	20	34	0	87	1	5	1	1	0	19	15	20	62
Moss Grove	1	5	4	4	9	11	32	19	4	89	1	1	5	2	0	10	44	5	68
Nazareth	8	4	3	3	4	10	34	27	0	93	12	0	0	0	0	3	12	9	36
Norristown	2	6	6	0	1	0	44	19	0	78	0	2	3	0	0	3	38	6	52
North Whitehall	2	0	0	0	0	0	3	8	0	13	----	----	----	----	----	----	----	----	----
Philadelphia	3	6	2	1	1	16	41	23	0	93	0	2	0	0	0	3	12	2	19
Pocopson	3	1	3	2	0	16	49	17	0	91	1	0	0	0	0	1	19	4	25
West Haverford	1	1	1	1	1	9	12	22	2	50	2	2	0	1	0	3	18	11	37
DELAWARE—																			
Newark (*a*)	0	0	3	1	0	0	8	9	0	21	----	----	----	----	----	----	----	----	----
MARYLAND—																			
Annapolis, [Zumbrock] (*a*)	0	8	3	11	0	8	14	45	1	90	1	0	0	0	1	2	7	1	12
Bladensburg (*a*)	0	8	3	1	1	6	3	25	0	47	----	----	----	----	----	----	----	----	----
Frederick	10	6	1	0	1	11	23	29	9	93	1	0	0	0	1	2	35	8	47
Sykesville	6	7	1	13	1	10	28	27	0	93	1	2	1	0	0	1	58	3	66
DISTRICT OF COLUMBIA—																			
Washington	0	8	3	4	0	5	0	39	0	59	0	0	0	0	0	2	0	0	2
VIRGINIA—																			
Alexandria	1	6	6	4	10	14	8	44	0	93	----	----	----	----	----	----	----	----	----
Berryville	3	6	11	2	1	10	16	28	0	77	0	1	1	0	5	8	16	4	35
Buffalo	7	0	0	0	1	25	4	31	12	80	1	0	0	0	0	4	22	9	36
Crichton's Store (*a*)	20	6	4	3	15	27	8	8	1	92	1	2	0	0	0	36	26	0	65

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Garysville (*a*)	4	3	2	2	10	12	18	7	0	58	----	----	----	----	----	----	----	----	----
Kanawha (*a*)	0	0	0	0	2	10	9	10	0	31	----	----	----	----	----	----	----	----	----
Lewisburg	0	0	0	0	0	0	8	3	0	11	1	0	0	0	0	0	31	3	35
Trout Run Valley	25	21	2	2	0	10	10	23	0	93	6	29	2	2	0	0	0	0	39
Winchester	0	0	3	1	0	5	39	5	40	93	0	0	0	0	0	0	3	0	3
NORTH CAROLINA—																			
Chapel Hill	15	7	1	4	6	9	31	14	0	87	1	4	0	0	1	26	11	2	45
Goldsborough	6	15	2	3	14	25	11	4	6	86	3	10	1	0	3	21	12	1	51
SOUTH CAROLINA—																			
All Saints	13	8	1	11	6	34	15	5	0	93	5	3	0	3	0	25	19	4	59
Camden	3	18	0	4	1	15	25	25	1	92	0	10	0	0	1	7	20	13	51
Charleston, [Johnson]	0	6	2	0	2	1	7	13	0	31	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	2	13	1	8	0	26	3	9	0	62	----	----	----	----	----	----	----	----	----
Edisto Island	7	21	1	4	6	15	12	15	4	85	3	3	0	0	1	14	15	2	38
St. John's	0	13	1	7	1	22	0	18	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	7	4	9	10	6	9	22	26	0	93	0	0	0	0	2	5	8	1	16
Sparta	2	11	6	6	0	22	8	37	0	92	0	5	0	1	0	6	18	10	40
Thomaston	15	9	3	8	2	16	4	36	0	93	0	0	0	0	0	1	0	0	1
Whitemarsh Island	2	12	3	6	9	6	13	22	4	77	0	4	0	1	1	5	17	11	39
Zebulon	0	0	12	0	0	0	7	0	0	19	----	----	----	----	----	----	----	----	----
FLORIDA—																			
Atsena	9	17	3	4	9	10	18	14	9	93	5	2	3	0	0	18	10	4	42
Gainsville (*a*)	5	13	6	2	0	26	14	26	0	92	3	8	2	3	0	22	13	11	62
Jacksonville	1	20	4	6	2	24	4	30	2	93	3	2	8	0	0	23	29	2	67
Salt Ponds	17	6	6	8	9	3	0	11	2	62	----	----	----	----	----	----	----	----	----
Warrington (*a*)	2	15	3	6	1	16	7	14	2	66	2	13	6	7	2	6	3	5	44
ALABAMA—																			
Auburn	4	11	9	5	7	14	19	21	0	90	1	6	5	6	3	15	21	7	64
MISSISSIPPI—																			
Columbus	9	17	4	5	2	11	9	32	0	89	1	1	0	0	0	5	20	15	42
Oxford	11	17	8	4	11	9	8	25	0	93	2	4	0	0	1	13	22	9	51
LOUISIANA—																			
New Orleans (*a*)	0	47	0	16	0	12	0	18	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	20	18	1	13	14	14	5	8	0	93	16	13	0	8	14	22	6	9	88
New Braunfels	21	9	9	7	15	5	6	8	0	80	1	0	0	0	2	5	0	2	10
Pin Oak (*a*)	6	0	1	9	6	1	2	6	0	31	----	----	----	----	----	----	----	----	----
Washington	8	0	0	0	23	0	0	0	0	31	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	34	11	4	0	2	12	6	21	3	93	5	4	2	0	0	2	23	20	56
Knoxville	11	15	6	2	9	22	15	8	0	88	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Ballardsville	10	6	1	3	7	23	16	27	0	93	0	0	0	0	0	10	4	5	19
Danville	6	11	0	0	1	16	19	40	0	93	1	1	2	0	0	5	28	25	62
Paris	2	15	0	2	0	23	14	36	0	92	1	0	1	1	1	6	30	1	41
Springdale	8	11	2	2	1	20	7	25	0	76	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	3	7	2	6	6	19	23	14	0	80	1	3	1	0	1	29	21	17	73
Cheviot	11	5	10	1	3	17	28	12	0	87	0	1	0	0	0	1	0	0	2
Cincinnati, [Harper]	3	14	1	8	0	19	26	21	0	92	0	0	0	0	0	0	1	0	1
Cincinnati, [Telegraph]	2	6	0	1	0	9	3	9	1	31	----	----	----	----	----	----	----	----	----
Cleveland	12	3	1	9	9	12	14	22	1	83	0	0	0	0	0	2	32	7	41
College Hill	6	15	0	4	0	4	20	35	9	93	3	4	0	0	1	3	8	11	30
Dayton, [C. F. Sem.]	4	13	2	0	0	19	9	15	0	62	----	----	----	----	----	----	----	----	----
Franklin (*a*)	0	2	0	0	1	19	5	4	0	31	----	----	----	----	----	----	----	----	----
Gallipolis	13	8	4	1	8	8	14	22	0	78	----	----	----	----	----	----	----	----	----
Germantown, [Groneweg]	23	17	1	9	1	24	0	11	1	87	1	7	0	4	0	21	5	14	52
Granville	3	9	1	0	0	14	30	2	25	84	1	1	0	0	0	7	23	1	33
Hillsborough	0	24	0	2	1	25	5	36	0	93	0	2	0	0	1	11	4	16	34

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued—																			
Hiram	15	3	1	0	7	24	19	23	1	93	1	1	1	0	0	8	28	16	55
Jefferson	0	4	2	6	5	35	11	30	0	93	1	2	2	3	1	22	9	29	69
Oberlin	7	5	1	2	7	17	22	20	9	90	0	1	0	0	0	0	41	6	48
Portsmouth (*a*)	6	21	17	25	10	7	4	3	0	93	0	0	37	7	0	0	0	0	44
Savannah	11	4	0	1	0	12	3	61	0	92	11	1	0	0	0	14	10	13	49
Unionville	4	10	1	1	3	24	30	13	7	93	2	1	0	1	1	13	49	5	72
Urbana	2	10	1	2	3	17	10	20	0	65	2	0	0	0	0	3	35	14	54
Zanesville, [Holston]	5	2	0	0	1	28	17	40	0	93	----	----	----	----	----	----	----	----	----
Michigan—																			
Ann Arbor, [Woodruff]	6	7	1	0	2	20	15	21	18	90	1	4	0	0	0	10	24	19	58
Ann Arbor, [Winchell]	8	5	0	1	6	5	38	16	14	93	0	5	0	0	0	9	26	24	64
Battle Creek	6	8	5	2	2	11	34	16	9	93	1	0	0	0	1	1	49	12	64
Cooper	8	1	3	0	2	1	52	0	26	93	3	1	3	0	1	1	25	0	34
Detroit	13	12	7	1	3	18	31	8	0	93	7	2	0	0	0	10	30	9	58
Grand Rapids, [Currier]	2	10	2	4	4	29	11	7	24	93	0	0	0	0	0	7	5	2	14
Monroe	3	10	4	0	3	8	12	53	0	93	2	6	3	2	0	10	5	60	88
Romeo (*a*)	7	10	3	0	7	17	27	20	1	92	2	1	0	0	0	3	20	7	33
St. James	0	3	7	3	2	26	21	24	5	91	0	0	2	0	0	8	16	11	37
Saugatuck	0	4	11	3	5	10	30	30	0	93	3	1	0	2	1	13	46	26	92
Indiana—																			
New Harmony	17	4	6	2	11	5	11	21	0	77	2	0	0	0	0	0	23	4	29
Richmond	3	14	1	0	0	15	15	11	34	93	----	----	----	----	----	----	----	----	----
Illinois—																			
Athens	1	14	3	5	4	10	8	38	0	83	0	1	0	0	0	5	27	24	57
Augusta	9	10	6	1	12	15	23	14	3	93	3	6	2	0	2	3	22	9	47
Manchester (*a*)	11	8	1	0	8	9	24	32	0	93	4	2	0	0	1	2	25	17	51
Ottawa (*a*)	9	8	1	4	0	10	19	34	0	85	1	1	0	0	1	6	6	14	29
Peoria (*a*)	13	4	7	4	11	4	16	10	0	69	----	----	----	----	----	----	----	----	----
Upper Alton	0	19	0	5	0	11	12	19	0	66	0	21	0	7	0	10	16	30	84
West Salem	14	9	4	1	12	6	9	22	16	93	0	0	0	0	0	19	42	10	71
Missouri—																			
Rocheport	5	8	5	4	3	6	8	13	0	52	----	----	----	----	----	----	----	----	----
St. Louis	10	12	5	8	3	14	17	24	0	93	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	0	13	0	0	0	50	3	27	0	93	----	----	----	----	----	----	----	----	----
Beloit	20	9	0	5	12	20	11	16	0	93	4	0	0	0	2	0	7	1	14
Janesville	9	12	0	7	6	15	21	16	7	93	----	----	----	----	----	----	----	----	----
Kenosha	0	8	7	0	0	20	7	14	32	88	----	----	----	----	----	----	----	----	----
Madison	8	2	4	5	8	4	36	23	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	20	5	10	1	14	15	27	0	93	----	----	----	----	----	----	----	----	----
Norway	3	10	10	0	2	20	34	8	6	93	1	7	3	0	1	8	27	12	59
Platteville	5	8	3	7	5	10	37	18	0	93	3	7	2	1	5	7	30	9	64
Racine, [Seymour]	10	0	0	0	3	2	15	0	1	31	----	----	----	----	----	----	----	----	----
Superior	19	3	17	2	11	10	19	12	0	93	18	4	16	2	11	10	20	12	93
Waukesha	6	6	2	2	3	17	11	19	6	72	0	3	13	7	3	2	2	0	30
Iowa—																			
Dubuque	7	2	0	0	9	13	36	22	0	89	0	3	6	3	3	7	2	2	26
Fort Madison (*a*)	6	14	7	13	0	8	4	41	0	93	3	0	3	0	0	2	30	19	57
Muscatine	0	6	0	4	2	28	3	50	0	93	0	2	0	0	0	15	2	14	33
Pella	2	1	3	10	15	2	18	42	0	93	----	----	----	----	----	----	----	----	----
Pleasant Plain	13	3	8	6	10	7	45	32	0	124	----	----	----	----	----	----	----	----	----
Poultney	2	1	5	4	5	20	31	16	0	84	1	0	0	1	1	6	12	5	26
Quasqueton	6	1	5	9	2	10	7	40	0	80	0	0	0	0	0	0	2	4	6
Minnesota—																			
Hazlewood	12	1	4	1	17	7	13	34	0	89	1	0	5	0	1	0	8	4	19
California—																			
Sacramento	13	8	6	20	3	14	8	21	0	93	0	2	0	14	4	15	2	6	43
Stockton	0	0	0	3	1	7	0	15	0	26	----	----	----	----	----	----	----	----	----

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MEXICO—																			
Mexico city	0	1	3	34	41	14	0	0	0	93	1	5	7	0	0	0	1	0	14
WEST INDIES—																			
Up Park Camp, Jamaica	3	6	1	50	0	0	0	2	0	62	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Cath'na Sophia, Sur'am(*a*)	0	91	0	2	0	0	0	0	0	93	0	43	34	13	2	0	3	0	95

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	14	17	0	11	8	17	14	9	0	90	0	6	0	0	0	13	31	12	62
Red River Settlement	27	9	0	8	31	4	1	5	0	85	5	12	0	11	6	7	3	15	59
St. John's (a)	15	9	1	2	5	17	12	29	0	90	----	----	----	----	----	----	----	----	----
St. Martin	2	26	1	10	3	40	2	6	0	90	----	----	----	----	----	----	----	----	----
Toronto (a)	6	11	5	16	2	16	0	17	17	90	----	----	----	----	----	----	----	----	----
Wolfville	0	14	8	3	2	11	18	15	15	86	0	6	10	1	3	8	12	7	47
MAINE—																			
Carmel	0	8	0	0	0	4	5	32	21	70	0	5	0	0	0	3	5	13	26
Cornish	11	12	3	2	5	8	16	30	0	87	4	1	0	0	0	0	0	0	5
Fryeburg	0	12	5	1	3	19	10	9	0	59	0	3	1	1	3	4	9	17	38
Gardiner	4	20	1	9	8	11	10	19	2	84	0	3	0	0	0	4	0	1	8
Perry	0	21	2	7	4	40	2	14	0	90	2	12	1	2	1	13	8	7	46
Portland	7	12	18	1	24	7	11	10	0	90	3	0	1	1	3	2	10	4	24
Steuben	2	20	6	2	0	45	3	12	0	90	9	10	1	1	0	14	5	6	46
NEW HAMPSHIRE—																			
Barnstead	0	10	1	2	0	20	19	38	0	90	2	14	17	11	4	5	0	3	56
Concord	2	10	2	22	0	16	4	34	0	90	----	----	----	----	----	----	----	----	----
Londonderry	0	8	3	6	3	6	8	10	46	90	0	12	1	0	0	1	7	6	27
Manchester (a)	4	6	3	12	3	11	8	15	0	62	0	6	3	8	0	8	16	0	41
Stratford	0	3	10	4	6	10	5	13	0	51	1	0	4	1	3	2	18	13	42
VERMONT—																			
Brandon	16	0	2	4	30	13	9	15	1	90	2	1	1	3	3	3	15	18	46
Burlington	32	0	2	5	43	1	3	4	0	90	1	0	0	0	1	1	2	0	5
Craftsbury	2	17	6	10	25	10	9	11	0	90	7	1	1	4	1	1	21	14	50
Shelburn	23	3	0	1	49	2	0	10	0	88	6	4	17	13	2	2	0	0	44
MASSACHUSETTS—																			
Amherst	2	6	1	24	3	11	2	35	0	84	0	8	0	3	1	6	7	14	39
Boston	10	39	16	8	6	32	21	48	0	180	----	----	----	----	----	----	----	----	----
Bridgewater (a)	3	27	3	5	1	28	5	18	0	90	3	28	2	5	2	28	5	17	90
Cambridge (a)	3	11	8	0	2	23	11	13	13	84	----	----	----	----	----	----	----	----	----
Mendon	0	9	6	2	5	46	8	14	0	90	0	10	7	2	5	44	8	14	90
Nantucket	11	12	2	9	7	33	3	9	4	90	----	----	----	----	----	----	----	----	----
New Bedford	3	18	2	9	5	32	3	15	0	87	1	1	0	0	0	2	6	7	17
Newburyport	4	11	10	5	9	7	21	15	0	82	----	----	----	----	----	----	----	----	----
North Attleborough	20	15	1	6	18	8	11	11	0	90	7	8	3	3	10	6	18	5	60
Princeton	4	20	9	6	6	8	28	9	0	90	0	14	6	2	1	5	20	2	50
Richmond	2	16	0	7	3	33	0	29	0	90	1	11	0	4	2	31	0	15	64
Springfield	3	13	1	1	1	13	9	17	32	90	0	12	0	0	0	5	9	13	39
Westfield	5	9	16	9	9	8	25	9	0	90	----	----	----	----	----	----	----	----	----
Williamstown	2	2	8	15	6	14	12	17	1	77	2	2	2	2	0	6	7	5	26
Worcester	21	4	5	1	9	25	10	15	0	90	1	0	0	0	2	0	8	1	12
RHODE ISLAND—																			
Acquidneset (a)	2	7	1	3	9	14	4	13	3	56	0	3	0	2	1	3	1	13	23
Providence (a)	4	24	2	4	7	24	4	20	0	89	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	9	20	9	9	16	12	10	5	0	90	4	13	11	3	4	6	1	1	43
New London	9	7	1	18	10	28	2	15	0	90	----	----	----	----	----	----	----	----	----
Norwich	0	10	4	22	0	13	18	1	20	88	----	----	----	----	----	----	----	----	----
Pomfret	3	19	0	5	11	21	2	29	0	90	0	11	0	2	7	18	6	13	57
Saybrook	10	7	8	7	9	19	4	6	13	83	1	4	2	0	4	3	6	5	25
Wallingford (a)	10	5	2	4	5	23	3	9	14	75	2	8	1	1	2	3	17	8	42
NEW YORK—																			
Angelica	3	8	2	7	7	22	24	17	0	90	0	0	0	0	1	30	19	2	52
Baldwinsville	4	8	12	6	7	9	12	24	0	82	1	1	0	1	1	1	30	23	58
Beverly	12	12	0	6	11	36	0	12	1	90	3	9	2	2	15	16	9	4	60
Blackwell's Island	14	12	10	8	22	11	5	8	0	90	12	6	4	3	14	8	5	6	58
Canton	3	19	1	3	3	51	2	8	0	90	3	9	0	0	1	40	4	4	61
Eden	5	12	0	6	23	30	9	4	1	90	2	6	0	0	3	19	21	2	53
Fishkill	1	24	1	27	7	12	11	5	2	90	0	2	1	5	2	4	22	1	37
Flatbush	10	8	6	9	20	11	7	19	0	90	1	4	0	1	0	8	13	15	42

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Geneva	5	3	3	5	23	5	20	8	18	90	0	0	1	0	1	5	29	8	44
Liberty	5	9	13	12	2	12	17	13	4	87									
Lodi	16	0	3	11	16	19	6	17	1	89	3	1	0	1	2	9	23	3	42
Mexico	6	9	15	22	9	4	20	5	0	90	5	0	11	1	3	0	0	0	20
Morrisania	5	8	8	8	12	20	18	11	0	90									
New York	4	10	4	25	4	17	5	21	0	90	0	2	7	6	2	14	24	12	67
North Salem	8	9	2	10	21	17	4	19	0	90									
Ogdensburg	6	6	0	0	3	14	2	3	0	34									
Oswego	3	12	5	10	28	2	22	0	8	90									
Ovid	11	3	2	5	23	18	14	12	2	90	11	1	0	3	12	23	18	7	75
Penn Yan (*a*)	3	10	0	0	23	29	22	3	0	90									
Rochester, [Harkness]	3	9	3	0	3	0	23	0	49	90									
Rochester, [Pratt]	8	10	3	4	15	16	26	8	0	90	2	0	2	0	4	5	20	11	44
Sag Harbor	8	10	6	7	25	13	14	7	0	90	3	6	0	1	5	11	20	0	46
Smithville	2	13	7	4	22	25	17	0	0	90	2	10	3	1	9	16	26	1	68
Spencertown	10	4	1	7	22	17	8	21	0	90	4	1	1	4	4	17	10	22	63
Wampsville	0	4	5	18	19	9	35	0	0	90	0	4	5	15	17	8	28	0	77
Watertown	0	29	0	0	3	51	7	0	0	90	0	27	0	0	2	29	8	0	66
NEW JERSEY—																			
Bloomfield	1	12	2	12	6	25	3	13	0	74									
Burlington, [Frost]	7	13	5	3	12	15	15	3	10	83	1	10	2	0	3	5	7	0	28
Lambertville	1	7	2	12	3	25	2	27	0	79									
Newark (*a*)	5	10	0	13	6	10	3	11	2	60									
PENNSYLVANIA—																			
Bedford (*b*	0	0	0	1	3	20	2	25	0	51	0	0	0	0	3	17	4	15	39
Carlisle	2	10	8	4	2	17	11	14	21	89	1	9	2	5	3	8	16	8	52
Chromedale	8	15	5	13	10	9	3	13	14	90	4	5	0	2	4	6	28	8	57
Easton	5	6	4	5	14	4	11	14	27	90	1	7	0	1	2	6	14	9	40
Gettysburg	15	4	1	0	9	25	13	16	7	90	7	4	0	1	1	5	35	14	67
Harrisburg	3	4	6	16	14	2	8	32	0	85	0	2	0	5	6	0	4	14	31
Lewisburg	2	14	3	7	11	14	12	7	20	90	5	2	0	2	3	5	9	7	33
Meadville	2	0	0	6	16	6	6	20	33	89	2	3	0	3	2	23	14	8	55
Morrisville	5	8	4	6	6	31	16	8	6	90	1	6	0	2	0	21	24	7	61
Moss Grove	4	6	2	4	19	16	23	9	1	84	1	1	0	1	2	21	37	3	66
Nazareth	20	9	7	5	17	16	10	6	0	90	5	0	1	0	1	3	15	4	29
Norristown	1	1	15	8	2	12	26	13	0	78	1	1	6	1	3	10	29	9	60
North Whitehall	1	0	0	1	0	1	0	4	0	7									
Philadelphia	3	11	6	7	5	31	8	19	0	90	1	2	0	4	0	4	9	5	25
Pocopson	3	9	4	3	7	26	26	10	0	88	4	3	0	0	2	8	12	4	33
West Haverford	4	10	2	3	6	17	6	9	4	61	2	5	1	0	2	7	15	5	37
DELAWARE—																			
Newark, [Martin]	12	3	1	20	7	14	7	17	0	81	9	2	4	0	5	0	6	0	26
MARYLAND—																			
Bladensburg	6	3	2	2	3	11	2	11	0	40									
Frederick	6	17	2	6	7	25	7	14	4	88	6	2	0	2	1	10	21	3	52
Sykesville	5	2	1	20	17	19	13	13	0	90	0	2	3	2	0	3	57	2	69
DISTRICT OF COLUMBIA—																			
Washington	0	7	5	17	3	27	3	23	5	90									
VIRGINIA—																			
Alexandria	9	8	5	14	21	14	5	14	0	90									
Berryville	3	8	1	9	0	9	4	14	9	57	0	0	0	1	9	5	11	5	31
Buffalo	1	0	0	0	0	36	1	13	9	60	0	0	0	0	0	10	31	6	47
Crichton's Store (*b*)	28	7	3	7	30	12	2	1	0	90	4	1	0	0	1	20	30	1	57
Kanawha (*b*)	0	0	0	0	4	4	7	3	12	30									
Lewisburg	0	0	0	0	0	0	4	0	0	4	0	0	0	0	4	3	22	1	30
Mount Solon											1	1	15	1	1	0	0	0	19
Portsmouth	19	8	4	7	16	16	5	13	1	89									
Trout Run Valley	13	10	3	7	39	7	3	4	4	90	0	4	16	13	8	5	0	2	48
Winchester	0	0	0	1	8	2	8	1	59	89									

a Observations taken in the morning and evening.
b For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—																			
Chapel Hill	8	13	10	2	9	20	17	11	0	90	1	2	1	0	0	28	10	5	47
Goldsborough	5	19	2	11	24	9	6	0	7	83	0	3	0	0	17	5	3	0	28
SOUTH CAROLINA—																			
All Saints	9	12	8	7	13	28	9	4	0	90	0	3	0	1	3	22	23	7	59
Camden	3	14	3	11	1	23	15	16	4	90	3	1	0	1	4	14	22	10	55
Charleston, [Johnson]	0	16	3	5	2	11	1	3	0	41	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	5	12	2	12	3	21	0	5	0	60	----	----	----	----	----	----	----	----	----
Edisto Island	6	12	4	8	17	12	6	10	5	80	5	2	0	0	0	11	10	4	32
St. John's	0	10	1	20	0	13	0	16	0	60	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	6	0	15	9	23	8	12	16	0	89	1	0	0	0	2	4	7	2	16
Sparta	3	9	5	15	6	22	8	21	0	89	3	0	1	3	1	13	17	6	44
Thomaston	6	9	3	15	7	7	8	33	0	88	----	----	----	----	----	----	----	----	----
Whitemarsh Island	5	12	5	5	16	13	16	6	12	90	1	3	0	0	2	5	15	11	37
Zebulon	0	0	18	0	0	3	24	17	0	62	0	1	0	0	0	3	6	7	17
FLORIDA—																			
Atsena	2	13	8	6	2	25	11	13	5	85	0	7	2	3	1	11	2	2	28
Gainsville (*b*)	6	7	9	11	2	27	10	18	0	90	----	----	----	----	----	----	----	----	----
Jacksonville	1	28	1	20	9	23	3	5	0	90	11	13	4	3	0	18	4	1	54
Salt Ponds	14	7	22	6	0	1	3	7	0	60	----	----	----	----	----	----	----	----	----
Warrington	0	19	0	27	4	25	3	12	0	90	0	8	2	1	0	9	0	17	37
ALABAMA—																			
Auburn	5	5	0	30	9	21	14	6	0	90	24	12	2	9	5	0	0	2	54
Greene Springs (*b*)	3	3	9	7	12	9	9	5	0	57	0	2	1	1	10	5	4	4	27
MISSISSIPPI—																			
Columbus	5	17	3	23	1	15	1	22	0	87	0	1	0	4	0	18	7	10	40
Oxford	3	7	6	23	11	17	3	20	0	90	2	0	1	3	7	7	4	0	24
TEXAS—																			
Austin	6	13	2	32	17	12	4	4	0	90	2	3	0	29	9	14	9	22	88
New Braunfels	10	1	12	10	37	1	4	3	12	90	0	0	0	0	3	2	2	0	7
Pin Oak (*b*)	3	11	6	7	5	31	8	19	0	90	----	----	----	----	----	----	----	----	----
Washington	6	0	0	0	24	0	0	0	0	30	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	8	4	1	5	28	15	2	8	19	90	0	1	0	2	5	13	20	8	49
KENTUCKY—																			
Ballardsville	7	12	4	4	29	20	3	11	0	90	----	----	----	----	----	----	----	----	----
Danville	11	8	2	12	4	29	8	9	0	83	5	3	1	2	0	19	23	6	59
Paris	4	10	2	10	8	32	5	19	0	90	5	0	0	0	8	13	16	1	43
Springdale	3	5	5	4	4	34	8	8	19	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	3	7	4	8	10	25	13	9	0	79	1	1	0	1	5	46	14	8	76
Cheviot	9	6	11	19	6	16	13	10	0	90	0	0	0	0	0	1	0	0	1
Cincinnati, [Harper]	6	13	0	5	1	24	28	13	0	90	----	----	----	----	----	----	----	----	----
Cincinnati, [Telegraph]	29	17	6	23	24	29	28	24	0	180	----	----	----	----	----	----	----	----	----
Cleveland	16	8	0	21	15	9	10	6	2	87	3	2	0	0	5	18	12	2	42
Dayton, [Fisher]	8	14	2	5	3	28	12	17	0	89	7	7	1	3	0	11	6	12	47
Gallipolis	1	7	1	1	26	11	7	1	0	55	----	----	----	----	----	----	----	----	----
Germantown, [Groneweg]	21	15	3	19	3	14	0	3	0	78	5	9	0	6	1	27	1	7	56
Granville	2	9	2	1	2	21	9	2	35	83	1	0	0	0	0	10	9	1	21
Hillsborough	4	21	1	12	4	31	0	17	0	90	3	1	0	0	0	21	4	16	45
Hiram	14	6	2	2	10	30	5	21	0	90	5	0	1	1	3	21	17	4	52
Jefferson	1	12	0	14	6	24	6	27	0	90	1	5	0	4	0	14	8	17	49
Oberlin	13	8	2	6	13	16	9	10	12	89	2	1	0	0	1	13	31	5	53
Portsmouth (*b*)	0	14	26	9	9	3	6	20	0	87	----	----	----	----	----	----	----	----	----
Savannah	6	2	0	2	0	41	15	24	0	90	4	2	0	2	0	21	16	14	59
Unionville	4	8	6	10	10	18	18	6	9	89	1	1	0	0	0	41	17	6	66
Urbana	2	2	2	14	5	22	7	11	0	65	2	3	0	2	2	20	26	6	61
Zanesville, [Holston]	9	9	2	7	1	20	12	30	0	90	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Ann Arbor, [Woodruff]	5	8	3	12	3	24	7	11	16	89	0	5	2	1	0	13	21	9	51
Ann Arbor, [Winchell]	10	2	4	13	17	6	15	12	10	89	4	6	0	1	4	15	24	8	62

a Observations taken at sunrise and 4 p. m.
b For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Battle Creek	4	10	12	4	5	11	20	6	9	81	4	2	0	1	1	8	42	5	63
Cooper	0	0	6	1	1	0	40	1	38	87	0	0	7	0	0	0	25	1	33
Detroit	6	17	10	0	12	31	13	1	0	90	8	6	1	0	1	15	9	6	46
Grand Rapids, [Currier]	1	20	8	5	2	28	4	2	19	89	1	2	0	0	0	10	5	0	18
Monroe	0	13	13	21	4	4	0	35	0	90	2	18	9	22	3	5	1	28	88
Newark	6	4	23	11	1	15	18	12	0	90	10	1	2	1	6	29	41	11	101
Romeo (*a*)	14	2	8	7	23	11	14	9	0	88	1	1	0	1	3	4	14	5	29
St. James	9	2	9	8	15	25	5	9	4	86	1	0	2	1	2	23	5	6	40
INDIANA—																			
New Albany	8	5	0	6	7	21	11	30	2	90	6	0	0	3	5	18	8	15	55
New Harmony	13	1	6	12	12	10	15	4	1	74	0	0	0	0	3	2	19	2	26
Richmond	1	2	0	5	2	24	15	7	32	88	0	0	0	0	0	0	0	1	1
ILLINOIS—																			
Athens	1	5	0	19	8	19	20	12	0	84	0	1	0	1	0	6	40	6	54
Augusta	2	2	7	19	9	16	27	6	2	90	3	1	2	4	4	7	20	5	46
Manchester (*a*)	6	1	2	3	25	16	21	16	0	90	4	0	0	1	6	16	25	3	55
Marengo (*a*)	4	8	17	5	8	8	19	0	0	69	7	3	5	2	1	0	3	0	21
Ottawa (*a*)	4	10	4	17	12	19	9	7	2	84	2	2	0	0	4	8	6	3	25
Peoria	9	3	7	6	37	10	17	2	0	91	----	----	----	----	----	----	----	----	----
Riley	3	9	2	4	3	13	2	3	0	39	----	----	----	----	----	----	----	----	----
Upper Alton	----	----	----	----	----	----	----	----	----	----	1	9	0	17	11	29	11	13	91
West Salem	8	1	6	11	26	6	7	12	13	90	0	0	0	0	1	24	29	2	56
MISSOURI—																			
Rocheport (*a*)	2	2	1	11	6	6	8	4	0	40	----	----	----	----	----	----	----	----	----
St. Louis	3	2	9	25	7	17	13	14	0	90	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	1	20	2	1	5	39	4	15	0	87	0	21	2	1	5	37	5	11	82
Beloit	14	8	1	11	20	22	4	9	1	90	2	0	0	1	0	6	5	1	15
Janesville	8	13	5	22	10	15	11	2	4	90	----	----	----	----	----	----	----	----	----
Kenosha	3	10	15	8	22	10	15	4	0	87	----	----	----	----	----	----	----	----	----
Madison, [Schue]	4	4	23	11	24	4	14	1	0	85	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	19	13	22	3	14	9	9	0	90	----	----	----	----	----	----	----	----	----
Norway	7	8	8	3	7	13	31	4	7	88	3	1	7	0	2	4	35	8	60
Platteville	8	8	11	24	6	13	6	14	0	90	11	2	2	12	5	19	6	12	69
Racine, [Seymour]	1	9	0	5	3	7	0	5	0	30	----	----	----	----	----	----	----	----	----
Superior	17	23	20	3	3	7	6	11	0	90	17	23	20	3	3	7	6	11	90
Waukesha	4	27	6	7	12	19	8	7	0	90	2	3	5	5	1	6	5	7	34
IOWA—																			
Clinton (*a*)	0	3	5	5	8	10	3	0	5	39	0	0	1	1	0	2	2	0	6
Dubuque	2	1	2	4	35	11	26	2	1	84	0	2	1	3	2	2	6	0	16
Fort Madison (*a*)	6	11	2	24	5	18	2	21	1	90	2	1	0	3	4	15	25	11	61
Muscatine	0	11	0	26	0	34	1	17	0	89	0	3	0	3	0	24	1	11	42
Pleasant Plain	11	4	15	21	17	16	26	10	0	120	----	----	----	----	----	----	----	----	----
Quasqueton (*a*)	1	5	1	16	0	23	1	14	0	61	0	1	0	0	0	3	1	0	5
MINNESOTA—																			
Hazlewood	21	2	8	10	16	8	5	17	1	88	2	0	0	2	0	0	0	0	4
Red Wing	7	3	23	10	10	2	21	7	1	84	1	0	2	2	9	0	5	5	24
CALIFORNIA—																			
Sacramento	14	1	1	17	16	14	11	16	0	90	0	1	3	11	4	15	4	1	39
Stockton	0	0	0	3	1	5	3	9	0	21	----	----	----	----	----	----	----	----	----
MEXICO—																			
City of Mexico	5	0	0	27	35	22	1	0	0	90	1	1	1	1	2	1	29	1	37
SOUTH AMERICA—																			
Catha'a Sophia, Surin'm (*a*)	0	68	12	9	0	1	0	0	0	90	0	44	38	6	0	0	0	0	88

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	18	22	2	4	13	7	5	22	0	93	7	11	2	0	8	5	13	28	74
Red River Settlement (*a*)	16	5	3	5	18	14	7	1	2	71	3	5	1	12	5	15	6	15	62
St John's (*a*)	0	6	0	0	0	0	0	0	0	6	----	----	----	----	----	----	----	----	----
St. Martin	0	30	1	10	6	17	3	26	0	93	----	----	----	----	----	----	----	----	----
Toronto (*a*)	5	21	7	4	1	12	3	32	8	93	----	----	----	----	----	----	----	----	----
Wolfville	3	17	8	8	3	5	21	15	12	92	3	10	2	8	4	10	17	6	60
MAINE—																			
Carmel	0	16	0	13	1	6	6	21	10	73	0	9	0	8	0	1	3	14	35
Cornish	20	14	3	9	3	14	3	26	0	92	0	0	0	0	0	0	2	1	3
Fryeburg	4	12	5	6	2	14	8	9	0	60	1	2	2	4	1	6	8	18	42
Gardiner	2	23	1	17	6	5	3	19	17	93	4	1	0	0	1	3	2	9	20
Perry	3	8	8	18	6	28	3	19	0	93	3	7	3	7	3	10	6	19	58
Portland	14	18	13	3	18	6	7	11	0	90	3	0	2	0	2	4	11	5	27
Steuben	3	29	0	5	4	33	3	11	2	90	1	10	0	0	1	19	5	11	47
NEW HAMPSHIRE—																			
Barnstead	1	18	2	6	0	7	7	50	0	91	5	12	16	13	7	6	0	2	61
Concord (*a*)	3	15	3	24	0	20	1	27	0	93	----	----	----	----	----	----	----	----	----
Londonderry	4	12	1	8	2	5	2	22	37	93	0	11	1	1	0	3	7	13	36
Manchester	2	10	1	6	4	16	11	33	0	83	3	13	1	5	2	14	22	7	67
Stratford	3	4	11	0	0	12	10	15	0	55	3	7	1	0	1	9	18	16	55
VERMONT—																			
Brandon	34	1	2	2	25	3	3	18	1	89	9	3	1	0	5	7	13	25	63
Burlington	35	5	5	11	29	2	3	3	0	93	0	0	1	0	0	0	1	0	2
Craftsbury	9	17	5	5	17	17	9	13	1	93	4	7	1	0	3	10	17	17	59
Shelburn	29	2	0	4	28	8	5	17	0	93	4	7	10	11	4	2	1	2	41
MASSACHUSETTS—																			
Amherst	4	8	1	27	4	15	3	31	0	93	4	9	1	3	3	15	9	14	58
Boston	0	4	2	2	2	6	1	6	8	31	----	----	----	----	----	----	----	----	----
Bridgewater (*a*)	8	22	5	6	9	20	2	21	0	93	8	20	3	5	6	19	2	21	84
Cambridge (*a*)	7	9	6	2	2	24	10	16	9	85	----	----	----	----	----	----	----	----	----
Mendon	4	20	3	2	3	34	1	26	0	93	4	19	3	3	4	33	1	26	93
Nantucket	6	11	8	8	3	35	5	14	1	91	----	----	----	----	----	----	----	----	----
New Bedford	7	18	2	11	2	28	4	21	0	93	5	2	0	0	0	2	9	10	28
Newburyport	8	18	10	2	17	2	14	12	0	83	0	1	0	0	0	0	1	0	2
North Attleborough	16	12	0	8	19	10	7	21	0	93	11	10	0	2	17	5	21	11	77
Princeton	4	16	9	1	5	13	28	17	0	93	2	13	2	1	1	11	27	11	68
Richmond	0	19	0	3	0	26	0	39	0	87	0	16	0	1	0	24	1	35	77
Springfield	17	17	0	1	0	15	1	15	0	66	9	15	0	2	0	13	1	20	60
Westfield	5	9	4	7	10	11	22	21	0	89	----	----	----	----	----	----	----	----	----
Williamstown (*a*)	0	7	17	11	2	16	15	22	3	93	1	4	1	6	1	10	8	16	47
Worcester	21	9	2	3	7	20	10	21	0	93	1	0	1	0	0	0	3	2	7
RHODE ISLAND—																			
Providence (*a*)	5	24	1	8	8	17	4	25	0	92	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	5	24	10	10	15	16	10	3	0	93	1	17	17	6	4	10	5	0	60
New London	9	10	3	14	6	31	2	18	0	93	----	----	----	----	----	----	----	----	----
Norwich	1	20	6	9	3	29	4	12	9	93	----	----	----	----	----	----	----	----	----
Pomfret	2	18	2	2	16	18	1	34	0	93	2	17	1	1	5	17	7	20	70
Saybrook	12	5	15	8	6	18	10	13	6	93	5	3	4	4	2	8	13	5	44
Wallingford	7	13	5	0	8	25	5	22	8	93	4	12	2	0	3	8	26	12	67
NEW YORK—																			
Angelica	0	2	7	15	4	9	27	29	0	93	1	0	1	9	2	23	18	5	59
Baldwinsville	8	12	13	3	2	9	9	34	0	90	7	3	2	5	0	0	32	14	63
Beverly	7	10	0	9	7	30	0	29	0	92	8	3	4	8	4	19	9	10	65
Blackwell's Island	2	4	21	16	0	10	32	8	0	93	2	4	20	17	0	6	35	9	93
Canton	3	18	3	4	0	31	3	22	5	89	1	11	3	2	0	20	3	13	53
Eden	7	17	3	7	15	16	12	15	0	92	0	2	6	6	1	9	31	5	60
Fishkill	0	26	0	18	2	13	3	18	2	82	0	1	0	2	1	4	18	0	26
Flatbush	9	8	11	9	18	7	8	23	0	93	2	2	2	0	0	3	5	3	17
Geneva	3	2	3	19	14	1	14	23	14	93	4	0	1	1	0	7	18	15	46

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Lodi	6	3	5	22	6	8	8	29	5	92	1	2	7	9	3	7	19	10	58
Lowville	13	9	2	11	11	13	12	22	0	93	3	1	1	1	3	3	3	6	21
Mexico	7	4	23	9	11	3	11	25	0	93	5	2	4	3	2	2	25	7	50
Morrisania	6	16	16	10	6	9	7	20	0	90	----	----	----	----	----	----	----	----	----
New York city	5	21	5	14	0	6	13	27	0	91	1	9	7	3	0	21	10	7	58
North Salem	10	5	3	13	27	11	2	22	0	93	----	----	----	----	----	----	----	----	----
Ogdensburg	8	8	2	0	0	9	2	9	1	39	----	----	----	----	----	----	----	----	----
Oswego	5	8	12	5	14	8	35	1	5	93	----	----	----	----	----	----	----	----	----
Ovid	3	9	4	14	11	8	18	26	0	93	2	3	3	9	10	8	23	21	79
Penn Yan (*a*)	8	14	2	0	11	20	26	12	0	93	----	----	----	----	----	----	----	----	----
Pompey Hill	11	7	2	10	19	10	10	24	0	93	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	12	1	7	0	7	0	17	8	41	93	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	11	11	10	8	10	10	16	17	0	93	1	1	0	3	1	3	15	8	32
Sag Harbor (*a*)	5	10	8	7	19	7	5	15	0	76	4	6	2	1	2	17	13	7	52
Smithville (*a*)	5	15	9	2	11	11	9	2	0	64	----	----	----	----	----	----	----	----	----
Spencertown	10	5	2	9	9	21	7	29	1	93	6	3	2	9	10	17	10	23	80
Wampsville	2	2	19	9	11	3	46	1	0	93	1	2	19	8	11	3	37	0	81
Watertown	0	38	0	1	0	47	7	0	0	93	0	36	0	1	1	41	7	0	86
NEW JERSEY—																			
Bloomfield	2	16	0	15	3	31	7	19	0	93	----	----	----	----	----	----	----	----	----
Burlington, [Frost]	10	19	5	2	0	14	18	11	14	93	8	11	3	0	1	10	5	7	45
Lambertville	7	8	6	14	3	12	1	31	0	82	----	----	----	----	----	----	----	----	----
Newark (*b*)	9	9	2	11	3	11	1	16	0	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	0	16	0	13	4	39	0	72	0	0	0	9	0	11	5	18	43
Cannonsburg	8	6	30	0	0	0	43	6	0	93	----	----	----	----	----	----	----	----	----
Carlisle	0	16	5	15	0	16	10	23	7	92	0	6	4	12	0	14	3	17	56
Chromedale	8	27	5	7	12	4	5	15	10	93	4	0	4	1	1	10	16	18	54
Easton	8	4	4	14	10	3	7	25	13	88	5	5	2	4	2	2	9	15	44
Gettysburg	7	17	1	7	13	18	4	25	1	93	1	5	2	4	0	20	5	22	59
Harrisburg	6	0	9	10	12	6	20	29	0	92	1	0	0	3	7	3	11	8	33
Lewisburg	18	13	5	5	17	10	6	5	13	92	6	1	3	4	6	5	17	10	52
Meadville	3	2	2	7	12	6	6	25	30	93	2	1	4	5	4	14	10	17	57
Morrisville	7	6	8	6	15	17	9	19	6	93	2	2	0	13	2	21	10	12	62
Nazareth	17	15	8	8	18	9	7	11	0	93	4	2	1	1	6	6	7	8	35
Norristown	0	5	8	12	1	10	36	9	0	81	0	4	9	2	1	6	28	5	55
North Whitehall	4	4	2	4	0	6	4	16	0	40	----	----	----	----	----	----	----	----	----
Philadelphia	5	14	8	3	9	18	8	28	0	93	0	7	2	1	2	8	6	8	34
Pocopson	13	9	8	3	11	14	21	13	0	92	9	3	0	1	3	8	13	6	43
Somerset	7	2	5	18	6	9	20	26	0	93	13	3	15	19	1	0	1	10	62
West Haverford	9	8	5	2	3	18	1	15	1	62	4	3	0	1	1	9	7	9	34
DELAWARE—																			
Newark, [Martin]	6	10	6	6	1	8	3	17	0	57	2	0	5	1	2	2	1	0	13
MARYLAND—																			
Bladensburg	2	16	5	8	3	8	3	16	0	61	----	----	----	----	----	----	----	----	----
Frederick	6	15	1	5	9	13	11	21	9	90	2	1	1	2	5	3	27	11	52
Ridge	9	12	2	27	10	11	4	15	0	90	----	----	----	----	----	----	----	----	----
Sykesville	3	0	6	10	20	20	25	9	0	93	0	0	7	3	0	9	47	3	69
DISTRICT OF COLUMBIA—																			
Washington	0	17	4	17	3	24	5	21	2	93	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	13	13	5	8	14	14	6	20	0	93	----	----	----	----	----	----	----	----	----
Berryville	4	9	1	14	3	15	1	14	1	62	9	1	1	0	0	10	4	8	33
Crichton's Store (*a*)	35	9	2	11	16	15	0	4	1	93	0	0	0	0	1	43	19	1	64
Kanawha (*a*)	0	0	0	0	0	4	8	3	16	31	----	----	----	----	----	----	----	----	----
Portsmouth	18	10	8	17	11	13	5	11	0	93	----	----	----	----	----	----	----	----	----
Trout Run Valley	17	1	0	3	46	0	6	13	7	93	2	0	1	0	2	4	22	6	37
Winchester	0	0	5	4	6	1	25	0	52	93	----	----	----	----	----	----	----	----	----
Wirt Court-House	3	16	4	34	0	0	0	2	22	81	1	37	3	20	0	2	0	0	63

a For changes in hours of observation, &c., see notes to table of thermometer for this month.
b Observations taken morning and evening.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west	West.	Between north and west.	Total.
NORTH CAROLINA—																			
Chapel Hill	14	18	16	1	3	6	20	15	0	93	1	4	9	1	8	23	7	5	58
Goldsborough	9	12	12	9	6	3	13	2	6	72	0	1	0	0	3	2	6	1	13
SOUTH CAROLINA—																			
All Saints	3	22	11	14	11	15	9	8	0	93	1	11	7	4	10	10	16	8	67
Camden	7	20	9	10	3	18	8	11	7	93	1	10	8	9	0	20	13	8	69
Charleston, [Johnson]	3	7	2	4	3	12	1	4	0	36									
Charleston, [Dawson]	0	18	5	14	0	16	1	8	0	62									
Edisto Island (*a*)	5	12	7	10	6	6	7	4	1	58	0	3	0	3	4	1	6	3	20
St. John's	0	13	0	22	0	13	0	14	0	62									
GEORGIA—																			
Savannah	9	11	12	20	17	3	12	10	0	94	0	2	2	1	3	3	3	3	17
Sparta	7	24	14	13	3	5	7	19	0	92	2	6	6	8	1	11	16	12	62
Thomaston (*a*)	16	23	1	10	4	7	5	27	0	93									
Whitemarsh Island	6	11	8	16	14	5	10	9	12	91	0	7	1	5	7	4	10	8	42
Zebulon	6	3	26	5	4	17	20	11	0	92	4	9	10	9	0	11	14	8	65
FLORIDA—																			
Atsena (*a*)	6	4	6	0	0	6	10	1	3	36	6	4	3	0	0	4	6	2	25
Gainsville (*a*)	2	14	16	9	2	26	11	12	0	92	0	0	1	1	0	1	0	0	3
Jacksonville	0	38	2	9	4	22	6	11	1	93	0	15	4	6	0	18	25	3	71
St. Augustine (*a*)	1	43	4	14	0	7	1	23	0	93	1	40	3	15	0	8	1	21	89
Salt Ponds	5	3	6	15	6	4	12	9	2	62									
Warrington	1	28	3	19	2	24	2	14	0	93	1	10	3	10	1	18	1	8	52
ALABAMA—																			
Auburn	2	3	7	30	3	10	15	12	0	82									
Greene Springs	1	9	1	2	8	5	4	8	0	38	2	4	1	3	8	6	13	8	45
Greensborough (*a*)	11	4	1	4	2	0	0	12	0	34	0	7	0	0	0	0	0	5	12
MISSISSIPPI—																			
Columbus	7	13	4	12	6	11	3	37	0	93	3	6	1	1	2	7	14	24	58
Oxford	10	8	19	16	11	7	5	16	1	93	5	4	1	2	2	7	15	2	38
TEXAS—																			
Austin	14	10	1	31	6	7	7	17	0	93	4	12	3	24	9	15	7	10	84
New Braunfels	24	3	15	11	12	0	0	1	27	93	1	0	0	3	5	0	0	1	10
Pin Oak (*a*)	7	3	1	5	10	0	0	5	0	31									
Washington	12	0	0	0	19	0	0	0	0	31									
TENNESSEE—																			
Glenwood	7	12	5	5	12	6	5	3	38	93	5	6	3	1	10	16	23	6	70
KENTUCKY—																			
Ballardsville	18	16	3	1	15	21	8	11	0	93									
Paris	9	10	4	6	4	24	11	24	0	92	1	0	1	2	9	7	19	0	39
Springdale	2	16	6	1	5	18	5	7	33	93									
OHIO—																			
Bellefontaine	2	17	4	8	7	22	7	11	0	78	0	6	0	7	1	34	10	20	78
Cheviot (*b*)	10	13	12	9	7	9	22	11	0	93	0	1	0	0	0	0	0	0	53
Cincinnati, [Harper]	13	12	8	1	0	22	29	8	0	93	1	0	0	0	0	0	1	0	2
Cincinnati, [Telegraph]	3	2	1	1	0	5	1	10	8	31									
Cleveland	20	5	1	9	16	1	7	15	2	76	4	1	1	2	4	2	12	5	31
Dayton, [Fisher]	18	18	11	2	3	21	13	7	0	93	10	9	6	0	1	8	12	9	55
Gallipolis	9	4	6	5	11	6	3	7	0	51									
Germantown, [Groneweg]	43	16	5	5	5	17	0	0	0	91	16	11	0	1	0	18	2	2	50
Germantown, [Binkerd]	1	2	12	3	3	13	50	9	0	93	0	0	0	0	0	0	2	0	2
Granville	3	9	3	0	2	14	11	5	38	85	3	0	2	0	0	9	8	5	27
Hillsborough	1	28	0	10	2	33	0	19	0	93	1	3	0	3	3	17	1	17	45
Hiram	29	8	0	8	7	14	9	18	0	93	10	1	0	4	4	7	17	6	49
Jefferson	7	18	4	9	2	14	6	33	0	93	2	14	2	8	4	6	5	16	57
Oberlin	15	16	5	5	8	9	5	18	11	92	4	2	2	1	3	2	27	17	58
Savannah	7	2	0	8	0	23	13	40	0	93	4	0	0	8	0	10	12	18	52
Scioto (*a*)	17	16	10	26	3	1	2	6	0	81									
Unionville	10	17	5	7	5	23	10	10	6	93	3	5	0	6	3	21	21	9	68
Urbana	3	9	2	10	3	12	3	22	0	64	5	2	2	4	4	12	17	16	62
Zanesville, [Holston]	24	4	2	10	2	13	14	24	0	93									
Zanesville, [Dayton]	6	8	1	5	4	4	4	18	38	88	0	2	1	5	4	11	8	20	51

a For changes in hours of observation, &c, see notes to table of thermometer for this month.
b Velocity of clouds recorded without direction in most cases.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—																			
Ann Arbor, [Woodruff]	10	21	14	1	4	13	6	11	12	92	7	5	8	0	3	17	18	18	76
Ann Arbor, [Winchell]	18	19	14	10	1	9	9	11	2	93	9	9	1	1	0	22	10	9	61
Cooper	7	1	15	1	1	0	34	1	33	93	4	0	11	3	0	1	18	0	37
Detroit	23	14	24	9	8	9	2	4	0	93	0	4	10	2	1	5	1	1	24
Grand Rapids[, Currier]	2	31	7	6	2	11	4	6	24	93	0	2	2	2	1	4	2	2	15
Monroe	3	39	5	12	2	9	0	22	0	92	0	34	7	12	2	11	1	27	94
Saugatuck (*a*)	1	3	14	0	0	2	4	0	0	24	3	6	9	5	2	2	6	4	37
Romeo (*a*)	31	14	11	0	10	4	12	6	1	89	13	4	3	0	4	3	8	1	36
St. James	26	6	15	5	11	13	1	12	1	90	0	1	1	4	4	12	7	13	42
INDIANA—																			
New Albany	15	10	1	14	3	15	7	28	0	93	7	5	1	4	3	13	7	14	54
New Harmony	18	0	16	11	7	7	9	17	0	85	3	0	4	1	2	0	18	3	31
Richmond	0	6	4	8	1	10	4	11	16	60	---	---	---	---	---	---	---	---	---
ILLINOIS—																			
Athens	3	28	3	5	11	10	4	12	0	76	1	4	0	1	2	5	15	14	42
Augusta	3	11	14	6	11	14	23	6	5	93	1	5	7	2	2	8	16	7	48
Carthage (*a*)	1	7	7	6	4	3	5	15	4	52	0	5	3	2	0	2	3	11	26
Manchester (*a*)	9	6	5	3	11	6	38	15	0	93	1	1	3	0	2	1	11	2	21
Marengo	0	31	18	3	14	7	17	2	0	92	5	6	7	2	0	2	0	1	23
Ottawa	8	20	6	3	13	3	11	12	6	82	6	3	0	2	2	3	3	8	27
Peoria	7	4	36	3	16	3	21	3	0	93	---	---	---	---	---	---	---	---	---
Riley (*a*)	0	6	13	1	0	4	3	4	0	31	---	---	---	---	---	---	---	---	---
Upper Alton	7	13	3	6	10	9	7	38	0	93	8	12	4	7	10	12	7	36	96
Warsaw	3	10	8	9	10	23	12	15	1	91	6	8	2	2	1	21	13	19	72
West Salem	20	6	9	5	12	8	3	10	20	93	1	0	0	0	1	9	22	9	42
MISSOURI—																			
Rocheport	0	4	4	6	4	4	2	6	0	30	---	---	---	---	---	---	---	---	---
St. Louis	8	8	21	8	2	11	21	14	0	93	---	---	---	---	---	---	---	---	---
WISCONSIN—																			
Appleton	6	40	0	4	4	25	4	10	0	93	6	35	0	4	2	22	5	19	93
Beloit	27	19	9	5	20	4	5	4	0	93	4	1	3	2	2	1	7	1	21
Cascade Valley (*a*)	0	7	0	13	0	1	0	6	0	27	0	8	0	7	0	0	0	5	20
Janesville	4	41	4	3	12	14	6	3	6	93	---	---	---	---	---	---	---	---	---
Kenosha	1	28	18	2	12	13	8	2	0	84	---	---	---	---	---	---	---	---	---
Milwaukee, [Winkler]	4	46	10	6	2	12	5	5	0	90	---	---	---	---	---	---	---	---	---
Milwaukee, [Pomeroy]	5	2	0	1	1	1	2	7	0	19	---	---	---	---	---	---	---	---	---
Norway	10	30	4	3	15	10	14	4	3	93	1	9	0	0	0	8	43	7	68
Platteville	7	10	25	12	2	6	15	16	0	93	5	6	13	1	1	16	28	9	79
Racine, [Seymour]	0	16	3	6	0	3	2	1	0	31	---	---	---	---	---	---	---	---	---
Superior	14	44	9	2	4	2	3	15	0	93	14	45	9	2	4	2	3	14	93
Waukesha	3	42	10	2	5	18	7	6	0	93	1	6	4	2	0	4	9	4	30
IOWA—																			
Dubuque	1	2	11	13	24	10	27	2	0	90	0	1	1	2	6	3	0	1	14
Fort Madison (*a*)	9	20	9	9	6	12	3	22	0	90	0	6	4	3	4	11	22	15	65
Franklin (*a*)	5	0	0	2	3	2	3	2	0	17	---	---	---	---	---	---	---	---	---
Iowa City	22	4	27	1	6	2	24	5	2	93	1	1	7	4	10	2	7	1	33
Muscatine	5	13	7	19	9	16	0	24	0	93	0	3	2	4	1	17	2	14	43
Pleasant Plain (*a*)	7	10	15	18	8	8	17	10	0	93	---	---	---	---	---	---	---	---	---
Quasqueton (*a*)	0	8	2	6	1	15	1	13	1	47	1	0	0	0	0	1	0	1	3
MINNESOTA—																			
Hazlewood	6	3	4	16	22	10	0	29	0	90	0	0	0	2	4	0	1	2	9
CALIFORNIA—																			
Sacramento	4	1	0	18	35	23	5	7	0	93	1	4	1	10	7	11	2	4	40
Stockton	0	0	0	0	2	20	0	11	0	33	---	---	---	---	---	---	---	---	---
MEXICO—																			
City of Mexico	0	10	0	41	29	5	5	3	0	93	7	0	0	1	0	0	2	1	11
SOUTH AMERICA—																			
Catharina Sophia, Sur'm (*a*)	0	28	18	8	3	0	0	0	0	57	0	15	37	4	1	0	0	0	57

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	1	11	0	5	15	30	20	8	0	90	3	5	0	2	11	14	28	9	72
St. John's (a)	0	4	0	1	0	10	3	3	0	21	----	----	----	----	----	----	----	----	----
St. Martin	0	13	1	20	3	47	0	6	0	90	----	----	----	----	----	----	----	----	----
Toronto (a)	0	16	4	15	2	25	2	13	13	90	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel (a)	0	1	1	13	1	6	2	11	13	48	0	0	0	9	1	3	2	12	27
Cornish	12	2	2	10	11	4	15	33	0	89	0	0	0	0	0	0	0	2	2
Gardiner	1	11	3	17	6	19	7	11	15	90	0	1	0	0	1	13	3	28	46
Perry	0	2	3	19	14	31	2	19	0	90	0	1	1	3	1	12	4	35	57
Portland	9	6	8	9	23	7	17	5	0	84	0	1	0	3	1	8	24	5	42
Steuben	2	17	0	10	3	38	6	7	7	90	2	11	2	1	2	13	20	10	61
NEW HAMPSHIRE—																			
Barnstead	0	6	5	15	0	6	2	56	0	90	4	30	15	17	0	3	0	1	70
Concord	3	11	0	32	0	21	7	16	0	90	----	----	----	----	----	----	----	----	----
Londonderry	1	0	2	4	2	2	1	24	54	90	0	0	0	0	0	1	3	6	10
Manchester	0	4	2	8	10	32	27	7	0	90	1	5	3	4	3	21	21	5	63
Stratford	0	0	8	2	2	7	5	7	0	31	1	0	0	4	6	13	19	4	47
VERMONT—																			
Brandon	8	0	3	8	41	10	6	7	7	90	1	2	0	0	0	16	6	37	62
Burlington	12	1	1	2	70	1	3	0	0	90	0	0	0	0	0	0	4	0	4
Craftsbury	3	6	4	7	24	23	16	7	0	90	5	1	1	0	8	13	28	14	70
Shelburn	8	1	0	0	64	4	2	11	0	90	0	14	23	8	0	0	0	0	45
MASSACHUSETTS—																			
Amherst	0	3	4	28	3	18	5	26	0	87	4	5	1	2	3	16	13	8	52
Boston	0	3	1	1	0	8	0	5	12	30	----	----	----	----	----	----	----	----	----
Bridgewater (a)	5	11	4	4	7	43	7	9	0	90	7	42	7	9	5	12	4	3	89
Cambridge (a)	1	5	7	5	1	24	7	9	22	81	----	----	----	----	----	----	----	----	----
Mendon	0	7	3	5	3	49	7	16	0	90	1	7	3	5	3	49	5	17	90
Nantucket	0	12	0	8	4	49	5	7	5	90	----	----	----	----	----	----	----	----	----
New Bedford	1	11	1	9	5	43	4	15	1	90	2	2	0	1	1	4	15	12	37
Newburyport	3	9	7	10	19	6	24	10	0	88	----	----	----	----	----	----	----	----	----
North Attleborough	13	7	0	3	33	18	9	7	0	90	9	8	0	0	23	9	17	8	74
Princeton	3	12	7	2	2	19	30	15	0	90	2	10	6	2	1	16	26	8	71
Richmond	0	3	0	9	2	38	0	32	2	86	0	4	0	6	1	29	5	20	65
Westfield	5	8	3	10	11	13	22	14	0	86	----	----	----	----	----	----	----	----	----
Weymouth	1	6	4	10	11	17	9	0	0	58	----	----	----	----	----	----	----	----	----
Williamstown (a)	2	2	14	11	4	14	24	11	4	86	1	1	1	6	1	4	8	18	40
Worcester	22	1	1	2	9	22	24	9	0	90	0	0	0	0	0	2	1	0	3
RHODE ISLAND—																			
Providence (a)	3	15	0	8	12	25	7	20	0	90	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	6	21	8	8	16	19	10	0	2	90	0	20	16	6	7	1	3	1	54
New London	4	9	0	5	16	44	2	10	0	90	----	----	----	----	----	----	----	----	----
Norwich	1	16	2	18	3	26	4	2	16	88	----	----	----	----	----	----	----	----	----
Pomfret	4	11	0	4	16	28	5	21	0	89	5	10	0	2	7	17	8	20	69
Saybrook	8	6	8	11	7	32	9	4	5	90	6	1	2	1	1	6	18	6	41
Wallingford	5	6	3	2	11	39	10	3	11	90	3	6	1	1	3	14	18	13	59
NEW YORK—																			
Angelica	1	0	0	6	5	41	30	7	0	90	0	0	0	0	0	26	15	0	41
Baldwinsville	0	1	5	9	4	14	20	23	0	76	0	0	2	1	3	8	32	16	62
Beverly	5	5	0	13	9	39	1	11	0	83	3	6	0	11	9	17	10	6	62
Blackwell's Island	2	14	18	17	3	12	22	2	0	90	2	13	19	17	3	12	22	2	90
Canton	1	10	1	6	3	53	4	4	2	84	0	5	1	5	4	38	4	2	59
Flatbush	1	8	6	9	26	16	11	13	0	90	2	2	2	1	0	11	12	14	44
Geneva	4	1	2	19	17	5	11	8	23	90	0	0	0	0	0	9	37	13	59
Houseville	3	0	0	4	35	13	19	16	0	90	0	0	0	0	13	23	28	10	74
Lodi	2	2	2	10	14	20	21	12	7	90	4	2	12	2	0	2	29	7	58
Lowville	10	2	3	4	14	18	17	22	0	90	2	2	0	4	1	13	23	17	62
Mexico	0	0	16	11	6	8	35	14	0	90	0	0	1	0	6	2	36	3	48
Morrisania	1	2	5	20	22	9	12	19	0	90	----	----	----	----	----	----	----	----	----
New York city	1	5	7	24	2	24	16	11	0	90	1	2	12	4	1	19	33	4	76

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
North Salem	3	4	1	13	19	32	6	12	0	90									
Ogdensburg	4	5	0	2	4	15	5	0	0	35									
Oswego	1	3	4	7	22	11	37	0	5	90									
Ovid	1	1	1	11	13	24	19	20	0	90	1	1	0	5	7	15	23	27	79
Penn Yan (*a*)	6	7	0	0	5	43	23	6	0	90									
Pompey Hill	7	2	1	7	18	26	19	10	0	90									
Rochester, [Harkness]	9	0	7	7	9	6	23	3	26	90									
Rochester, [Pratt]	9	5	3	7	6	25	28	6	0	89	0	0	0	0	0	6	19	7	32
Spencertown	4	2	0	12	3	32	10	27	0	90	0	1	0	6	0	22	9	12	50
Utica	0	3	6	17	0	5	0	20	0	51									
Wampsville	2	0	8	8	17	9	38	7	0	89	1	1	10	8	15	9	33	6	83
Watertown	0	0	0	0	2	70	17	1	0	90	1	0	0	0	2	65	15	1	84
NEW JERSEY—																			
Bloomfield	0	6	0	12	0	37	18	5	0	78									
Burlington, [Schmidt]	1	5	14	12	1	12	30	13	1	89	1	5	6	4	1	7	21	9	54
Lambertville	0	5	2	10	9	23	5	30	0	84									
Newark (*b*)	1	7	2	15	2	17	7	9	0	60									
PENNSYLVANIA—																			
Bedford	0	0	0	10	1	22	7	35	0	75	0	0	0	7	0	16	12	21	56
Cannonsburg	0	0	12	0	1	0	70	7	0	90									
Carlisle	0	12	0	10	0	34	15	7	12	90	0	7	0	9	0	25	12	5	58
Chromedale	3	9	4	10	13	9	3	19	20	90	7	2	3	0	4	8	16	16	56
Easton	10	1	0	12	11	4	10	18	23	89	4	1	3	4	4	2	17	19	54
Gettysburg	0	8	4	0	11	34	10	10	13	90	2	4	0	1	4	16	34	19	80
Harrisburg	0	0	1	16	11	4	45	12	0	89	1	0	0	4	4	3	32	6	50
Lewisburg	4	8	3	11	13	15	8	2	26	90	2	1	2	0	2	12	19	10	48
Meadville	0	0	1	1	11	11	14	9	43	90	1	0	1	1	3	8	40	3	57
Morrisville	1	6	0	1	25	26	8	1	22	90	2	6	0	0	5	24	21	1	59
Moss Grove	0	0	1	1	7	9	50	11	3	82	0	0	1	1	2	5	47	17	73
Nazareth	8	7	3	13	9	13	32	5	0	90	5	0	3	2	4	3	22	4	43
Norristown	0	1	6	15	8	20	24	1	0	75	10	3	7	3	0	9	23	0	55
North Whitehall	2	4	10	0	10	6	3	5	0	40									
Pocopson	6	4	3	3	7	37	20	3	0	83	2	0	0	1	0	8	30	5	46
Somerset	8	0	2	6	1	20	36	17	0	90	1	14	25	16	5	0	1	7	69
West Haverford	3	1	7	2	2	23	3	13	5	59	4	1	1	0	1	4	16	13	40
MARYLAND—																			
Bladensburg	3	5	1	5	1	16	1	11	0	43									
Frederick	6	11	3	4	13	16	16	7	11	87	1	3	2	1	5	4	36	6	58
Ridge	5	3	21	14	18	13	13	3	0	90									
Sykesville	0	1	2	9	24	25	27	2	0	90	0	2	3	5	4	12	51	0	77
DISTRICT OF COLUMBIA—																			
Washington	0	9	2	15	0	36	6	16	5	89									
VIRGINIA—																			
Alexandria	9	10	2	11	16	24	4	14	0	90									
Berryville	0	10	1	15	6	8	15	31	0	86	17	2	2	4	6	6	8	8	53
Crichton's Store (*a*)	21	8	6	5	38	4	4	2	1	89	3	1	0	0	3	19	36	2	64
Kanawha	0	0	0	0	0	1	4	0	25	30									
Lewisburg											1	0	1	2	0	0	16	0	20
Poplar Grove	0	2	3	4	1	14	22	7	11	64	0	3	2	2	1	13	24	15	60
Portsmouth	5	6	11	11	21	23	4	6	0	87									
Trout Run Valley	9	1	0	0	62	0	2	5	11	90	2	0	3	1	3	0	12	6	27
Winchester	0	0	0	10	1	1	11	0	67	90									
Wirt Court-House	0	8	0	24	0	0	0	3	54	89	2	51	0	12	0	0	0	2	67
NORTH CAROLINA—																			
Chapel Hill	7	7	11	2	17	6	29	5	0	84	0	2	0	3	7	15	21	5	53
SOUTH CAROLINA—																			
All Saints	6	4	18	9	23	8	19	3	0	90	1	0	5	6	8	15	49	5	89
Camden	0	8	3	10	5	47	6	3	8	90	8	3	3	0	0	15	30	5	64
Charleston, [Johnson]	0	0	6	5	8	8	2	0	0	29									
Charleston, [Dawson] (*c*)	0	3	9	11	1	25	4	7	0	60									

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

b Observations taken a. m. and p. m.

c Observations taken at sunrise and 4 p. m.

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—Cont'd.																			
Edisto Island (*a*)	5	4	5	9	13	33	4	9	5	87	3	1	0	1	2	13	4	8	32
St. John's	0	3	0	32	0	11	0	14	0	60									
GEORGIA—																			
Savannah	4	3	4	15	29	14	12	9	0	90	0	0	0	2	0	0	1	0	3
Sparta	3	12	6	11	3	29	8	18	0	90	0	4	3	7	1	13	20	11	59
Thomaston (*a*)	7	9	6	6	0	8	0	51	0	87									
Whitemarsh Island	2	4	2	7	29	14	13	7	12	90	2	2	0	3	5	10	27	9	58
Zebulon	6	2	10	0	0	1	9	0	0	28	3	0	3	0	0	4	8	4	22
FLORIDA—																			
Atsena	11	3	9	8	0	19	31	3	6	90	4	3	17	5	1	9	23	2	64
Gainesville (*a*)	3	11	12	3	6	29	15	11	0	90	0	2	3	0	0	0	0	0	5
Jacksonville	2	19	1	18	5	35	5	4	1	90	1	12	2	4	0	27	12	4	62
St. Augustine (*a*)	1	17	13	23	1	18	0	17	0	90	0	11	8	17	0	23	3	15	77
Salt Ponds	3	4	5	34	5	3	2	4	0	60									
Warrington	0	14	2	22	0	39	8	5	0	90	1	8	4	1	1	6	0	8	29
ALABAMA—																			
Auburn	2	1	0	21	11	9	35	11	0	90	1	1	1	9	3	15	19	5	54
Carlowville	3	19	11	29	0	15	5	7	0	89	9	2	2	2	8	3	6	4	36
Greene Springs	2	0	2	1	3	1	13	5	0	27	5	1	3	3	7	3	21	7	50
Greensborough	6	2	5	10	16	18	9	14	0	80	4	1	11	3	4	6	7	9	45
MISSISSIPPI—																			
Columbus	1	9	10	8	2	14	18	24	0	86	1	4	5	3	1	11	12	18	55
Oxford	2	13	12	23	14	17	7	2	0	90	4	0	2	3	1	2	8	5	25
TEXAS—																			
Austin	6	4	7	48	15	6	1	3	0	90	16	1	5	32	20	15	4	12	105
New Braunfels	1	1	23	17	30	0	0	1	16	89	0	3	1	1	5	1	0	0	11
Pin Oak (*a*)	0	0	0	14	8	7	1	0	0	30									
Washington	4	0	0	0	25	0	1	0	0	30									
TENNESSEE—																			
Glenwood	3	2	2	5	15	20	3	7	33	90	2	1	0	1	2	17	42	6	71
Walnut Grove (*a*)	0	0	4	1	0	0	1	0	7	13	0	2	0	0	0	0	3	0	5
KENTUCKY—																			
Ballardsville	12	1	0	3	33	27	4	10	0	90	0	0	0	0	1	3	0	2	6
Danville	3	9	3	1	0	49	14	11	0	90	0	2	0	0	0	29	19	5	55
Paris	2	10	2	10	3	31	6	26	0	90	3	2	1	1	0	13	24	2	46
Springdale	1	4	2	1	8	19	12	4	39	90									
OHIO—																			
Bellefontaine	0	1	1	4	11	33	8	10	0	68	1	1	0	0	2	44	13	13	74
Cheviot	4	7	7	7	10	19	24	12	0	90	0	1	0	0	2	1	1	0	5
Cincinnati, [Harper]	19	2	2	4	6	20	25	12	0	90									
Cincinnati, [Telegraph]	1	1	1	0	2	8	6	3	8	30									
Cleveland	18	0	0	5	16	18	12	14	2	85	5	0	0	2	1	5	29	3	45
Dayton, [Fisher]	4	4	0	3	13	29	15	19	1	88	10	3	0	0	4	9	13	11	50
Germantown, [Groneweg]	12	6	3	16	3	32	0	9	0	81	3	5	2	10	2	22	1	17	62
Germantown, [Binkerd]	2	1	1	2	8	26	33	6	11	90	0	1	1	0	0	7	37	12	58
Granville	0	3	1	0	0	17	10	3	47	81	0	0	1	0	0	16	9	2	28
Hillsborough	0	8	0	14	1	39	2	22	3	89	0	0	1	1	1	15	2	17	37
Hiram	4	2	0	0	3	34	34	12	1	90	4	1	0	0	4	8	33	10	60
Jefferson	2	9	4	13	2	23	13	24	0	90	0	2	2	2	1	5	3	4	19
Oberlin	4	6	1	5	6	22	14	10	19	87	0	0	0	0	0	6	54	5	65
Portsmouth	23	21	10	16	1	5	1	7	0	84									
Savannah	1	0	0	2	0	64	10	13	0	90	0	0	0	2	0	35	10	10	57
Unionville	1	6	2	5	4	36	13	7	16	90	2	3	1	0	4	33	14	14	71
Urbana	0	0	0	11	7	20	9	8	0	55	3	1	0	1	3	11	35	6	60
Zanesville, [Holston]	6	7	0	1	1	13	29	33	0	90	0	4	8	4	3	0	3	0	22
MICHIGAN—																			
Ann Arbor, [Woodruff]	1	2	2	8	10	18	13	6	19	79	0	2	1	1	2	9	31	19	65
Battle Creek	1	2	2	6	18	19	18	8	16	90	1	0	0	0	3	8	39	16	67
Cooper	0	0	2	0	1	2	42	0	43	90	0	0	1	0	0	0	22	0	23
Detroit	6	5	8	4	16	29	15	7	0	90									

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No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Grand Rapids, [Currier]	1	1	1	4	4	38	4	6	31	90	0	0	0	0	0	8	9	5	22
Holland	1	2	8	2	4	24	33	16	0	90	6	0	1	1	5	16	40	12	81
Monroo	0	1	0	2	2	47	0	37	0	89	0	2	1	1	1	22	0	55	82
Romeo	5	2	7	2	10	13	27	7	8	81	3	0	0	0	2	7	11	4	27
INDIANA—																			
New Albany	13	5	0	14	7	23	8	20	0	90	3	0	0	4	3	12	7	12	41
New Harmony	3	2	3	16	20	18	21	5	0	88	0	0	0	1	1	1	26	3	32
ILLINOIS—																			
Athens	2	5	1	7	16	25	0	5	0	61	2	1	0	3	0	16	19	13	54
Augusta	1	3	6	5	20	24	16	5	10	90	1	2	1	0	8	3	25	7	47
Brighton	4	8	1	3	14	36	15	9	0	90	1	0	7	3	1	1	3	0	16
Manchester (*a*)	6	2	1	0	14	23	32	12	0	90	2	0	1	0	7	20	22	6	58
Marengo	0	4	3	12	26	31	11	3	0	90	0	0	1	0	0	0	0	0	1
Ottawa	6	1	1	5	17	31	9	12	3	85	5	0	0	1	4	5	7	7	29
Peoria	3	1	10	8	37	2	16	3	0	80	0	0	0	0	0	1	0	0	1
Riley (*a*)	1	0	0	0	0	13	2	1	0	17									
Upper Alton											1	2	0	0	4	10	2	23	42
Warsaw	0	8	6	11	10	42	7	6	0	90	1	5	0	0	1	32	9	11	59
West Salem	5	4	2	2	37	10	4	1	25	90	1	1	5	0	1	7	26	15	56
MISSOURI—																			
Palmyra	3	0	3	11	4	52	14	16	17	120	2	1	0	7	2	43	21	9	85
Rocheport	1	2	1	10	10	9	6	3	0	42									
St. Louis	6	1	7	15	26	16	13	6	0	90									
WISCONSIN—																			
Appleton	6	7	0	1	7	40	12	17	0	90	7	5	0	0	5	32	12	29	90
Beloit	14	3	2	2	34	17	7	10	1	90	2	3	0	0	0	0	10	2	17
Janesville	3	2	2	5	13	37	9	9	10	90									
Kenosha	2	4	7	4	33	20	12	6	0	90									
Madison, [Schue]	1	1	3	8	16	27	20	13	1	90									
Milwaukee, [Winkler]	0	7	14	21	2	17	14	15	0	90									
Milwaukee, [Pomeroy]	4	2	2	17	5	9	19	15	0	73									
Norway	2	2	6	2	15	18	34	8	3	90	0	0	1	0	2	1	43	14	61
Platteville	2	2	1	21	6	17	20	21	0	90	1	0	0	0	3	21	37	6	68
Racine, [Seymour]	0	4	1	4	0	10	3	6	1	29									
Superior	9	42	13	2	1	18	0	4	0	89	8	38	12	5	1	19	3	2	88
IOWA—																			
Dubuque	0	0	1	2	37	20	20	1	0	81	4	2	1	3	11	5	0	0	26
Fort Madison (*a*)	4	14	2	15	13	28	1	13	0	90	2	1	0	0	3	14	35	4	59
Franklin	3	1	1	2	18	41	8	10	6	90	0	0	1	0	0	1	0	0	2
Iowa City	0	0	20	3	14	4	48	1	0	90	5	2	7	3	7	0	0	0	24
Muscatine	0	8	0	29	6	33	8	6	0	90	0	5	0	4	0	30	2	3	44
Pleasant Plain	1	2	3	7	13	7	8	6	0	47									
Quasqueton (*a*)	0	0	0	7	5	28	3	13	1	57	0	0	0	0	0	1	1	0	2
MINNESOTA—																			
Belle Prairie	4	2	2	6	5	8	7	5	12	51	2	0	2	2	5	5	13	6	35
Hazlewood	1	0	0	5	31	13	5	35	0	90	0	0	0	2	1	1	5	0	9
CALIFORNIA—																			
Sacramento	12	1	1	8	35	12	7	14	0	90	2	2	3	3	3	4	0	0	17
Stockton	0	0	0	0	1	3	1	21	0	26									
MEXICO—																			
City of Mexico	2	13	2	49	11	7	0	3	3	90	2	1	3	3	0	3	2	4	18
SOUTH AMERICA—																			
Cath'na Sophia, Sur'am (*a*)	0	39	19	26	4	1	0	1	0	90	0	18	50	23	0	0	0	0	91
Colonia Tovar, Ven. (*a*)	0	0	0	0	0	0	3	0	0	3	1	5	11	22	1	0	0	0	40

a For changes in hours of observations, &c., see notes to table of thermometer for this month.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	18	4	0	6	12	11	17	25	0	93	13	1	0	1	11	6	26	14	72
St. John's	11	4	1	6	14	14	9	22	0	81	----	----	----	----	----	----	----	----	----
St. Martin	0	7	1	8	2	48	10	17	0	93	----	----	----	----	----	----	----	----	----
Toronto (*a*)	2	5	3	11	7	25	3	22	15	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Carmel (*a*)	0	3	1	3	0	9	9	24	2	51	0	4	0	1	0	8	8	14	35
Cornish	12	2	6	6	3	8	5	51	0	93	----	----	----	----	----	----	----	----	----
Gardiner	2	3	3	9	4	20	4	27	21	93	1	2	0	1	3	12	7	20	46
Monson	7	2	8	6	7	3	12	33	8	86	7	1	5	4	4	4	14	26	65
Perry	2	1	2	15	9	33	6	24	1	93	1	0	0	1	2	7	8	16	35
Portland	5	13	5	10	7	17	23	9	0	89	4	0	1	2	1	2	19	4	33
Steuben	0	10	2	4	0	53	6	15	3	93	0	4	0	0	0	33	15	5	57
NEW HAMPSHIRE—																			
Barnstead	1	2	0	3	0	9	2	76	0	93	0	10	14	21	7	0	0	0	52
Concord	0	4	4	10	0	12	4	51	3	88	----	----	----	----	----	----	----	----	----
Londonderry	0	5	1	5	2	4	0	26	31	74	0	1	4	2	0	0	0	5	12
Manchester	1	4	6	3	3	33	30	8	0	88	0	4	6	1	1	15	31	1	59
Stratford	0	0	8	1	0	7	16	5	0	37	1	0	2	0	0	9	21	13	46
VERMONT—																			
Brandon	13	0	2	10	33	10	8	9	8	93	0	1	1	1	0	6	15	31	55
Burlington	14	0	0	3	51	4	17	4	0	93	0	0	0	0	0	0	1	0	1
Craftsbury	5	4	5	4	23	19	21	12	0	93	6	0	0	1	5	7	36	17	72
Shelburn	8	0	0	3	62	5	1	14	0	93	1	9	14	14	3	0	0	1	42
MASSACHUSETTS—																			
Amherst	7	0	4	28	2	15	7	22	1	86	0	2	0	0	0	10	9	11	32
Boston	0	1	1	2	0	7	6	1	13	31	----	----	----	----	----	----	----	----	----
Bridgewater (*a*)	3	5	6	3	0	45	11	20	0	93	0	44	11	18	3	6	6	3	91
Cambridge (*a*)	0	7	5	3	0	26	14	10	19	84	----	----	----	----	----	----	----	----	----
Mendon	1	4	0	3	0	59	8	18	0	93	1	4	0	3	0	58	9	17	92
Nantucket	13	3	11	3	1	12	35	15	0	93	----	----	----	----	----	----	----	----	----
New Bedford	5	7	1	2	4	40	13	21	0	93	0	1	0	0	0	5	6	4	16
Newburyport	4	7	9	7	7	5	40	16	0	95	----	----	----	----	----	----	----	----	----
North Attleborough	5	2	3	5	27	14	23	14	0	93	4	2	1	3	11	8	32	6	67
Princeton	4	7	5	3	0	11	30	33	0	93	0	4	0	0	0	6	35	19	64
Richmond	0	4	1	9	1	53	0	25	0	93	1	3	0	5	0	23	1	13	46
Westfield	6	3	5	9	10	16	29	15	0	93	----	----	----	----	----	----	----	----	----
Weymouth	3	10	1	1	2	15	14	16	0	62	----	----	----	----	----	----	----	----	----
Williamstown (*a*)	0	1	3	7	4	12	35	17	12	91	0	0	0	4	2	6	6	18	36
Worcester	20	1	1	3	1	31	18	18	0	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	1	11	1	2	12	18	20	18	0	83	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	2	25	5	2	15	26	11	6	1	93	2	11	21	5	8	0	1	0	48
New London	4	7	0	5	7	50	3	17	0	93	----	----	----	----	----	----	----	----	----
Norwich	0	9	0	19	1	29	0	2	32	92	----	----	----	----	----	----	----	----	----
Pomfret	4	8	2	4	9	30	2	34	0	93	2	6	1	0	3	13	8	15	48
Saybrook	5	4	6	5	4	26	4	6	4	64	4	4	1	0	1	7	9	2	28
Wallingford	8	5	3	6	7	28	9	12	15	93	2	4	2	0	0	7	31	9	55
NEW YORK—																			
Angelica	2	1	1	5	5	42	28	9	0	93	0	0	0	0	0	24	8	0	32
Baldwinsville	3	2	5	3	5	12	26	24	0	80	0	0	0	0	4	2	29	7	42
Beverly	6	6	0	8	12	44	1	11	5	93	3	1	0	4	7	20	18	4	57
Blackwell's Island	1	13	11	12	13	18	17	8	0	93	1	13	11	12	13	18	17	8	93
Clinton	1	2	7	11	3	8	37	1	6	76	3	5	14	14	1	0	1	4	42
Flatbush	1	12	5	5	19	19	13	19	0	93	2	2	2	0	0	4	12	20	42
Geneva	2	1	0	17	13	4	23	12	21	93	0	0	0	1	0	45	5	0	51
Houseville	1	0	0	6	19	30	23	14	0	93	0	0	0	3	2	19	28	9	61
Lodi	2	0	1	17	7	5	9	31	21	93	0	0	0	2	6	2	19	19	48
Lowville	10	5	0	6	8	10	26	28	0	93	8	2	0	0	5	8	21	21	65
Mexico	2	0	16	14	7	9	37	8	0	93	2	0	1	1	2	6	24	9	45

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
New York city	1	12	1	16	1	28	20	14	0	93	0	3	8	0	0	9	39	2	61
North Salem	3	11	6	9	27	20	7	10	0	93	----	----	----	----	----	----	----	----	----
Ogdensburg	6	1	0	2	0	16	8	2	0	35	----	----	----	----	----	----	----	----	----
Oswego	1	5	3	5	18	6	41	0	14	93	----	----	----	----	----	----	----	----	----
Ovid	2	3	2	10	8	30	10	28	0	93	1	0	1	8	2	18	18	26	74
Penn Yan (*a*)	3	3	0	0	14	47	26	0	0	93	----	----	----	----	----	----	----	----	----
Plainville (*a*)	0	2	2	4	4	6	43	6	0	67	4	2	26	3	0	0	0	0	35
Pompey Hill	4	1	3	5	14	19	21	13	0	80	0	0	0	1	1	1	3	2	8
Rochester, [Harkness]	10	4	3	2	14	7	22	5	26	93	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	11	5	1	7	3	31	21	13	0	92	1	2	0	0	2	4	21	14	44
Sag Harbor	8	5	4	11	10	29	19	7	0	93	3	1	1	4	2	8	24	5	48
Spencertown	2	0	1	8	1	30	4	30	17	93	7	2	1	4	3	11	3	32	63
Utica	0	0	7	19	1	1	5	31	5	69	----	----	----	----	----	----	----	----	----
Wampsville	6	0	9	6	11	5	46	10	0	93	1	0	6	5	12	5	31	12	72
Watertown	0	2	0	0	11	69	7	4	0	93	0	2	0	0	5	68	9	4	88
NEW JERSEY—																			
Bloomfield	0	1	3	18	0	39	4	28	0	93	----	----	----	----	----	----	----	----	----
Burlington [Schmidt]	0	16	8	4	4	7	25	12	17	93	1	2	2	1	0	3	22	9	40
Lambertville	3	6	2	10	7	20	1	37	0	86	----	----	----	----	----	----	----	----	----
Newark (*b*)	6	8	0	9	3	16	9	10	1	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	0	12	3	15	6	45	0	81	0	0	0	7	0	13	7	26	53
Cannonsburg	7	6	26	0	0	3	43	8	0	93	----	----	----	----	----	----	----	----	----
Carlisle	1	9	0	12	0	14	20	4	28	88	1	4	0	10	0	10	13	5	43
Chromedale	5	13	6	7	3	11	3	17	28	93	0	2	3	3	1	1	26	18	54
Easton	6	1	0	11	8	2	5	32	23	88	5	1	1	2	3	3	21	16	52
Gettysburg	6	3	2	7	11	27	13	14	10	93	3	1	1	6	1	10	23	21	66
Harrisburg	0	1	4	9	5	7	40	21	0	87	0	0	1	1	3	5	17	9	36
Lewisburg	----	----	----	----	----	----	----	----	----	----	4	1	0	4	5	7	17	7	45
Meadville (*a*)	2	0	0	1	2	2	4	8	16	35	0	1	0	0	1	3	10	2	17
Morrisville	2	9	1	2	6	32	12	8	21	93	0	3	4	1	1	8	27	8	52
Moss Grove	1	7	6	3	11	19	32	8	2	89	1	1	0	2	0	8	56	5	73
Nazareth	13	3	11	3	1	12	35	15	0	93	4	0	9	0	4	5	23	2	47
Norristown	0	4	12	6	8	31	17	3	0	81	0	0	16	1	0	4	33	1	55
North Whitehall (*a*)	2	2	0	0	0	0	3	2	0	9	----	----	----	----	----	----	----	----	----
Philadelphia	7	10	7	4	7	26	15	17	0	93	0	5	1	1	0	8	6	9	30
Pocopson	5	4	2	9	3	25	22	17	0	87	2	0	1	0	1	5	15	10	34
Somerset	2	1	4	7	6	10	39	24	0	93	2	7	33	10	1	1	2	4	60
West Haverford	2	7	4	3	2	14	7	14	9	62	3	3	0	0	0	4	15	17	42
MARYLAND—																			
Bladensburg	0	12	4	4	1	15	1	9	0	46	----	----	----	----	----	----	----	----	----
Frederick	6	7	5	5	5	18	16	5	15	82	3	2	1	1	2	5	24	8	46
Ridge	14	1	2	23	15	16	13	8	1	93	----	----	----	----	----	----	----	----	----
Sykesville	0	1	1	14	19	23	34	1	0	93	0	2	1	7	0	4	54	1	69
DISTRICT OF COLUMBIA—																			
Washington	0	14	1	10	0	44	6	16	2	93	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	16	18	4	8	19	15	4	9	0	93	----	----	----	----	----	----	----	----	----
Berryville	0	15	2	27	3	5	0	23	9	84	8	0	4	2	2	3	8	16	43
Crichton's Store (*a*)	30	3	2	6	13	32	3	1	3	93	1	0	0	0	0	19	38	2	60
Lewisburg	----	----	----	----	----	----	----	----	----	----	0	0	0	0	1	0	5	0	6
Mustapha	8	1	0	0	1	19	0	4	0	33	----	----	----	----	----	----	----	----	----
Poplar Grove	0	3	5	8	1	4	8	14	46	89	0	4	2	1	1	33	17	7	65
Portsmouth	11	10	4	7	15	25	6	12	1	91	----	----	----	----	----	----	----	----	----
Trout Run Valley	9	1	5	1	33	2	3	16	22	92	4	0	3	0	4	1	15	19	46
Wirt Court-house	0	3	0	29	0	0	0	1	60	93	0	38	0	16	0	0	0	1	55
NORTH CAROLINA—																			
Chapel Hill	18	6	6	2	7	2	39	4	0	84	5	2	0	2	4	19	14	6	52

a For changes in hours of observation, &c., see notes to table of thermometer for this month.
b Observations taken morning and evening.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—																			
All Saints	4	13	15	8	13	11	21	7	1	93	9	7	11	8	2	12	36	10	95
Camden	4	23	4	12	5	30	7	4	4	93	2	11	4	8	1	9	24	9	68
Charleston, [Johnson]	0	5	9	4	4	14	1	0	0	37	----	----	----	----	----	----	----	----	----
Charleston, [Dawson](*a*)	0	9	5	15	5	19	5	4	0	62	----	----	----	----	----	----	----	----	----
St. John's	0	8	1	23	1	17	0	12	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	13	4	7	20	23	13	7	6	0	93	1	0	1	0	0	0	2	0	4
Sparta	2	24	10	12	5	25	4	9	0	91	3	6	4	5	2	10	8	15	53
The Rock	27	24	13	10	0	3	2	14	0	93	0	0	0	0	0	0	0	1	1
Whitemarsh Island	5	9	8	9	22	8	14	0	17	92	0	8	5	15	2	8	12	9	59
Zebulon	2	4	25	2	2	2	15	3	0	55	9	0	14	0	3	0	8	11	45
FLORIDA—																			
Atsena	4	12	10	5	4	14	29	4	11	93	5	11	13	8	4	11	21	4	77
Gainesville (*b*)	3	16	8	4	9	34	6	12	0	92	0	1	0	1	0	0	0	0	2
Jacksonville	1	18	1	23	5	31	5	9	0	93	2	18	4	10	1	27	3	1	66
St. Augustine	0	18	3	28	1	23	1	18	1	93	0	13	0	15	0	46	0	6	80
Salt Ponds (*c*)	1	9	17	19	8	9	0	2	1	66	----	----	----	----	----	----	----	----	62
Warrington	0	10	1	23	0	46	0	10	0	90	0	18	0	4	0	3	0	5	30
ALABAMA—																			
Auburn	2	5	4	25	9	7	35	6	0	93	4	8	3	3	0	8	9	8	43
Carlowville	1	5	8	39	12	10	5	13	0	93	4	2	1	5	6	2	5	0	25
Greene Springs (*b*)	1	1	0	0	3	0	4	6	0	15	1	1	1	1	4	2	3	18	31
Greensborough (*b*)	7	0	4	20	13	11	2	18	0	75	4	5	6	6	6	4	8	7	46
MISSISSIPPI—																			
Columbus	8	12	11	6	8	15	12	20	0	92	1	4	6	6	5	8	10	14	54
TEXAS—																			
Austin	3	10	2	47	8	20	1	2	0	93	23	13	2	20	11	12	3	4	88
New Braunfels	2	2	39	9	21	2	1	0	17	93	1	3	0	1	1	2	0	0	8
Pin Oak (*b*)	1	1	3	12	6	7	0	1	0	31	----	----	----	----	----	----	----	----	----
Washington	3	0	0	0	28	0	0	0	0	31	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	2	13	4	18	13	8	2	4	29	93	1	4	4	2	6	14	42	10	83
Walnut Grove (*b*)	3	5	14	0	0	1	1	1	45	70	0	3	0	0	2	12	20	6	43
KENTUCKY—																			
Ballardsville	11	13	1	7	23	18	6	14	0	93	0	0	0	1	1	2	0	0	4
Danville	8	17	6	3	2	37	12	8	0	93	0	1	0	4	1	16	22	2	46
Millersburg	13	2	10	3	13	3	9	12	15	80	1	5	5	13	4	0	14	3	45
Paris	6	18	4	15	8	18	7	17	0	93	1	2	0	1	6	7	22	0	39
Springdale	3	4	9	3	7	21	3	6	37	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine (*b*)	0	1	1	4	4	24	10	6	0	50	0	0	0	2	1	28	7	4	42
Cheviot (*c*)	6	12	4	13	2	20	21	15	0	93	----	----	----	----	----	----	----	----	64
Cincinnati, [Harper]	2	10	7	0	0	3	24	6	0	52	0	1	1	0	0	0	1	0	3
Cincinnati, [Telegraph]	1	2	2	3	0	8	1	5	9	31	----	----	----	----	----	----	----	----	----
Cleveland	14	4	2	10	16	5	11	17	8	87	3	0	0	0	3	5	17	5	33
Dayton, [Fisher]	4	20	9	11	3	25	8	10	0	90	1	3	2	0	2	10	14	12	44
Germantown, [Groneweg]	15	20	0	8	0	33	0	8	0	84	3	9	0	4	0	30	0	7	53
Germantown, [Binkerd]	2	3	11	4	4	14	8	6	41	93	3	1	0	0	4	6	19	18	51
Granville	1	11	3	0	0	8	10	1	54	88	1	3	0	0	0	7	10	3	24
Hillsborough	0	25	0	14	2	34	0	17	1	93	0	2	0	1	1	18	2	19	43
Hiram	13	2	0	1	16	15	12	16	18	93	8	2	0	0	12	8	10	14	54
Jefferson	4	18	3	10	5	18	7	28	0	93	2	4	2	4	2	11	3	15	43
Oberlin	7	13	6	4	5	20	3	12	21	91	3	3	3	0	0	9	32	8	58
Savannah	0	4	1	1	2	44	27	14	0	93	0	1	0	0	2	28	10	8	49
Unionville	5	11	3	2	4	24	14	7	23	93	0	4	1	0	3	24	6	16	54
Urbana	0	10	1	19	2	17	3	8	0	60	0	5	2	0	3	11	22	11	54
MICHIGAN—																			
Ann Arbor, [Woodruff]	5	12	0	13	7	16	6	7	26	92	6	2	0	2	2	13	25	15	65
Battle Creek	6	3	5	8	25	18	10	1	16	92	1	1	0	2	1	10	43	1	59
Cooper	0	0	0	0	0	0	17	0	75	93	----	----	1	0	----	----	26	1	28

a Observations taken at sunrise and 4 p. m.
b For changes in hours of observation, &c., see notes to table of thermometer for this month.
c Velocity of clouds observed, but not the direction.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and ea-t.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Detroit	7	11	11	11	12	23	10	8	0	93	6	0	0	0	0	0	2	8	16
Eagle River	0	2	5	1	13	6	19	12	0	58	----	----	----	----	----	----	----	----	----
Grand Rapids, [Currier]	0	4	0	10	1	18	9	5	46	93	0	0	0	2	1	11	2	1	17
Holland	9	2	14	5	4	30	10	7	5	86	2	2	2	0	2	27	30	5	70
Monroe	0	39	4	17	1	23	6	2	0	92	5	30	0	6	0	16	4	15	76
Romeo (*a*)	2	2	8	2	17	8	29	6	11	85	5	0	0	0	0	1	17	4	27
INDIANA—																			
New Harmony	17	0	7	18	13	14	14	8	0	91	1	0	1	1	1	4	22	0	30
Richmond	0	5	4	5	1	21	4	7	43	90	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	----	----	----	----	----	----	----	----	----	----	1	2	0	0	0	7	24	21	55
Augusta	0	4	14	8	10	16	26	1	14	93	2	1	5	1	6	5	35	2	57
Brighton	8	14	4	3	5	38	9	12	0	93	1	1	5	4	0	2	1	2	16
Manchester (*a*)	10	3	0	0	16	22	28	14	0	93	6	4	1	3	9	15	22	8	68
Marengo	0	7	7	10	30	30	6	1	2	93	1	1	0	0	0	0	0	1	3
Ottawa	2	11	3	13	10	27	8	8	2	84	3	1	1	1	3	5	3	5	22
Riley	0	5	7	4	3	4	6	14	9	52	----	----	----	----	----	----	----	----	----
Upper Alton	----	----	----	----	----	----	----	----	----	----	3	5	0	1	9	8	0	15	41
Warsaw	2	4	8	19	8	32	7	12	0	92	9	3	5	2	1	15	3	19	57
West Salem	5	4	1	6	18	9	6	4	40	93	2	2	0	0	3	14	37	3	61
MISSOURI—																			
Palmyra	6	4	4	17	12	23	17	15	24	122	6	3	4	8	7	9	27	9	73
St. Louis	9	17	15	14	10	9	9	10	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	1	16	2	0	5	38	9	22	0	93	1	11	2	0	4	31	7	37	93
Beloit	13	6	5	11	30	12	9	6	0	92	0	0	3	1	3	0	4	0	11
Bay City (*a*)	5	5	0	0	0	5	3	0	0	18	----	----	----	----	----	----	----	----	----
Janesville	6	5	4	20	18	15	10	4	11	93	----	----	----	----	----	----	----	----	----
Kenosha	1	7	6	5	12	5	5	3	45	89	----	----	----	----	----	----	----	----	----
Madison, [Schue]	2	2	8	12	20	20	17	8	0	89	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	3	12	16	29	3	9	14	7	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	6	9	6	29	1	5	14	14	0	84	----	----	----	----	----	----	----	----	----
Norway	5	5	2	3	30	19	12	2	12	90	0	0	0	0	0	4	43	4	51
Platteville	2	2	5	30	3	23	18	10	0	93	1	0	0	2	0	16	50	3	72
Racine, [Seymour]	0	8	1	2	3	10	1	1	1	27	----	----	----	----	----	----	----	----	----
Superior	3	30	6	0	2	35	4	13	0	93	2	29	4	0	2	34	6	16	93
Waukesha	2	14	10	11	23	18	12	2	0	92	1	1	1	0	2	1	4	0	10
IOWA—																			
Border Plains	7	1	3	38	24	10	4	6	0	93	11	1	6	1	9	5	20	6	59
Fort Madison (*a*)	2	10	2	52	7	13	1	6	0	93	1	3	1	0	0	13	34	8	60
Franklin	0	1	3	12	15	26	15	5	16	93	----	----	----	----	----	----	----	----	----
Muscatine	2	9	4	24	12	17	22	3	0	93	0	2	0	6	0	22	0	6	36
Pleasant Plain	3	2	3	4	12	5	3	1	0	33	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Hazlewood	0	2	0	6	48	5	2	29	0	92	0	0	1	0	5	2	2	0	10
CALIFORNIA—																			
Sacramento	6	1	1	17	32	27	2	7	0	93	1	1	0	2	0	0	0	1	5
Stockton	0	2	0	0	0	0	3	26	0	31	----	----	----	----	----	----	----	----	----
MEXICO—																			
City of Mexico	31	7	9	30	1	1	2	11	1	93	5	3	4	6	2	1	1	6	28
SOUTH AMERICA—																			
Catharina Sophia, Sur'm (*a*)	1	45	17	12	8	9	0	0	1	93	1	24	51	19	0	0	2	0	97
Colonia Tovar, Venezuela	----	----	----	----	----	----	----	----	----	----	0	3	13	35	1	0	0	0	52

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	16	13	3	7	9	9	20	17	0	94	10	12	5	4	9	8	17	15	80
St. John's (*a*)	6	0	1	2	11	7	3	18	0	48	----	----	----	----	----	----	----	----	----
St. Martin	2	12	2	15	3	32	7	20	0	93	----	----	----	----	----	----	----	----	----
Toronto (*a*)	5	12	0	7	2	22	3	33	9	93	----	----	----	----	----	----	----	----	----
MAINE—																			
Cornish (*b*)	4	6	4	23	8	7	9	26	0	87	----	----	----	----	----	----	----	----	----
Gardiner	1	10	6	30	6	10	3	9	18	93	0	3	2	5	3	7	3	13	36
Monson	0	3	6	6	10	4	1	23	0	53	3	2	0	2	0	0	0	3	10
Perry	3	3	6	22	26	17	4	12	0	93	1	2	6	4	8	14	3	11	49
Portland	5	9	18	15	17	4	16	8	1	93	0	0	1	0	0	5	16	2	24
Steuben	1	21	2	14	2	36	2	9	6	93	2	9	0	2	2	13	11	4	43
NEW HAMPSHIRE—																			
Barnstead	2	5	17	11	0	7	7	44	0	93	3	15	10	30	0	7	0	6	71
Concord	0	13	21	0	7	11	3	26	12	93	----	----	----	----	----	--	----	----	----
Manchester (*a*)	3	3	4	17	5	8	14	9	2	65	0	3	5	17	2	7	15	5	54
Stratford	0	0	19	2	4	9	9	2	0	45	0	0	5	3	4	12	17	11	52
West Enfield	14	4	2	10	16	13	14	20	0	93	14	3	2	8	7	8	1	22	65
VERMONT—																			
Brandon	14	0	5	16	19	9	6	18	6	93	7	0	0	0	2	8	13	21	51
Burlington	34	2	1	6	34	4	6	6	0	93	0	0	0	0	0	0	3	0	3
Craftsbury	5	14	7	5	25	15	15	7	0	93	4	8	1	2	8	13	21	12	69
Shelburn	13	1	0	3	42	4	4	23	0	90	0	7	9	18	1	0	0	0	35
MASSACHUSETTS—																			
Amherst	5	3	2	30	5	11	7	21	1	85	2	3	0	7	6	7	6	11	42
Bridgewater (*a*)	3	14	9	8	5	23	11	20	0	93	5	24	11	19	3	14	9	8	93
Cambridge (*a*)	0	7	7	4	3	19	7	11	24	82	----	----	--	----	----	--	----	----	----
Mendon	1	6	9	7	3	35	7	25	0	93	0	6	9	7	5	30	11	25	93
Nantucket	9	19	2	10	6	24	3	7	13	93	----	----	----	----	----	----	----	----	----
New Bedford	1	11	2	17	2	27	3	29	1	93	3	4	1	6	5	7	11	7	44
Newburyport	4	12	14	9	15	4	18	14	0	90	----	----	----	----	----	----	----	----	----
North Attleborough	7	7	6	7	29	10	10	17	0	84	7	3	11	2	15	6	19	8	71
Princeton	2	14	14	7	0	12	21	23	0	93	1	11	14	6	0	12	20	15	79
Richmond (*a*)	0	8	0	12	0	34	0	21	0	75	0	7	0	14	1	32	0	13	67
Westfield	0	4	9	14	6	9	29	32	0	93	----	----	----	----	----	----	----	----	----
Weymouth	0	5	0	21	3	11	6	16	0	62	----	----	----	----	----	----	----	----	----
Williamstown (*a*)	5	1	8	9	9	6	5	25	2	70	0	0	0	5	0	0	3	2	10
Worcester	19	1	3	13	11	17	20	9	0	93	0	0	0	0	0	0	4	0	4
RHODE ISLAND—																			
Providence (*a*)	3	11	4	9	8	24	10	22	1	92	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	4	20	6	14	32	10	3	3	1	93	6	13	11	10	3	3	3	2	51
New London	2	6	4	13	9	30	5	24	0	93	----	----	----	----	----	----	----	----	----
Norwich	1	19	0	11	1	23	2	4	28	89	----	----	----	----	----	--	----	----	----
Pomfret	5	6	5	11	10	16	5	35	0	93	4	5	4	8	7	17	7	16	68
Saybrook	8	3	4	13	3	29	4	16	13	93	3	2	2	4	1	6	17	4	39
Wallingford	4	0	1	17	5	15	6	25	20	93	4	2	4	12	1	17	27	6	73
NEW YORK—																			
Angelica	3	1	1	8	9	18	35	18	0	93	0	1	0	2	3	16	25	1	48
Baldwinsville	10	2	3	0	4	16	19	26	0	80	10	1	1	0	3	1	30	18	64
Beverly	9	7	0	10	13	27	0	20	6	92	4	9	2	9	3	20	12	16	75
Blackwell's Island	6	20	17	12	5	14	10	9	0	93	6	11	13	7	5	12	9	7	70
Cazenovia	9	6	0	4	8	10	33	25	2	91	9	0	0	4	2	11	44	11	81
Clinton	1	5	8	16	5	20	36	2	0	93	1	0	0	1	4	6	23	7	42
Fishkill Landing (*a*)	0	2	4	1	0	0	0	0	0	7	----	----	----	----	----	----	----	----	----
Flatbush	9	7	3	11	15	13	9	26	0	93	1	2	3	2	2	8	14	25	57
Geneva	3	2	0	9	14	7	30	15	13	93	0	0	0	0	0	4	48	3	55
Houseville	13	2	2	6	16	23	11	20	0	93	7	1	0	5	5	24	10	15	70
Lodi	8	0	0	4	10	12	19	33	7	93	2	1	0	2	1	7	23	24	60
Lowville	10	3	3	7	11	11	21	27	0	93	12	5	0	1	5	7	26	10	66
Mexico	7	0	8	14	16	4	22	22	0	93	3	0	0	2	2	7	36	9	59

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

b Velocity of clouds observed, but not the direction.

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
New York city	2	5	5	23	0	13	24	21	0	93	0	2	10	5	1	14	36	4	72
North Salem	4	5	1	17	18	15	6	27	0	93	----	----	----	----	----	----	----	----	----
Ogdensburg	2	3	0	0	0	5	6	3	0	19	----	----	----	----	----	----	----	----	----
Oswego	3	11	7	3	13	14	36	2	4	93	----	----	----	----	----	----	----	----	----
Ovid	9	0	0	3	20	10	24	27	0	93	1	0	0	2	19	4	23	26	75
Penn Yan (*a*)	15	8	0	0	10	10	47	3	0	93	----	----	----	----	----	----	----	----	----
Plainville	2	6	0	4	1	6	29	18	0	66	0	4	42	9	2	2	0	4	63
Rochester, [Harkness]	9	3	3	4	4	21	23	26	0	93	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	8	2	2	3	3	18	20	24	0	80	4	2	1	2	4	1	20	25	59
Sag Harbor	10	5	14	6	20	8	16	14	0	93	----	----	----	----	----	----	----	----	----
Spencertown	6	5	0	7	3	24	4	44	0	93	2	4	0	5	1	12	11	40	75
Utica	0	2	19	8	1	3	7	18	0	58	----	----	----	----	----	----	----	----	----
Wampsville	2	0	2	4	16	6	45	18	0	93	1	0	2	4	16	8	41	13	85
Watertown	0	22	0	6	4	41	19	1	0	93	----	----	----	----	----	----	----	----	----
NEW JERSEY—																			
Bloomfield	6	2	6	9	1	24	9	29	0	86	----	----	----	----	----	----	----	----	----
Burlington, [Schmidt]	3	12	3	9	6	17	27	15	1	93	3	1	0	1	6	17	19	11	58
Lambertville (*b*)	2	7	0	17	4	18	4	35	0	87	----	----	----	----	----	----	----	----	----
Newark	4	3	2	9	2	14	5	20	3	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	2	0	9	0	15	2	47	0	75	0	2	0	4	0	16	4	28	54
Cannonsburg	6	0	19	0	0	3	58	7	0	93	----	----	----	----	----	----	----	----	----
Carlisle	2	1	1	4	5	6	6	16	47	88	3	1	1	3	5	4	9	11	37
Chromedale	6	3	0	10	4	8	2	25	35	93	2	6	0	6	2	7	28	12	63
Easton	14	2	0	11	6	0	8	28	24	93	4	2	0	4	5	4	25	19	63
Gettysburg	11	3	1	3	9	15	11	29	11	93	2	1	0	4	2	15	24	20	68
Harrisburg	4	1	0	10	8	0	29	38	0	90	3	1	0	2	3	2	15	15	41
Lewisburg	7	10	2	6	11	10	18	4	25	93	4	2	1	0	3	9	17	5	41
Meadville	4	0	0	3	4	6	4	17	52	90	2	0	0	2	2	10	21	18	55
Morrisville	2	1	2	5	4	20	11	2	13	60	1	1	0	4	1	17	17	3	44
Nazareth	20	4	3	3	5	19	22	17	0	93	15	0	1	1	5	5	23	5	55
Norristown	1	1	0	13	5	28	20	10	0	78	0	0	7	2	0	19	29	3	60
North Whitehall (*a*)	0	0	1	0	0	1	6	10	0	18	----	----	----	----	----	----	----	----	----
Philadelphia	5	6	6	11	6	20	18	21	0	93	1	0	2	0	4	17	11	7	42
Pocopson	6	1	0	2	7	30	31	15	0	92	3	2	0	2	2	7	19	7	42
Somerset	6	3	0	8	4	20	20	32	0	93	0	10	31	19	2	2	0	3	67
West Haverford	4	2	0	8	0	14	15	14	5	62	1	6	3	2	0	1	16	18	47
MARYLAND—																			
Bladensburg	3	2	1	3	0	8	1	15	0	33	----	----	----	----	----	----	----	----	----
Frederick	6	1	1	1	6	18	23	14	19	89	0	1	0	1	8	5	45	10	70
Sykesville	1	2	5	16	1	13	35	20	0	93	0	0	2	7	0	2	55	2	68
DISTRICT OF COLUMBIA—																			
Washington	0	4	2	7	2	22	17	33	6	93	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	26	15	2	9	15	6	0	20	0	93	----	----	----	----	----	----	----	----	----
Berryville	10	6	2	8	1	12	5	13	8	65	8	3	0	0	3	5	6	3	28
Crichton's Store (*a*)	21	3	3	3	30	18	5	9	1	93	0	0	0	0	2	26	31	3	62
Lewisburg	0	0	0	0	0	0	1	1	0	2	0	0	0	0	2	7	11	4	24
Mustapha	10	1	0	0	0	16	3	1	0	31	0	0	0	0	1	1	0	0	2
Poplar Grove	0	4	5	0	0	2	19	8	47	85	0	0	0	0	0	11	42	24	77
Portsmouth	15	10	7	8	17	12	12	10	0	91	----	----	----	----	----	----	----	----	----
Trout Run Valley	5	0	0	1	39	0	9	13	26	93	4	0	0	0	1	2	19	24	50
Wirt Court-House	0	16	0	22	0	0	0	0	55	93	0	66	0	9	0	2	0	0	77
NORTH CAROLINA—																			
Chapel Hill	13	16	4	1	4	8	39	8	0	93	3	2	0	0	2	21	29	4	61
Goldsborough	5	11	11	5	17	15	6	8	13	91	1	4	0	1	9	22	3	2	42
SOUTH CAROLINA—																			
All Saints	7	14	8	7	12	15	19	11	0	93	4	12	10	3	1	12	49	4	95
Camden	0	23	5	7	5	30	8	8	6	92	2	7	5	5	2	12	29	11	73
Charleston, [Johnson]	0	3	6	1	5	12	5	6	0	38	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*c*)	0	12	3	13	2	22	4	6	0	62	----	----	----	----	----	----	----	----	----

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

b Observations taken a. m. and p. m.

c Observations taken at sunrise and 4 p. m.

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—Contin'd.																			
Edisto Island (*a*)	3	4	12	7	7	7	2	6	0	48	0	0	4	3	1	2	3	5	18
St. John's	0	9	0	22	0	22	0	9	0	62									
GEORGIA—																			
Savannah	8	2	8	19	30	13	6	7	0	93	0	0	0	0	0	0	1	0	1
Sparta	7	19	7	7	7	19	6	19	0	91	1	5	3	4	1	15	14	9	52
Thomaston (*a*)	9	11	8	11	0	19	11	26	0	95	0	0	0	0	0	3	0	2	5
Whitemarsh Island	2	4	7	10	29	12	17	7	5	93	4	3	0	9	1	4	17	12	50
Zebulon	0	2	3	1	0	2	9	3	0	20	0	0	0	0	0	0	1	0	1
FLORIDA—																			
Atsena	2	5	14	12	6	12	24	12	5	92	1	5	16	11	6	5	11	4	59
Gainesville (*a*)	3	14	7	9	12	25	14	9	0	93									
Jacksonville	3	13	2	27	6	34	2	5	1	93	0	3	3	15	0	37	8	0	66
St. Augustine	0	5	7	45	1	20	0	15	0	93	0	0	0	40	0	42	0	8	90
Salt Ponds	3	7	5	20	17	3	2	6	2	65									
Warrington	0	15	0	16	4	43	4	11	0	93	4	17	2	7	0	6	0	7	43
ALABAMA—																			
Auburn	12	4	4	14	28	12	9	10	0	93	7	7	3	3	17	4	9	3	53
Carlowville	5	9	11	28	16	9	7	8	0	93	5	0	4	6	7	2	1	1	26
Greensborough (*a*)	3	4	0	23	13	0	1	16	0	60	5	2	1	7	6	3	9	8	41
MISSISSIPPI—																			
Columbus	15	10	9	3	13	8	8	23	0	89	4	6	1	1	7	6	4	17	46
TEXAS—																			
Austin	11	8	4	33	16	16	0	5	0	93	22	11	4	19	11	13	0	5	85
New Braunfels	7	2	16	30	18	1	2	2	15	93									
Pin Oak (*a*)	1	1	0	14	1	9	3	2	0	31									
Washington	3	0	1	0	26	0	1	0	0	31									
TENNESSEE—																			
Glenwood	11	15	3	7	10	11	10	8	18	93	3	4	1	1	1	14	44	11	79
Walnut Grove (*a*)	2	7	6	0	0	1	1	1	27	45	0	2	0	1	0	13	12	1	29
KENTUCKY—																			
Ballardsville	15	14	1	1	16	11	8	27	0	93	0	0	1	0	2	6	10	7	26
Millersburg	6	2	7	1	1	2	19	8	1	47	1	1	0	1	1	3	43	0	50
Paris	7	14	0	4	4	15	6	43	0	93	2	0	0	0	6	6	26	2	42
Springdale	5	10	3	1	1	15	7	16	35	93									
OHIO—																			
Bellefontaine	2	4	2	3	8	16	21	19	0	75	3	1	0	1	4	23	13	24	69
Cheviot	16	12	6	8	3	16	19	13	0	93	0	0	0	1	0	1	1	0	3
Cincinnati, [Harper]	12	2	2	0	0	5	45	27	0	93									
Cleveland	18	2	0	10	31	4	4	18	2	89	6	0	0	1	1	3	17	22	50
Dayton, [Fisher]	23	13	0	4	10	24	2	13	0	89	10	5	0	2	3	13	3	9	45
Germantown, [Groneweg]	32	3	0	11	1	21	0	8	0	76	9	0	0	5	0	21	1	6	42
Germantown, [Binkerd]	6	8	0	2	2	11	7	9	41	86	3	1	0	0	2	4	18	16	44
Granville	0	5	0	0	0	13	16	0	57	91	0	1	0	0	0	9	12	1	23
Hillsborough	3	21	1	6	1	27	7	18	0	84	0	1	0	0	0	14	7	15	37
Hiram	11	0	0	2	7	14	16	18	25	93	7	0	0	0	4	4	36	11	62
Jefferson	0	10	2	9	8	15	6	43	0	93	0	0	0	4	7	10	6	26	53
Oberlin (*a*)	2	2	1	3	3	13	6	21	19	70	1	1	2	0	0	5	26	16	51
Savannah	4	0	0	4	0	13	28	44	0	93	1	0	0	3	0	6	24	27	61
Unionville	15	5	2	1	4	18	12	17	19	93	2	0	0	2	1	7	26	30	68
Urbana	3	4	0	12	0	10	3	16	0	48	3	0	0	2	0	12	23	14	54
MICHIGAN—																			
Ann Arbor, [Woodruff]	4	2	1	2	10	11	8	27	23	91	1	2	0	0	2	4	22	25	56
Battle Creek	17	0	1	1	13	7	11	14	29	93	5	0	0	0	0	5	29	10	49
Cooper	0	0	0	0	2	1	27	0	63	93	0	0	0	0	2	0	8	2	12
Detroit	2	12	3	4	9	46	6	11	0	93	2	0	1	0	0	2	2	5	12
Eagle River	1	11	1	0	3	1	15	8	0	40									
Grand Rapids, [Currier]	0	11	0	6	0	24	6	10	36	93	0	0	0	0	0	4	8	5	17
Holland	17	4	14	2	12	6	17	21	0	93	16	1	0	0	3	4	26	19	69
Monroe	2	23	1	5	3	8	0	48	0	90	0	11	0	2	0	0	0	79	92
Romeo (*a*)	10	4	3	1	9	6	10	27	10	80	10	0	0	0	3	3	16	9	41

a For changes in hours of observation, &c., see notes to table of the thermometer for this month.

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
INDIANA—																			
New Harmony	26	2	5	9	6	5	12	16	0	81	2	0	0	1	1	2	19	5	30
Richmond	5	10	0	1	3	13	4	8	38	82	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	3	19	1	12	8	10	4	14	0	71	0	0	0	0	0	2	13	39	54
Augusta	3	8	13	6	13	11	14	10	15	93	2	1	0	0	8	2	21	4	38
Brighton	6	25	5	5	9	19	10	14	0	93	3	5	0	4	1	3	0	2	18
Manchester (*a*)	17	0	2	3	8	8	21	34	0	93	2	0	0	0	3	10	25	18	58
Marengo	0	24	1	8	9	42	4	5	0	93	0	1	0	0	0	0	0	0	1
Ottawa	10	10	1	1	22	12	6	13	2	77	3	1	0	0	3	1	3	8	19
Peoria	12	5	6	0	9	18	21	22	0	93	0	0	0	0	1	2	3	8	14
Riley	1	1	13	8	3	12	7	18	15	78	...	----	----	----	----	----	----	----	----
Upper Alton	0	0	0	0	3	4	0	14	0	21	12	11	0	1	0	4	3	15	46
Warsaw	9	18	3	19	9	10	5	20	0	93	4	2	0	2	3	10	4	31	56
West Salem	14	5	2	5	9	5	1	8	44	93	3	0	0	0	0	5	40	8	56
MISSOURI—																			
Palmyra	12	3	2	14	18	20	7	15	21	112	8	1	0	5	3	5	32	8	62
St. Louis	14	12	12	11	6	7	12	12	0	86	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	0	21	0	1	3	22	11	35	0	93	0	18	0	0	3	19	13	40	93
Beloit	30	6	1	8	16	15	10	7	0	93	3	0	0	0	0	1	5	1	10
Janesville	9	8	9	8	14	12	7	10	16	93	0	0	1	0	0	0	1	0	2
Kenosha	3	8	10	3	12	5	4	9	31	88	----	----	----	----	----	----	----	----	----
Madison, [Schue]	1	1	6	7	22	8	27	12	2	86	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	4	27	13	21	3	5	10	10	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	3	11	3	36	0	13	10	12	0	88	----	----	----	----	----	----	----	----	----
Norway	9	5	12	8	11	8	25	9	6	93	0	2	0	0	0	4	50	6	62
Platteville	8	10	1	21	6	10	10	27	0	93	1	5	6	23	6	3	2	12	58
Superior	3	39	3	0	5	23	3	24	0	91	1	33	1	0	3	28	2	22	90
Waukesha	7	10	10	11	5	22	13	15	0	93	5	0	0	0	0	2	19	13	39
IOWA—																			
Border Plains	10	1	4	12	20	9	8	28	1	93	8	0	1	1	2	1	4	7	24
Fort Madison (*a*)	3	15	9	10	8	22	1	21	4	93	3	0	0	0	0	1	23	20	47
Franklin	9	2	1	5	13	11	7	10	35	93	----	----	----	----	----	----	----	----	----
Muscatine	0	12	0	17	0	37	2	25	0	93	0	2	0	2	0	21	1	23	49
Pleasant Plains	6	5	1	2	6	4	1	7	0	32	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Hazlewood	1	0	2	4	25	5	4	49	0	90	0	0	1	3	1	0	6	0	11
CALIFORNIA—																			
Sacramento	2	3	2	31	33	13	4	5	0	93	1	0	0	3	5	7	0	0	16
MEXICO—																			
City of Mexico	26	14	18	2	1	0	2	28	0	91	6	3	6	2	2	0	2	2	23
Vera Cruz	1	11	9	4	3	11	3	5	6	53	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
CatharinaSophia,Sur'm(*a*)	0	31	23	27	7	3	0	2	0	93	1	4	50	33	2	0	0	1	91
Tovar, Venezuela	5	1	1	0	0	0	2	2	0	11	4	6	9	23	8	1	0	0	51

a For changes in hours of observation, &c., see notes to table of the thermometer for this month.

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	18	5	6	2	9	31	13	20	1	105	14	3	5	2	5	15	15	18	77
St. John's (*a*)	8	0	0	0	7	12	5	34	0	66									
St. Martin	0	15	0	11	2	38	6	18	0	90	0	0	0	2	0	0	0	0	2
Toronto (*a*)	0	13	3	12	3	23	4	28	4	90									
Wolfville	2	5	4	11	8	18	17	14	8	87	3	3	1	10	9	16	14	16	72
MAINE—																			
Carmel (*a*)	0	2	1	5	0	10	10	7	14	49	0	1	0	5	0	8	5	3	22
Cornish (*a*)	2	5	0	5	5	1	11	22	0	51	0	0	0	0	0	1	0	0	1
Gardiner	0	12	1	20	2	22	3	13	17	90	1	2	1	4	2	17	4	11	42
Monson	4	0	5	12	8	5	5	38	13	90									
Perry	1	2	1	6	18	25	5	32	0	90	1	2	0	3	2	13	5	11	37
Portland	5	10	15	6	12	13	12	11	0	84	2	0	0	1	1	11	8	4	27
Steuben	1	8	1	9	2	21	3	14	4	63	2	1	0	0	0	11	8	10	32
NEW HAMPSHIRE—																			
Barnstead	0	0	0	5	0	13	14	58	0	90	1	19	10	37	0	3	0	0	70
Concord	0	8	0	22	0	25	0	35	0	90									
Manchester	0	3	4	10	8	14	18	25	1	83	1	1	7	10	5	9	26	4	63
Stratford	2	0	8	1	0	6	2	1	0	20	1	0	1	2	1	11	12	5	33
West Enfield	0	0	0	10	18	13	18	31	0	90	4	1	0	6	1	6	3	28	49
VERMONT—																			
Brandon	6	0	2	18	23	9	6	19	7	90	2	0	0	1	3	7	20	15	48
Burlington	18	8	1	8	46	0	9	0	0	90	0	0	0	0	0	0	3	0	3
Craftsbury	4	12	6	10	21	15	13	9	0	90	3	5	0	3	3	11	22	16	63
Shelburn	14	0	0	0	61	5	1	9	0	90	1	15	14	8	0	0	0	1	39
MASSACHUSETTS—																			
Amherst	3	1	0	41	3	6	4	32	0	90	1	0	1	3	2	15	10	11	43
Boston	5	9	15	14	12	51	27	47	0	180									
Bridgewater (*a*)	5	11	15	3	4	33	10	9	0	90									
Cambridge (*a*)	2	6	4	3	1	27	5	3	29	80									
Mendon	2	5	4	3	2	34	6	34	0	90	3	5	4	3	2	36	8	29	90
Nantucket	5	14	4	8	9	34	2	8	6	90									
New Bedford	7	9	0	15	3	33	13	10	0	90	0	2	0	4	1	10	16	15	48
Newburyport	3	1	18	8	12	9	17	10	0	78	0	0	0	0	1	0	2	0	3
North Attleborough	16	4	9	4	27	15	9	6	0	90	6	4	7	3	19	8	10	2	59
Princeton	0	5	16	5	0	12	38	13	1	90	1	3	12	3	0	8	32	6	65
Richmond	1	3	1	15	1	44	0	25	0	90	1	1	0	14	5	26	3	12	62
Westfield	3	3	13	11	9	15	13	23	0	90									
Weymouth	3	0	0	14	1	22	5	15	0	60									
Williamstown	3	0	3	21	14	15	4	29	0	89	0	0	0	6	0	2	1	7	16
Worcester	19	1	0	2	6	23	30	9	0	90									
RHODE ISLAND—																			
Providence (*a*)	6	15	3	4	1	28	5	27	0	89									
CONNECTICUT—																			
Georgetown	15	17	3	10	19	13	9	4	0	90	2	22	16	4	2	1	2	5	54
New London	0	8	8	9	6	42	0	17	0	90									
Norwich	0	11	0	17	0	23	2	1	34	88									
Pomfret	4	11	0	12	5	32	3	23	0	90	2	4	0	10	4	20	5	9	54
Saybrook	9	4	3	12	2	34	6	12	7	89	0	3	0	4	3	8	13	6	37
Wallingford	12	2	1	7	14	21	3	11	19	90	1	4	0	4	4	15	16	5	49
NEW YORK—																			
Angelica	1	5	1	8	5	24	42	4	0	90	0	0	0	2	0	18	5	1	26
Baldwinsville	0	0	8	7	3	12	29	17	3	79	0	0	0	0	1	2	31	10	44
Beverly	10	5	0	7	14	32	0	10	4	82	1	1	0	11	9	21	7	2	52
Blackwell's Island	4	23	22	14	10	2	4	11	0	90	1	21	17	8	9	2	4	9	71
Cazenovia	4	0	0	3	10	25	10	28	9	89	3	0	0	4	10	12	21	21	71
Clinton	2	2	8	11	10	15	33	8	1	90	1	0	0	4	4	8	29	4	50
Flatbush	10	6	4	5	22	21	6	16	0	90	0	2	0	3	4	12	7	12	40
Geneva	6	3	1	7	23	9	20	4	17	90	0	0	1	0	4	3	26	5	39
Lodi	9	2	0	10	19	14	9	21	6	90	1	0	0	0	3	6	16	15	41
Lowville	16	3	0	5	15	13	13	25	0	90	3	1	0	0	5	14	30	9	62

c For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
McGrawville	6	9	7	7	0	8	36	17	0	90									
Mexico	31	12	20	1	4	0	2	20	0	90	2	1	0	1	3	8	31	2	48
New York city	3	3	1	20	1	18	15	29	0	90	0	1	1	14	0	13	23	1	53
North Salem	2	2	3	17	19	26	3	18	0	90									
Ogdensburg	9	1	1	3	5	9	0	2	0	30									
Oswego	5	12	3	12	19	6	26	2	4	89	0	0	1	0	0	0	0	0	1
Ovid	7	2	2	9	9	30	17	13	1	90	5	0	0	1	3	19	15	20	63
Penn Yan (*a*)	9	4	0	0	29	15	39	3	0	90									
Plainville	1	3	2	4	6	6	35	18	0	75									
Rochester, [Harkness]	6	9	1	6	7	30	21	10	0	90									
Rochester, [Pratt]	7	10	1	6	7	30	20	9	0	90	1	1	0	2	0	5	24	7	40
Sag Harbor	4	9	7	10	23	17	8	12	0	90	1	2	4	0	8	15	12	10	52
Spencertown	25	4	2	9	15	18	9	8	0	90	7	4	0	2	4	11	15	26	69
Utica	0	0	13	16	5	4	13	3	0	54									
Wampsville	0	0	3	4	28	15	37	3	0	90	0	0	4	3	16	11	31	3	68
Watertown	2	19	0	0	2	34	25	8	0	90	1	20	1	0	0	39	19	8	79
NEW JERSEY—																			
Bloomfield	3	5	0	13	1	39	4	26	0	91									
Burlington, [Schmidt]	3	6	8	10	13	16	23	7	3	89	2	2	2	6	1	12	15	6	46
Lambertville	4	5	0	6	13	27	2	19	0	76									
Newark (*a*)	7	6	0	9	1	28	2	8	0	61									
Salem	6	7	3	6	16	15	4	12	15	84	2	2	2	1	1	0	0	0	8
PENNSYLVANIA—																			
Bedford	0	0	0	3	3	22	6	44	0	78	0	0	0	1	2	14	5	24	46
Cannonsburg	1	1	12	0	0	4	68	4	0	90									
Carlisle	1	5	0	13	2	12	7	8	40	88	0	2	0	8	2	9	4	10	35
Chromedale	7	8	2	7	7	14	1	8	36	90	2	0	0	2	0	14	22	5	45
Easton	6	2	2	9	11	4	11	17	28	90	1	2	0	2	2	9	19	9	44
Gettysburg	13	4	0	0	11	33	12	5	12	90	2	1	0	0	3	22	20	3	51
Harrisburg	6	0	2	18	7	4	14	29	0	80	1	0	1	8	4	1	10	11	36
Lewisburg	5	1	1	4	11	21	16	6	25	90	1	0	1	2	6	13	11	3	37
Meadville	1	0	0	3	17	4	10	12	13	90	0	0	0	0	3	12	25	4	44
Morrisville	5	1	1	2	14	27	7	10	23	90	1	0	0	2	3	14	22	3	45
Moss Grove	3	1	1	0	17	13	31	21	0	87	0	0	1	0	0	17	27	11	56
Nazareth	17	4	1	6	14	9	15	4	20	90	8	0	2	1	14	3	11	3	42
Norristown	0	1	4	4	7	30	32	0	0	78	3	0	2	1	2	9	27	2	46
North Whitehall (*a*)	4	4	1	1	4	6	7	1	0	28									
Philadelphia	5	11	6	6	12	24	8	18	0	90	0	0	1	0	1	5	4	0	11
Pocopson	11	1	2	2	5	38	18	7	0	84	1	0	1	1	5	9	18	2	37
Somerset	3	1	2	7	3	28	27	19	0	90	1	16	17	11	0	0	0	1	46
Tarentun	18	1	1	2	4	16	15	11	22	90	1	0	0	1	0	5	58	2	67
West Haverford	3	3	2	6	2	21	6	14	3	60	5	3	1	3	2	5	12	4	35
MARYLAND—																			
Bladensburg	1	7	1	4	4	8	0	5	0	30									
Frederick	0	5	1	6	10	13	11	13	30	89	2	0	0	0	2	9	28	3	44
Ridge	13	8	3	14	19	20	1	7	0	85									
Sykesville	0	5	5	9	0	10	55	6	0	90	1	1	2	4	1	4	41	1	55
DISTRICT OF COLUMBIA—																			
Washington	0	9	2	11	5	37	4	12	10	90									
VIRGINIA—																			
Alexandria	15	7	3	11	33	5	3	13	0	90									
Berryville	7	2	3	6	8	3	0	9	4	42	0	1	0	0	4	4	5	0	14
Crichton's Store (*a*)	23	10	0	3	33	11	2	0	7	89	0	0	0	0	0	16	26	0	42
Lewisburg	1	0	0	0	0	0	1	0	0	2	2	0	0	0	1	0	33	0	36
Mustapha	4	0	0	0	11	1	2	0	0	18									
Poplar Grove	0	0	10	2	0	8	13	4	38	75	0	0	0	1	2	16	24	15	58
Portsmouth	15	14	4	7	11	12	2	5	0	70									
Trout Run Valley	2	0	0	0	44	1	6	9	28	90	1	0	0	2	2	4	4	14	27
Wirt Court-House	0	12	0	31	0	0	0	0	43	89	0	41	0	14	0	0	0	0	55

(*a*) For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—																			
Chapel Hill	15	3	6	3	12	14	32	5	0	90	5	2	0	1	7	14	17	3	49
Goldsborough	9	8	4	3	26	5	6	7	16	84	5	0	1	0	3	4	0	0	13
SOUTH CAROLINA—																			
All Saints	8	17	6	13	7	2	9	28	0	90	3	9	0	5	2	12	34	8	73
Camden	4	9	3	11	9	19	5	19	11	90	6	9	3	4	2	12	8	14	58
Charleston, [Johnson]	2	15	9	16	1	4	0	3	0	50	----	----	----	----	----	----	----	----	----
Charleston, [Dawson]	2	22	4	15	0	7	2	8	0	60	----	----	----	----	----	----	----	----	----
Columbia	7	7	5	12	14	17	13	15	0	90	8	10	9	5	5	3	4	9	53
Edisto Island	24	13	11	20	7	4	4	7	0	90	3	1	0	1	0	5	0	5	15
St. John's	0	6	0	25	0	10	1	18	0	60	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	14	8	16	26	7	4	4	11	0	90	0	0	0	0	0	0	1	0	1
Sparta	4	17	14	10	4	12	4	14	0	79	5	6	3	6	0	5	8	7	40
Thomaston	9	10	7	34	6	6	2	16	0	90	0	0	0	0	0	1	0	2	3
Whitemarsh Island	12	15	4	13	5	3	4	9	25	90	4	9	3	6	2	5	6	6	41
Zebulon	0	4	25	2	0	0	0	0	0	31	0	0	0	0	0	1	0	0	1
FLORIDA—																			
Atsena	7	35	24	2	2	7	10	3	0	90	0	19	21	3	1	3	2	2	51
Gainesville (*a*)	7	34	18	7	3	4	1	14	0	88	0	0	1	0	0	0	0	0	1
Jacksonville	2	57	0	7	3	7	0	14	0	90	0	24	2	0	0	10	3	3	42
St. Augustine	2	54	21	3	0	0	1	9	0	90	0	27	10	37	0	2	0	7	83
Salt Ponds	2	28	17	4	3	2	1	3	0	60	----	----	----	----	----	----	----	----	----
Warrington (*a*)	0	9	2	11	5	37	4	12	10	90	1	0	0	1	5	8	0	5	20
ALABAMA—																			
Auburn	4	2	6	36	11	6	7	16	0	88	3	6	3	8	6	2	3	9	40
Carlowville	4	6	5	25	9	30	4	6	0	89	6	0	1	5	6	3	0	0	21
Greene Springs	17	17	5	15	15	14	4	2	0	89	6	2	1	2	4	3	3	1	22
MISSISSIPPI—																			
Columbus	16	9	5	3	10	11	6	25	0	85	0	2	0	1	3	9	6	13	34
Port Gibson	4	2	1	0	0	1	7	7	0	22	----	----	----	----	----	----	----	----	----
Natchez	12	3	8	0	4	2	9	0	0	38	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	23	17	0	33	0	11	1	5	0	90	23	17	1	32	2	16	4	12	107
New Braunfels	13	4	28	5	5	0	0	1	34	90	1	0	0	0	1	0	3	0	5
Pin Oak (*a*)	2	3	4	16	1	4	0	0	0	30	----	----	----	----	----	----	----	----	----
Washington	0	9	2	11	5	37	4	12	10	90	----	----	----	----	----	----	----	----	----
ARKANSAS—																			
Perrysville	0	2	0	17	0	2	0	3	0	24	0	2	0	17	0	2	0	3	24
TENNESSEE—																			
Glenwood	6	7	0	11	12	13	5	10	26	90	0	2	1	1	8	10	28	5	55
Knoxville	27	20	1	0	3	16	5	14	2	88	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Ballardsville	15	2	1	5	24	26	3	11	0	87	0	0	0	0	0	3	2	3	8
Paris	3	5	1	14	3	22	15	26	0	89	0	0	1	0	7	0	15	0	23
Springdale	2	5	1	1	5	21	12	6	36	89	----	----	----	----	----	----	----	----	----
OHIO—																			
Cheviot	4	4	7	13	7	20	22	13	0	90	----	----	----	----	----	----	----	----	----
Cincinnati, [Harper]	10	5	7	0	0	27	34	7	0	90	----	----	----	----	----	----	----	----	----
Cincinnati, [Telegraph]	12	12	0	15	33	42	21	45	0	180	----	----	----	----	----	----	----	----	----
Cleveland	5	7	1	11	22	21	7	9	1	84	1	1	0	0	1	2	14	8	27
Dayton	12	5	2	1	0	36	8	18	0	82	7	1	1	1	0	17	5	10	42
Germantown, [Groneweg]	15	1	1	9	1	37	0	21	1	86	6	0	0	2	1	32	2	11	54
Granville	1	1	3	0	1	13	13	1	48	81	0	0	1	0	1	14	8	3	27
Hillsborough	2	11	1	15	6	25	0	27	2	89	0	0	0	0	1	15	2	10	28
Hiram	1	3	2	2	10	15	12	34	9	88	1	0	1	0	7	8	14	6	37
Jefferson	1	1	3	17	4	26	11	27	0	90	0	0	0	2	1	15	1	11	30
Madison	8	3	2	5	15	23	16	4	14	90	0	1	0	1	0	28	25	10	65
Oberlin	2	3	1	4	11	19	17	11	9	77	0	0	1	0	2	7	39	2	51
Savannah	0	10	0	6	3	34	14	23	0	90	0	1	0	6	3	23	7	14	54
Sidney	2	8	1	9	7	19	6	10	0	62	1	7	6	5	0	23	8	10	60

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Urbana	1	2	2	20	2	19	1	11	0	58	1	0	1	0	3	14	19	8	46
West Bedford	10	12	25	19	7	2	8	5	2	90	1	0	0	0	0	3	25	14	43
Zanesville, [Dayton]	3	3	0	6	4	24	1	5	38	84	2	1	0	2	2	22	3	2	34
MICHIGAN—																			
Battle Creek	5	1	4	3	22	16	10	12	17	90	2	0	0	0	0	10	37	9	58
Cooper	0	0	5	0	2	2	41	0	40	90	0	0	11	7	3	0	12	2	35
Detroit	4	14	2	3	6	29	20	12	0	90	4	0	1	0	0	0	22	1	28
Eagle River	1	5	0	0	0	15	36	27	0	84									
Grand Rapids, [Currier]	2	7	0	4	2	32	1	2	40	90	0	0	0	0	0	11	12	3	26
Holland	11	1	16	3	9	15	26	9	0	90	12	0	0	0	6	19	45	4	86
Monroe	0	13	0	1	19	23	0	24	0	80	1	7	0	0	10	17	0	42	77
Romeo (*a*)	10	0	1	1	24	8	22	6	8	80	2	0	0	1	4	5	12	2	26
INDIANA—																			
New Harmony	10	0	1	11	7	12	21	15	0	80	0	0	0	1	1	1	22	1	26
Richmond (*a*)	0	2	0	4	2	4	0	0	14	26									
ILLINOIS—																			
Athens	1	6	0	11	12	13	7	20	0	70	0	0	0	0	0	17	19	20	56
Augusta	3	5	4	5	12	27	19	8	7	90	2	0	0	1	5	7	14	3	32
Brighton	1	5	2	4	6	39	14	17	0	88	0	3	2	6	0	1	2	1	15
Manchester (*a*)	6	1	0	0	6	19	32	26	0	90	2	0	0	0	2	17	16	15	52
Marengo	0	7	3	7	16	32	9	1	0	75									
Ottawa (*a*)	5	8	2	3	7	19	24	8	3	79	1	0	1	0	2	5	4	3	16
Peoria	13	0	3	1	13	12	44	4	0	90	1	0	0	0	1	5	11	2	20
Riley	7	0	7	4	4	11	23	8	22	86									
Warsaw	4	0	1	16	14	24	3	26	1	89	1	1	0	1	0	16	9	18	46
West Salem	7	0	0	7	15	11	12	13	25	90	0	0	0	0	0	8	31	2	44
MISSOURI—																			
Palmyra	14	2	6	8	12	32	15	28	9	121	4	0	0	0	14	8	16	10	52
St. Louis	4	5	3	10	11	23	21	13	0	90									
WISCONSIN—																			
Appleton	1	10	1	4	5	29	14	26	0	90	2	9	0	3	5	30	13	28	90
Beloit	11	2	1	5	30	9	18	14	0	90	0	0	0	0	1	3	7	2	13
Janesville	10	2	3	14	13	24	8	7	9	90									
Kenosha	5	1	6	6	6	14	14	6	27	85									
Milwaukee, [Winkler]	1	7	6	13	1	18	17	27	0	90									
Norway	5	1	3	4	22	29	14	7	5	90	4	0	0	0	1	4	60	2	71
Platteville	5	1	6	22	4	10	15	27	0	90	3	1	0	7	0	17	20	15	63
Superior	3	16	2	5	1	29	1	30	0	87	2	17	3	3	2	27	3	30	87
Waukesha	5	0	4	9	6	31	19	16	0	90	0	0	1	0	4	4	24	10	43
IOWA—																			
Border Plains	4	0	3	5	33	4	18	23	0	90	0	0	0	0	1	0	6	3	10
Fort Madison (*a*)	5	0	2	4	8	42	4	25	0	90	1	0	1	1	1	13	14	11	42
Franklin	12	3	1	4	9	20	15	13	13	90									
Iowa City	0	0	26	1	11	0	50	2	0	90	5	3	19	0	1	0	4	1	33
Muscatine	0	3	0	12	1	37	4	33	0	90	0	0	0	6	1	27	4	18	56
Pleasant Plain	0	2	3	2	6	6	8	8	0	35									
MINNESOTA—																			
Hazlewood	2	0	0	0	31	0	9	36	0	78									
CALIFORNIA—																			
Sacramento	14	7	4	15	18	12	6	14	0	90	1	0	2	1	5	8	0	3	20
MEXICO—																			
City of Mexico	31	12	20	1	4	0	2	20	0	90	6	1	3	1	2	0	0	3	16
Vera Cruz	3	20	5	3	1	10	5	15	17	79									
SOUTH AMERICA—																			
Catharina Sophia, Sur'm (*a*)	4	14	15	13	2	9	1	29	0	90	3	11	18	33	2	8	2	12	89
Tovar, Venezuela	3	0	0	0	2	0	12	1	0	18	1	1	4	26	5	1	0	1	39

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	6	0	7	7	14	14	41	0	97	3	5	0	5	8	4	10	30	65
St. John's (*a*)	9	7	0	6	6	1	2	20	0	51									
St. Martin	0	8	0	7	1	45	7	25	0	93									
Toronto (*a*)	6	16	2	6	3	27	0	12	21	93									
Wolfville	7	1	0	6	1	7	30	22	18	92	8	2	0	6	0	12	18	12	58
MAINE—																			
Carmel	0	2	1	3	1	13	7	16	26	69	0	2	1	3	1	13	7	16	43
Cornish	3	2	0	5	1	5	12	65	0	93									
Gardiner	0	18	0	19	2	22	0	13	18	92	1	1	0	2	0	15	4	3	26
Monson	2	7	0	5	5	4	9	53	8	93									
Perry	8	3	1	8	4	24	6	39	0	93	2	2	1	5	3	9	12	15	49
Portland	13	9	4	4	16	8	21	18	0	93	1	0	0	0	0	1	16	8	26
Steuben	6	16	1	4	0	29	5	21	3	85	2	9	0	0	0	12	7	9	39
NEW HAMPSHIRE—																			
Barnstead	2	0	0	4	2	10	15	57	0	90	1	13	2	39	9	0	1	1	66
Concord	7	3	0	16	4	21	1	41	0	93									
Great Falls	0	11	0	0	0	28	11	35	0	85	0	0	0	0	0	3	3	1	7
Manchester	0	3	1	6	3	20	24	34	0	91	0	3	1	5	0	9	24	9	51
Stratford	2	0	4	1	1	6	12	9	0	35	0	0	0	1	2	6	12	13	34
West Enfield	0	0	0	3	11	22	12	45	0	93	1	0	0	3	1	4	0	15	24
VERMONT—																			
Brandon	23	0	4	10	23	7	12	4	9	92	9	0	0	1	0	3	16	14	43
Burlington	36	3	1	1	33	0	18	1	0	93									
Craftsbury	7	4	1	8	28	12	15	15	3	93	8	1	2	1	4	1	19	13	49
Norwich	5	1	0	4	1	28	4	50	0	93	5	4	11	12	7	0	3	1	43
Shelburn	4	0	0	0	54	9	0	26	0	93	0	9	10	12	0	0	0	1	32
MASSACHUSETTS—																			
Amherst	2	4	0	19	5	11	12	32	0	85	0	1	1	0	0	9	5	19	35
Bridgewater (*a*)	13	9	1	1	2	24	20	23	0	93	1	11	5	10	1	5	0	0	33
Cambridge (*a*)	2	3	2	1	3	18	9	25	22	85									
Mendon	2	4	0	2	0	37	6	42	0	93	2	3	0	1	0	41	5	41	93
Nantucket	6	10	3	1	3	33	8	18	11	93									
New Bedford	8	8	0	2	3	24	15	32	1	93	3	1	0	0	0	7	6	4	21
Newburyport	5	2	9	1	10	10	25	21	0	83									
North Attleborough	9	4	2	0	27	11	8	29	0	90	2	0	3	0	10	14	12	11	52
Princeton	6	5	8	1	1	6	58	8	0	93	3	1	3	0	1	1	33	3	45
Richmond	0	17	0	14	1	30	0	31	0	93	4	3	1	9	0	18	4	21	60
Westfield	7	7	6	17	5	6	23	18	0	89									
Weymouth (*a*)	2	1	0	5	3	17	6	10	0	44									
Williamstown	9	0	3	20	10	6	11	33	1	93	1	0	1	0	1	1	6	2	12
Worcester	36	2	0	0	1	20	21	13	0	93									
RHODE ISLAND—																			
Providence	9	11	1	2	7	28	9	19	4	90									
CONNECTICUT—																			
Georgetown	12	26	6	5	11	9	14	6	4	93	0	3	16	7	1	2	0	0	29
New London	6	3	0	0	9	29	12	34	0	93									
Norwich	1	6	0	11	2	27	1	10	34	92									
Pomfret	4	10	1	1	3	26	2	45	0	92	0	1	1	0	0	17	6	20	45
Saybrook	16	4	1	2	4	24	13	19	10	93	0	1	0	0	0	11	19	8	39
Wallingford	12	2	2	1	5	24	10	17	20	93	2	0	1	0	1	8	25	3	40
NEW YORK—																			
Angelica	0	0	0	3	1	31	45	13	0	93	0	0	0	0	0	24	14	1	39
Baldwinsville	13	1	2	5	1	5	26	14	6	73	3	0	0	1	1	2	20	10	37
Beverly	12	6	1	8	13	23	4	19	4	90	1	0	0	7	4	16	6	10	44
Blackwell's Island	17	23	11	8	7	0	14	13	0	93	14	16	4	6	5	0	12	12	69
Cazenovia	11	0	2	3	8	29	23	16	0	92	4	0	1	1	7	7	35	12	67
Clinton	7	13	13	3	1	5	39	9	3	93	0	2	1	0	3	6	18	6	36
Flatbush	12	4	6	2	11	15	23	20	0	93	1	0	0	1	0	8	8	10	28
Geneva	5	1	1	7	21	10	11	11	26	93	1	0	0	4	0	4	2	12	23
Lowville	15	4	0	10	11	13	9	31	0	93	3	3	0	0	2	3	17	15	43
McGrawville	2	1	20	10	0	6	40	4	3	86									

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No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Mexico	5	4	8	27	15	10	17	7	0	93	7	1	0	1	1	6	22	2	40
New York city	2	3	2	9	4	19	23	31	0	93	0	2	3	1	3	4	27	10	50
North Salem	7	3	4	18	14	14	6	27	0	93									
Ogdensburg	9	0	1	4	9	8	2	0	0	33									
Oswego	6	11	3	6	17	5	25	0	6	79									
Ovid	11	4	0	10	20	20	17	11	0	93	11	0	0	3	6	11	17	15	63
Penn Yan (*a*)	16	5	0	1	14	18	34	5	0	93									
Rochester, [Harkness]	11	9	7	2	18	6	19	3	27	93									
Rochester, [Pratt]	10	2	3	6	9	25	31	7	0	93	3	3	1	0	0	5	9	7	28
Sag Harbor	4	1	0	6	13	19	21	12	1	77	1	1	0	0	1	12	14	3	32
Spencertown	35	1	1	4	24	7	7	14	0	93	9	0	0	2	5	3	18	22	59
Townsendville	10	1	1	13	11	19	11	19	8	93	4	0	0	0	1	1	14	13	33
Wampsville	2	0	2	8	33	11	30	7	0	93	1	0	2	5	19	8	23	6	64
Watertown	3	17	0	0	3	29	39	2	0	93	3	10	0	0	3	23	34	5	78
NEW JERSEY—																			
Bloomfield	10	4	1	3	0	40	1	21	0	80									
Burlington, [Schmidt]	2	17	2	5	3	24	15	19	3	90	1	5	1	1	2	10	7	7	34
Lambertville	1	14	0	4	5	4	5	28	0	78									
Newark (*a*)	4	14	0	3	1	21	1	19	0	63									
PENNSYLVANIA—																			
Bedford (*a*)	0	0	0	5	0	14	11	19	0	49	0	0	0	1	0	12	9	1	23
Cannonsburg	0	1	37	1	0	3	50	1	0	93	0	0	0	0	0	0	2	0	2
Carlisle	0	13	1	5	0	17	5	14	37	92	0	9	0	3	0	5	3	7	27
Chromedale	2	16	2	3	0	9	3	21	37	93	2	1	0	0	0	11	11	11	36
Easton	6	2	0	3	5	6	20	20	30	92	0	0	0	0	2	3	21	11	37
Gettysburg	4	7	8	0	6	21	15	2	28	91	0	3	4	0	2	10	15	3	37
Harrisburg (*a*)	4	2	2	12	9	2	20	27	0	78	0	0	0	3	4	0	5	7	19
Lewisburg	13	1	1	0	7	18	11	7	34	92	2	0	0	0	2	8	8	4	24
Meadville	0	6	1	3	10	14	7	13	36	90	0	1	1	2	1	9	18	7	39
Morrisville	6	8	0	1	1	25	14	8	29	92	3	4	0	0	0	13	13	2	35
Moss Grove	8	7	17	5	12	6	24	5	4	88	3	2	3	1	0	2	20	6	37
Nazareth	11	10	1	0	6	14	12	13	26	93	7	1	0	0	1	4	8	4	25
Norristown	3	5	4	1	0	14	45	9	0	81	2	2	1	0	0	2	31	6	44
North Whitehall (*a*)	2	2	0	0	2	4	5	10	0	25									
Philadelphia	8	6	3	4	8	24	16	24	0	93	0	2	0	0	2	10	2	2	18
Pocopson	10	7	2	2	1	32	21	4	0	79	2	4	0	0	0	15	9	2	32
Somerset	7	5	12	5	6	21	30	7	0	93	1	11	21	9	2	2	0	6	52
Tarentun	17	4	1	6	10	3	11	4	37	93	2	3	0	0	1	8	38	6	58
West Haverford	3	7	0	1	2	21	6	13	7	60	1	0	0	1	1	3	8	9	23
MARYLAND—																			
Bladensburg	0	13	1	0	1	15	2	5	0	37									
Frederick	8	11	1	3	5	12	13	8	32	93	0	1	0	1	4	4	30	4	44
Ridge	21	6	8	6	15	22	4	6	0	88									
Sykesville	5	4	6	7	1	13	46	11	0	93	2	2	3	3	0	3	43	1	57
DISTRICT OF COLUMBIA—																			
Washington	2	18	1	6	1	35	12	6	12	93									
VIRGINIA—																			
Alexandria	14	17	3	6	24	9	3	17	0	93									
Berryville (*a*)	4	9	2	0	9	4	2	18	15	63	0	0	0	0	0	3	9	3	15
Crichton's Store (*a*)	16	9	2	1	25	22	4	0	14	93	0	0	0	0	0	11	18	0	29
Lewisburg											0	8	1	0	0	0	22	1	32
Mustapha	14	0	0	1	13	3	0	0	0	31	0	0	0	0	3	0	0	0	3
Poplar Grove	2	2	2	3	0	3	11	11	58	92	1	4	1	2	0	12	26	5	51
Portsmouth	20	15	6	7	16	9	6	12	2	93									
Trout Run Valley	12	1	0	2	43	3	5	7	20	93	3	1	1	0	2	0	3	22	32
Winchester	3	0	0	0	0	10	15	6	59	93	3	0	0	0	0	1	6	5	15
Wirt Court-House	0	15	0	25	0	9	0	0	44	93	0	36	1	7	0	11	0	1	56
NORTH CAROLINA—																			
Chapel Hill	6	16	2	2	6	11	34	8	0	85	1	12	2	0	0	12	8	1	36
Goldsborough	16	12	6	0	14	9	16	4	11	88	0	0	0	0	0	0	2	0	2
Murfreesborough	1	18	6	1	1	7	12	1	30	77	0	9	0	0	0	4	14	2	29

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No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—																			
All Saints	14	21	3	8	5	8	17	16	1	93	9	14	4	2	0	11	12	2	54
Camden	3	26	2	5	1	19	6	17	14	93	1	10	5	5	0	14	4	6	45
Charleston, [Johnson]	0	13	3	7	0	3	0	11	0	37	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	3	26	2	4	1	10	3	13	0	62	----	----	----	----	----	----	----	----	----
Columbia	12	23	11	4	0	13	15	15	0	93	2	5	9	9	5	7	5	5	47
Edisto Island	18	21	6	2	9	6	1	16	1	80	0	0	2	1	0	1	1	1	6
St. John's	0	13	0	8	1	12	4	24	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	20	8	17	15	7	5	11	10	0	93	1	0	0	1	1	3	5	0	11
Sparta	4	35	7	13	2	13	3	16	0	93	0	8	6	3	1	8	5	4	35
Thomaston	7	26	13	14	2	0	6	24	0	92	0	0	0	0	0	0	1	11	12
Whitemarsh Island	15	24	5	7	6	0	6	6	23	92	3	4	4	7	2	5	6	8	39
Zebulon	1	16	26	0	0	0	7	2	0	52	0	0	2	0	0	4	11	0	17
FLORIDA—																			
Atsena	8	39	14	3	1	9	4	9	5	92	4	20	13	1	0	9	1	2	50
Gainesville (*a*)	11	32	10	2	1	7	5	20	0	88	0	2	0	0	0	1	0	0	3
Jacksonville	22	1	4	17	16	7	3	23	0	93	1	23	4	5	1	5	4	3	46
St. Augustine	8	54	14	2	1	0	0	14	0	93	3	41	14	5	1	1	0	6	71
Salt Ponds	35	24	7	4	0	0	0	2	0	72	0	0	0	0	0	4	0	0	4
Warrington (*a*)	4	46	0	10	0	18	0	15	0	93	0	4	0	5	0	25	0	3	37
ALABAMA—																			
Auburn	1	3	5	43	8	8	9	16	0	93	1	7	0	13	5	6	1	6	39
Carlowville	10	7	5	13	7	30	7	14	0	93	0	0	3	3	7	6	0	0	19
Greene Springs	4	10	8	36	0	24	2	4	0	88	0	1	0	16	2	12	0	0	31
Greensborough	5	1	7	51	2	1	0	26	0	93	5	0	6	8	0	5	19	0	43
MISSISSIPPI—																			
Columbus	6	4	20	19	13	9	5	16	0	92	4	1	5	11	6	5	9	5	46
Natchez	18	4	21	7	10	0	5	7	2	74	----	----	----	----	----	----	----	----	----
Port Gibson	17	5	2	6	7	4	3	2	0	46	----	----	----	----	----	----	----	----	----
LOUISIANA—																			
Black River	33	1	0	3	49	5	2	0	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	19	13	1	29	9	13	2	7	0	93	9	11	2	26	10	14	1	7	80
New Braunfels	17	6	21	8	7	1	1	1	30	92	1	1	0	0	0	1	0	0	3
Pin Oak (*a*)	13	1	5	7	2	1	0	2	0	31	----	----	----	----	----	----	----	----	----
Washington	6	0	0	0	25	0	0	0	0	31	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	2	12	5	20	22	7	4	2	19	93	1	1	6	6	2	7	19	6	48
Knoxville	13	26	3	1	3	38	3	4	0	91	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Ballardsville	4	17	0	13	18	34	4	3	0	93	0	1	0	2	0	3	2	3	11
Millersburg	1	3	8	3	9	1	16	11	0	52	1	0	2	0	0	0	30	0	33
Paris	6	13	2	14	12	24	13	8	0	92	4	0	0	1	3	2	17	0	27
Springdale	2	6	6	1	5	21	6	5	41	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Cheviot	9	12	21	9	10	11	19	2	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Harper]	2	10	4	0	0	59	18	0	0	93	0	0	0	0	0	1	1	0	2
Cleveland	13	11	4	13	28	7	12	2	3	93	3	2	0	0	1	3	17	2	28
College Hill	4	12	1	5	7	13	10	1	38	91	5	9	1	2	3	8	6	1	35
Dayton, [Fisher]	2	19	8	6	2	29	13	4	0	83	1	14	3	3	1	14	9	2	47
Germantown, [Groneweg]	16	9	0	11	12	30	0	11	0	89	6	7	1	8	6	22	1	14	65
Germantown, [Binkerd]	4	12	1	1	6	11	7	3	36	81	2	4	0	0	0	6	20	9	41
Granville	0	13	3	2	0	21	8	0	44	91	0	3	0	0	0	19	9	0	31
Hillsborough	1	30	1	11	5	29	1	11	3	92	0	3	1	1	1	13	3	7	29
Hiram	15	12	0	0	2	20	29	14	0	92	3	5	1	0	2	8	15	5	39
Jefferson	5	13	6	19	7	20	11	12	0	93	3	6	3	3	1	10	8	7	41
Madison	5	20	2	8	10	17	9	6	16	93	8	2	0	0	0	7	27	17	61
Oberlin	3	8	2	4	10	14	6	3	23	73	0	4	2	0	0	4	18	6	34
Portsmouth	3	5	3	10	16	28	20	5	1	91	----	----	----	----	----	----	----	----	----
Savannah	0	9	3	6	0	36	14	25	0	93	0	9	3	5	0	19	5	12	53

a For deviations from the usual hours of observation ,&c., see notes to table of thermometer for this month.

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Sidney	5	11	3	13	3	18	4	16	0	73	0	6	5	5	0	21	8	10	55
Urbana	1	7	4	12	6	15	3	5	0	53	1	3	1	3	3	13	22	1	47
West Bedford	5	13	22	17	13	7	6	10	0	93	3	2	4	1	1	3	20	18	52
MICHIGAN—																			
Battle Creek	4	13	7	3	23	13	13	3	14	93	0	0	0	0	1	3	38	2	44
Cooper	1	1	11	2	1	5	21	1	50	93	1	0	8	0	2	4	13	0	28
Detroit	4	21	13	2	5	36	10	2	0	93	3	0	0	0	0	0	3	3	9
Eagle River	0	4	4	2	8	2	24	11	0	55	----	----	----	----	----	----	----	----	----
Grand Rapids, [Currier]	1	15	3	3	1	22	3	0	40	88	0	1	0	1	0	10	2	0	14
Monroe	4	6	1	0	8	16	2	1	0	88	6	1	2	0	0	3	0	75	87
Romeo (*a*)	11	3	10	3	14	7	22	0	28	98	1	0	0	2	1	0	14	0	18
INDIANA—																			
New Harmony	12	2	2	16	18	13	8	6	0	77	2	0	0	1	1	1	10	1	16
Richmond (*a*)	0	12	3	2	1	11	2	2	22	55	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	2	12	1	16	3	39	1	11	0	85	0	4	0	3	0	27	11	17	62
Augusta	0	18	2	9	28	8	17	4	7	93	0	6	1	5	15	4	9	0	40
Brighton	4	12	3	11	26	17	11	9	0	93	1	4	1	8	1	2	1	2	20
Manchester (*a*)	13	2	1	1	27	15	27	7	0	93	3	1	0	0	17	16	12	2	51
Marengo	1	12	11	10	19	30	10	0	0	93	----	----	----	----	----	----	----	----	----
Ottawa	0	19	0	3	11	15	12	5	2	67	0	1	0	0	1	1	5	1	9
Peoria	7	15	11	5	12	18	20	5	0	93	0	3	0	0	8	18	3	0	32
Riley	3	13	8	6	16	10	12	6	3	77	----	----	----	----	----	----	----	----	----
Warsaw	0	14	8	19	18	21	5	7	1	93	0	9	8	4	5	18	3	4	51
West Salem	4	6	3	7	23	13	8	2	27	93	0	4	0	0	1	19	26	1	51
MISSOURI—																			
Cape Girardeau	6	4	5	32	13	20	3	13	14	110	3	2	0	9	5	31	8	6	64
Palmyra	0	17	0	8	13	34	15	2	27	116	0	12	1	4	16	24	20	2	79
St. Louis	11	6	7	32	14	11	6	6	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	2	21	1	0	17	39	7	6	0	93	2	17	1	0	15	41	9	8	93
Beloit	18	5	6	3	39	9	6	7	0	93	2	3	0	0	1	2	5	0	13
Janesville	3	21	1	9	25	12	8	3	11	93	----	----	----	----	----	----	----	----	----
Kenosha	0	6	13	1	15	13	9	0	30	87	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	24	9	19	2	17	15	6	0	93	----	----	----	----	----	----	----	----	----
New London	5	11	9	6	7	39	10	6	0	93	3	7	0	0	0	26	21	7	64
Norway	17	10	1	5	32	11	5	4	8	93	1	4	2	0	0	4	46	5	62
Platteville	4	3	18	31	10	3	15	9	0	93	2	2	12	2	4	16	21	6	65
Racine, [Durham]	12	1	5	0	9	0	0	5	0	32	4	6	0	0	0	0	0	0	10
Superior	5	28	3	2	6	29	6	14	0	93	0	32	2	3	3	30	8	12	90
Waukesha	0	18	3	5	4	40	10	4	0	84	0	4	1	0	1	9	15	1	31
IOWA—																			
Border Plains	6	7	10	10	32	0	5	14	0	84	0	0	6	1	3	1	2	7	20
Fort Madison (*a*)	8	9	0	20	15	26	2	11	2	93	0	6	2	3	7	21	9	4	52
Franklin	4	7	2	9	14	31	10	6	7	90	----	----	----	----	----	----	----	----	----
Muscatine	0	10	7	30	7	24	3	12	0	93	1	1	1	5	0	12	1	6	26
Pleasant Plain	0	5	3	5	11	7	3	0	0	34	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Hazlewood (*a*)	4	6	3	5	29	11	3	31	0	92	0	3	6	0	2	0	1	10	22
Princeton	6	11	6	2	21	8	12	5	10	81	9	10	3	0	10	3	15	4	54
CALIFORNIA—																			
Sacramento	22	1	4	17	16	7	3	23	0	93	0	0	1	2	1	22	0	8	34
MEXICO—																			
City of Mexico	8	20	27	1	0	0	3	34	0	93	6	1	0	1	3	0	2	7	20
Vera Cruz	1	23	10	5	3	6	9	23	13	93	----	----	----	----	----	----	----	----	----
WEST INDIES—																			
Port of Spain, Trinidad	----	----	----	----	----	----	----	----	----	93	0	13	32	26	2	2	2	14	91
SOUTH AMERICA—																			
Catharina Sophia, Sur'm (*a*)	2	31	29	23	5	1	0	2	0	93	0	5	40	42	1	0	1	2	91
Tovar, Venezuela	1	0	0	1	0	0	5	0	0	7	0	4	11	19	17	2	5	5	63

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	20	0	3	7	16	8	28	0	90	4	20	1	1	6	12	10	25	79
St. Martin	0	21	1	8	2	23	6	29	0	90	----	----	----	----	----	----	----	----	----
Toronto (*a*)	1	11	6	8	3	17	10	26	8	90	----	----	----	----	----	----	----	----	----
Wolfville	2	6	1	11	2	5	26	30	6	89	2	7	1	9	1	9	23	22	74
MAINE—																			
Carmel (*a*)	0	1	1	8	0	2	5	20	17	54	0	0	0	4	0	3	3	5	15
Cornish	2	2	0	6	5	18	4	52	0	89	----	----	----	----	----	----	----	----	----
Gardiner	5	10	2	6	2	18	1	34	12	90	2	0	0	1	2	13	6	13	37
Monson	3	1	12	7	1	5	0	58	3	90	----	----	----	----	----	----	----	----	----
Perry	19	5	0	10	8	12	2	34	0	90	6	4	1	4	13	11	3	7	49
Portland	9	8	6	3	7	15	22	20	0	90	2	0	0	0	1	6	14	7	30
Steuben	4	27	1	3	0	18	10	26	1	90	1	3	0	3	0	15	15	12	49
NEW HAMPSHIRE—																			
Concord	3	11	0	16	0	15	3	39	0	87	----	----	----	----	----	----	----	----	----
Great Falls	1	7	0	0	0	22	7	28	0	65	0	0	0	0	0	4	3	1	8
Manchester	3	3	0	2	8	11	16	47	0	90	3	3	0	2	6	12	22	22	70
Stratford	0	1	1	0	2	0	3	9	0	16	1	0	0	0	2	1	16	9	29
West Enfield	1	2	0	3	15	16	11	42	0	90	6	0	0	3	9	8	10	28	64
VERMONT—																			
Brandon	25	0	5	1	23	9	6	14	7	90	2	1	0	0	1	5	11	28	48
Burlington	18	11	1	18	28	0	14	0	0	90	0	0	0	0	0	0	2	0	2
Craftsbury	8	6	2	2	28	8	11	25	0	90	0	0	0	0	4	5	25	19	53
Norwich	8	9	2	2	8	24	1	36	0	90	8	5	15	20	15	0	0	0	63
Shelburn	20	1	0	0	35	4	0	27	0	87	2	4	13	11	2	1	0	3	36
MASSACHUSETTS—																			
Amherst	3	2	1	22	3	12	1	44	0	88	0	0	0	1	1	10	6	18	36
Bridgewater (*a*)	9	3	3	2	2	23	14	34	0	90	0	13	10	17	6	0	0	2	48
Cambridge (*a*)	3	3	1	1	2	14	18	21	16	79	----	----	----	----	----	----	----	----	----
Canton (*a*)	3	2	2	2	4	1	12	4	1	31	----	----	----	----	----	----	----	----	----
Mendon	2	9	0	0	1	34	7	37	0	90	2	7	0	0	1	35	7	38	90
Nantucket	11	2	3	5	2	21	3	35	8	90	----	----	----	----	----	----	----	----	----
New Bedford	3	7	2	3	3	29	5	38	0	90	3	2	0	0	0	4	6	7	22
Newburyport	5	3	6	1	8	12	25	21	0	81	0	0	0	0	0	2	0	0	2
North Attleborough	12	3	2	2	18	7	15	26	0	85	5	5	1	1	10	8	13	14	57
Princeton	6	6	5	3	1	13	38	18	0	90	0	3	3	0	0	6	26	8	46
Richmond	0	5	0	11	0	20	0	36	0	72	0	3	0	10	1	20	0	31	65
Westfield	7	3	7	12	7	6	24	15	0	81	----	----	----	----	----	----	----	----	----
Weymouth	5	1	0	4	5	15	7	23	0	60	----	----	----	----	----	----	----	----	----
Williamstown	13	1	5	17	20	3	11	19	1	90	2	1	1	1	9	2	2	4	22
Worcester	22	2	0	1	5	16	21	23	0	90	0	0	0	0	0	0	1	0	1
RHODE ISLAND—																			
Providence (*a*)	2	7	0	2	2	28	8	40	0	89	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Georgetown	9	22	7	11	9	12	11	5	4	90	2	9	13	2	4	1	1	0	32
New London	4	3	2	5	4	32	9	31	0	90	----	----	----	----	----	----	----	----	----
Norwich	0	7	0	19	1	27	2	17	17	90	----	----	----	----	----	----	----	----	----
Pomfret	2	7	0	6	4	22	5	44	0	90	1	3	0	2	3	10	9	19	47
Saybrook	14	4	1	2	6	15	16	24	4	86	1	0	0	0	2	4	13	13	33
Wallingford	11	5	0	2	11	15	12	21	12	89	0	1	0	0	1	5	26	8	41
NEW YORK—																			
Angelica	0	1	3	9	0	26	21	15	0	75	0	0	0	1	1	28	13	5	48
Baldwinsville	3	3	16	5	2	13	19	21	0	82	0	0	0	0	0	3	40	21	64
Beverly	2	2	0	7	14	33	4	23	1	86	0	0	0	6	3	25	12	7	53
Blackwell's Island	9	8	4	12	5	8	12	32	0	90	8	3	1	8	3	5	7	29	64
Cazenovia	4	2	1	3	16	10	24	25	4	89	0	1	0	4	4	13	39	18	79
Clinton	----	6	17	7	2	10	43	1	4	90	2	3	50	7	0	3	0	4	69
Fishkill Landing (*a*)	2	10	1	1	1	8	9	9	2	43	0	2	1	0	0	0	12	3	18
Flatbush	7	3	1	7	11	13	19	29	0	90	2	1	1	1	0	6	10	16	37
Lowville	11	3	3	5	17	11	18	22	0	90	1	0	0	1	1	11	25	21	60
Mexico	6	1	14	13	17	10	21	8	0	90	0	0	1	0	1	8	29	12	51

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No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
New York city	0	4	2	16	2	17	16	33	0	90	0	3	1	6	2	22	12	21	67
North Salem	4	9	1	11	20	15	4	26	0	90	----	----	----	----	----	----	----	----	----
Ogdensburg	7	5	2	2	1	8	2	3	0	30	----	----	----	----	----	----	----	----	----
Oswego	1	9	14	11	11	8	29	4	2	89	----	----	----	----	----	----	----	----	----
Ovid	2	1	4	10	13	12	29	19	0	90	2	1	2	2	6	17	32	18	80
Penn Yan (*a*)	7	1	0	1	20	28	31	2	0	90	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	6	0	3	1	17	9	29	2	23	90	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	2	3	6	8	15	25	27	4	0	90	2	0	0	0	3	5	29	10	49
Sag Harbor	8	2	3	5	19	18	13	19	3	90	1	1	3	1	2	15	19	7	49
Spencertown	18	5	2	13	17	11	1	23	0	90	11	0	0	2	2	9	17	35	76
Townsendville	3	3	1	17	5	13	14	28	6	90	0	0	0	2	1	10	24	16	53
Troy (*a*)	8	0	0	0	17	1	23	8	33	90	4	3	10	3	1	0	0	0	21
Utica	0	1	1	21	6	1	10	19	31	90	----	----	----	----	----	----	----	----	----
Wampsville	7	2	4	3	19	4	33	18	0	90	8	2	6	3	19	8	29	11	86
Watertown	0	18	0	0	0	45	14	13	0	90	0	15	0	9	1	41	16	10	83
NEW JERSEY—																			
Bloomfield	2	2	2	5	1	43	21		0	90	----	----	----	----	----	----	----	----	----
Burlington	5	12	5	7	3	19	20	19	0	90	4	0	0	1	2	8	13	17	45
Lambertville	0	3	0	4	8	24	0	41	0	80	----	----	----	----	----	----	----	----	----
Newark (*a*)	7	5	3	4	3	20	3	15	0	60	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford (*a*)	0	0	0	20	3	13	4	29	0	69	0	0	0	9	3	11	3	17	43
Berwick	1	2	13	3	9	2	42	12	6	90	----	----	----	----	----	----	----	----	----
Cannonsburg	0	1	13	3	0	14	53	6	0	90	0	0	0	0	0	0	2	0	2
Carlisle	0	3	0	2	1	25	5	21	28	85	0	2	0	1	1	22	3	15	44
Chromedale	6	9	3	4	6	4	3	20	34	89	0	0	1	0	0	11	19	10	41
Easton	7	2	0	8	6	3	19	26	19	90	5	0	2	1	1	6	26	15	56
Gettysburg	5	1	0	0	9	33	13	19	10	90	3	0	0	0	3	21	18	14	59
Harrisburg	0	0	4	18	4	2	4	57	0	89	0	0	0	2	2	0	2	24	30
Lewisburg	5	2	1	2	9	24	18	11	18	90	2	0	0	0	3	5	20	7	37
Meadville	0	0	0	13	14	8	12	14	27	88	3	0	0	2	7	9	26	16	63
Morrisville	2	1	0	3	8	18	10	23	25	90	0	1	0	1	0	16	20	11	49
Moss Grove	0	1	7	5	30	16	17	9	0	85	1	0	0	0	5	16	44	8	74
Nazareth	8	4	0	0	3	6	23	8	33	85	1	1	0	0	1	6	23	8	40
Norristown	3	0	5	3	4	5	52	3	0	75	0	0	5	0	5	4	29	0	43
North Whitehall (*a*)	5	1	3	0	6	4	14	5	52	90	----	----	----	----	----	----	----	----	----
Philadelphia	1	8	5	9	7	14	20	26	0	90	0	0	1	2	2	4	7	1	17
Pocopson	4	0	0	4	8	22	35	15	0	88	1	0	0	0	1	11	15	2	30
Shamokin	0	0	5	0	0	3	4	78	0	90	0	0	2	0	0	2	45	4	53
Somerset	2	0	0	11	12	14	40	11	0	90	4	14	33	10	1	0	0	1	63
West Haverford	1	0	2	3	3	15	12	18	6	60	1	0	0	0	0	4	14	17	36
DELAWARE—																			
Newark, [Craven]	7	5	4	7	4	17	19	27	0	90	0	0	5	3	0	0	0	1	9
MARYLAND—																			
Bladensburg	0	1	4	4	0	14	2	21	0	46	----	----	----	----	----	----	----	----	----
Frederick	3	5	1	6	4	13	20	18	19	89	3	0	0	0	7	3	30	5	48
Ridge (*a*)	16	9	3	8	14	21	6	12	1	90	----	----	----	----	----	----	----	----	----
Sykesville	1	3	1	16	0	12	40	17	0	90	0	3	3	5	0	6	47	1	65
DISTICT OF COLUMBIA—																			
Washington	0	5	0	7	1	37	9	28	2	89	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	6	4	5	9	27	4	8	27	0	90	----	----	----	----	----	----	----	----	----
Berryville (*a*)	1	9	1	7	21	2	6	29	7	83	4	0	0	1	1	6	13	5	30
Crichton's Store (*a*)	29	1	0	3	28	12	9	5	1	88	0	0	0	0	2	18	12	0	32
Lewisburg	0	0	0	0	1	1	0	0	0	2	0	0	0	0	4	2	5	0	11
Mossy Creek (*a*)	4	11	0	3	1	12	4	25	0	60	4	1	0	0	0	8	2	16	31
Mustapha	4	0	0	0	23	2	0	0	0	29	----	----	----	----	----	----	----	----	----
Poplar Grove	0	0	4	2	0	3	13	6	31	59	0	0	0	0	0	22	15	2	39
Portsmouth	17	11	10	7	14	11	5	17	0	90	----	----	----	----	----	----	----	----	----

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Trout Run Valley (*a*)	2	0	0	2	16	0	2	7	10	39	0	0	0	0	1	3	2	8	14
Winchester	0	0	1	0	1	6	24	6	52	90	0	0	0	0	1	0	5	0	6
Wirt Court-House	1	16	1	34	0	1	0	6	30	89	2	33	3	21	0	1	0	0	60
NORTH CAROLINA—																			
Chapel Hill	9	10	8	1	13	8	25	16	0	90	0	1	1	1	9	10	2	1	25
Goldsborough	23	6	8	4	15	7	8	13	4	88	0	0	0	0	1	0	2	0	3
Murfreesborough	4	10	4	12	2	16	18	9	15	90	0	2	0	3	0	10	19	0	34
SOUTH CAROLINA—																			
All Saints	24	5	7	6	17	20	8	3	0	90	4	2	2	3	4	23	23	0	61
Camden	11	22	0	1	7	24	6	17	2	90	1	1	1	4	2	23	12	6	50
Charleston, [Johnson]	2	12	0	4	4	5	1	3	0	31	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	3	28	0	3	3	17	0	6	0	60	----	----	----	----	----	----	----	----	----
Edisto Island	13	16	1	4	4	11	4	13	10	76	0	0	0	0	2	11	13	0	26
St. John's	0	9	0	13	0	17	0	15	0	54	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	22	8	9	7	17	9	3	10	0	85	0	0	0	3	0	3	11	2	19
Sparta	7	22	7	5	6	20	4	18	0	89	0	1	0	1	7	20	9	2	40
Thomaston	6	15	11	28	1	9	3	17	0	90	0	0	0	0	0	3	0	0	3
Whitemarsh Island	9	19	4	4	13	8	3	7	23	90	0	1	0	3	5	15	9	2	35
Zebulon	2	7	20	2	0	2	5	8	1	47	0	0	0	2	0	9	0	2	13
FLORIDA—																			
Atsena	8	28	6	18	4	7	3	9	6	89	5	10	2	5	3	6	2	8	41
Belair	4	9	11	13	13	9	1	4	13	77	3	8	5	12	16	10	4	6	64
Gainesville (*a*)	10	19	6	7	2	11	2	19	0	76	0	2	1	4	0	0	2	2	11
Jacksonville	4	31	0	19	4	13	1	17	1	90	0	4	0	8	2	28	5	0	47
St. Augustine (*a*)	5	29	14	14	1	11	0	16	0	90	1	27	11	17	2	16	0	10	84
Salt Ponds	17	10	9	21	3	0	0	0	0	60	0	0	0	0	0	12	0	0	12
Warrington	4	46	5	5	5	10	0	15	0	90	4	5	0	4	0	18	6	3	40
ALABAMA—																			
Auburn	10	7	4	29	19	3	7	11	0	90	0	0	1	19	13	3	8	4	48
Carlowville	9	6	7	15	15	26	6	6	0	90	0	0	0	4	14	1	1	1	21
Greene Springs	0	4	3	43	0	19	8	13	0	90	0	0	2	13	1	8	5	2	31
Greensborough	12	2	0	40	2	2	1	31	0	90	1	0	2	15	4	7	17	2	48
MISSISSIPPI—																			
Columbus	9	8	12	10	13	3	4	30	0	89	1	0	0	2	6	7	11	5	32
Natchez	24	14	11	0	14	0	4	3	1	71	----	----	----	----	----	----	----	----	----
Port Gibson	28	6	6	5	5	7	10	5	0	72	----	----	----	----	----	----	----	----	----
LOUISIANA—																			
Black River	51	3	2	9	17	5	0	3	0	90	3	0	0	0	4	0	0	0	7
Trinity	15	20	10	7	8	4	0	0	1	65	4	13	1	0	2	0	0	0	20
TEXAS—																			
Austin	25	12	0	15	11	8	5	14	0	90	11	5	1	10	12	13	6	14	72
New Braunfels	17	3	7	4	13	1	1	4	36	86	----	----	----	----	----	----	----	----	----
Pin Oak (*a*)	13	3	7	3	2	0	0	2	0	30	----	----	----	----	----	----	----	----	----
Washington	10	0	0	0	20	0	0	0	0	30	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	5	10	13	12	10	9	5	7	19	90	6	0	0	1	2	14	13	5	41
Walnut Grove (*a*)	2	3	14	1	0	1	1	2	66	90	0	0	2	0	2	10	14	2	30
KENTUCKY—																			
Ballardsville	9	6	0	2	10	43	5	15	0	90	0	0	0	0	3	8	3	2	16
Danville	6	5	5	4	11	21	12	23	0	90	1	0	0	0	4	20	8	5	38
Millersburg	1	0	3	8	14	4	7	19	1	57	0	0	5	1	1	2	24	0	33
Paris	0	8	0	13	13	17	25	13	0	89	0	0	0	0	15	1	17	1	34
Springdale	1	4	7	2	8	21	13	12	22	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Cheviot	3	2	12	15	16	11	18	12	0	83	----	----	----	----	----	----	----	----	----
Cincinnati, [Harper]	1	2	0	1	14	30	32	10	0	90	1	0	0	0	0	0	1	1	3
Cleveland	1	4	1	8	35	10	16	9	5	89	3	0	0	0	2	12	24	11	52
College Hill	1	2	2	2	17	9	16	11	30	90	0	0	0	1	5	10	10	9	35

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No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Germantown, [Groneweg]	1	2	0	14	4	36	5	25	0	87	0	1	0	5	4	30	4	19	63
Germantown, [Binkerd]	1	0	1	1	1	12	25	7	27	75	0	0	0	0	0	8	14	22	44
Granville (*a*)	0	0	1	0	0	13	5	0	13	32	0	0	0	0	0	8	6	0	14
Hillsborough	1	11	0	16	2	29	2	28	1	90	0	0	0	1	0	14	5	12	32
Hiram	1	0	0	0	5	31	38	15	0	90	0	0	0	0	9	21	23	7	60
Jefferson	0	4	0	35	8	20	10	13	0	90	0	3	0	25	6	16	9	12	71
Madison	2	1	1	8	19	19	14	10	16	90	0	0	0	0	3	12	58	5	78
Oberlin (*a*)	0	0	0	2	7	12	7	3	4	35	0	0	0	1	0	2	18	5	26
Portsmouth (*a*)	7	1	1	5	5	8	17	19	1	64	----	----	----	----	----	----	----	----	----
Savannah	5	1	2	10	4	13	18	37	0	90	2	2	1	2	1	7	27	21	63
Sidney	1	3	3	9	5	20	12	14	0	67	1	5	6	8	0	15	14	20	69
Urbana	1	0	2	14	4	16	13	13	0	63	0	0	0	1	1	17	28	15	62
West Bedford	6	0	1	5	12	28	17	18	3	90	3	1	0	0	4	5	23	19	55
Michigan—																			
Battle Creek	0	0	4	10	17	14	24	15	6	90	0	0	0	0	0	14	47	11	72
Cooper	2	0	7	0	4	4	66	0	7	90	0	0	8	0	2	0	62	1	73
Copper Falls Mines	17	13	5	21	11	3	6	9	5	90	----	----	----	----	----	----	----	----	----
Detroit	3	5	9	6	6	36	10	15	0	90	0	0	0	0	0	1	0	0	1
Eagle Harbor	17	12	5	21	11	3	7	9	5	90	----	----	----	----	----	----	----	----	----
Eagle River	0	15	10	0	2	2	19	7	0	55	----	----	----	----	----	----	----	----	----
Grand Rapids, [Currier]	0	6	4	18	0	18	14	5	20	85	0	0	0	1	1	10	11	1	24
Grand Rapids, [Strong] (*a*)	6	5	8	3	5	12	10	2	0	51	----	----	----	----	----	----	----	----	----
Monroe	8	8	7	5	9	21	7	25	0	90	8	9	7	6	6	6	8	40	90
Romeo	2	3	1	6	13	12	29	5	10	81	1	0	3	1	4	8	19	7	43
Indiana—																			
New Harmony	6	1	2	10	17	11	16	19	0	82	0	0	0	0	1	3	13	0	17
Richmond	0	0	4	5	6	17	17	6	35	90	----	----	----	----	----	----	----	----	----
Illinois—																			
Athens	0	1	1	25	0	25	4	28	0	84	0	0	1	3	0	8	30	10	52
Augusta	2	2	9	10	12	14	21	19	1	90	0	1	5	4	3	2	14	8	37
Brighton	1	7	2	5	23	19	8	25	0	90	0	8	8	6	0	0	0	0	22
Chicago (*a*)	3	0	0	9	3	9	12	2	4	42	0	0	0	2	2	7	9	5	25
Manchester (*a*)	10	1	1	3	22	7	32	14	0	90	3	0	0	0	13	7	18	5	46
Marengo	1	1	9	9	18	34	18	0	0	90	----	----	----	----	----	----	----	----	----
Ottawa	0	7	3	4	6	19	16	22	4	81	0	0	0	0	0	4	5	3	12
Peoria	5	2	6	8	8	13	39	9	0	90	1	0	0	0	1	5	5	3	15
Riley	9	0	1	5	14	16	19	12	5	81	----	----	----	----	----	----	----	----	----
Upper Alton	0	0	0	0	0	0	0	2	0	2	4	3	4	4	5	25	15	19	79
Warsaw	3	1	5	13	13	18	1	33	2	89	1	0	0	1	0	13	2	20	37
West Salem	----	----	----	----	----	----	----	----	----	----	0	0	0	0	1	24	31	0	56
Missouri—																			
Cape Girardeau	11	9	2	18	13	13	3	21	28	118	4	2	0	3	5	18	11	6	49
Palmyra	0	6	3	13	2	22	21	25	24	116	0	6	4	11	2	19	16	18	76
St. Louis	3	2	1	19	14	11	31	9	0	90	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	2	17	0	6	1	26	13	20	5	90	3	19	0	4	1	21	14	23	85
Beloit	6	3	0	8	22	14	19	18	0	90	0	2	0	1	0	1	7	0	11
Janesville	5	6	3	13	14	16	14	13	6	90	----	----	----	----	----	----	----	----	----
Kenosha	12	1	0	5	7	16	14	10	23	88	----	----	----	----	----	----	----	----	----
Madison, [Schue]	5	0	1	2	23	17	17	22	0	87	0	0	0	0	0	0	0	2	2
Milwaukee, [Winkler]	6	1	8	12	8	14	13	28	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	2	1	4	2	4	6	7	4	0	30	----	----	----	----	----	----	----	----	----
New London	12	9	1	1	4	29	13	21	0	90	24	6	0	0	2	15	22	8	77
Norway	3	4	4	3	15	23	25	7	4	88	1	1	3	0	1	5	53	8	72
Platteville	6	1	9	18	5	16	22	13	0	90	5	0	4	6	2	14	32	8	71
Racine, [Durham]	0	1	3	6	15	4	21	3	3	56	0	1	0	3	15	3	16	4	42
Superior	8	17	1	1	0	24	5	16	0	72	7	17	0	2	0	25	7	14	72
Waukesha	7	4	1	11	2	33	13	18	0	89	5	0	0	0	2	6	21	3	37
Iowa—																			
Border Plains	6	0	1	18	13	6	5	41	0	90	5	0	0	1	0	13	8	11	38

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No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Fort Madison (*a*)	6	2	2	20	14	16	3	24	3	90	2	2	0	1	4	12	23	14	58
Franklin	5	0	2	4	15	22	9	23	10	90	----	----	----	----	----	----	----	----	----
Muscatine	0	10	7	30	7	21	3	12	0	93	0	2	0	2	0	26	0	4	34
Pleasant Plain	4	6	5	10	12	13	15	25	0	90	7	12	24	12	4	0	2	0	61
Minnesota—																			
Hazlewood	8	1	0	9	19	0	4	49	0	90	5	3	6	2	5	0	11	5	37
Lake Winnibigoshish	13	4	2	9	18	2	5	12	16	81	2	0	0	1	2	2	5	10	22
Princeton	11	5	4	4	11	6	20	11	0	72	15	2	2	0	1	2	11	5	38
California—																			
Sacramento	24	6	5	17	6	6	5	21	0	90	----	----	----	----	----	----	----	----	----
Mexico—																			
City of Mexico	5	18	18	9	2	0	6	32	0	90	0	0	0	0	1	0	0	7	8
Vera Cruz	0	15	9	6	4	1	2	26	15	78	----	----	----	----	----	----	----	----	----
West Indies—																			
Port of Spain, Trinidad	----	----	----	----	----	----	----	----	1	90	5	19	36	18	4	3	4	1	90
South America—																			
Cathar'a Sophia, Sur'm (*a*)	2	40	12	20	11	5	0	0	0	90	0	11	34	30	3	0	0	0	78
Tovar, Venezuela	----	----	----	----	----	----	----	----	----	----	14	1	13	5	6	1	2	1	43
Azores—																			
Horta, Fayal	8	13	7	34	14	8	2	2	1	89	3	8	6	22	6	11	2	4	62

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	12	2	1	2	11	25	31	1	93	4	7	3	1	1	9	16	27	68
St Martin	0	24	1	8	2	25	5	28	0	93									
Toronto (*a*)	3	14	4	8	1	35	4	24	0	93									
Wolfville	5	9	2	7	2	5	40	20	3	93	6	13	2	3	5	5	31	11	76
MAINE—																			
Carmel (*a*)	0	11	0	2	0	10	8	28	6	65	0	8	0	1	0	5	4	7	25
Cornish	1	7	1	5	3	0	8	68	0	93									
Gardiner	5	29	1	6	0	4	3	33	12	93	0	1	0	1	0	7	1	18	28
Monson	2	2	7	4	0	1	3	74	0	93									
Perry	9	5	2	6	2	5	4	60	0	93	21	6	1	4	4	3	4	21	64
Portland	25	5	5	3	0	8	18	28	0	92	3	0	0	0	0	4	10	3	20
Steuben	4	32	0	1	0	12	4	39	1	93	3	5	0	0	0	9	12	11	42
NEW HAMPSHIRE—																			
Barnstead	0	14	0	0	0	8	10	61	0	93	1	6	13	24	11	0	0	0	55
Concord	6	7	0	3	0	4	2	71	0	93									
Great Falls	0	8	1	4	0	5	9	61	0	88	0	0	0	0	0	2	1	2	5
Manchester	8	5	0	4	2	6	11	52	0	88	8	4	0	4	1	7	15	17	56
Shelburne (*a*)	0	0	17	0	0	0	76	0	0	93	0	5	2	24	1	8	0	2	42
Stratford	0	0	6	0	1	5	21	8	0	41	0	0	0	0	1	4	19	14	38
West Enfield	0	3	0	4	9	0	14	63	0	93	1	0	1	4	8	1	10	55	80
VERMONT—																			
Brandon	25	0	2	1	21	4	11	12	12	88	1	0	0	0	1	3	6	21	32
Burlington	32	10	2	2	21	0	11	0	0	78									
Shelburn	9	2	2	1	30	4	6	34	0	88	0	8	5	15	0	1	0	0	29
MASSACHUSETTS—																			
Amherst	9	1	1	7	1	5	4	62	1	91	0	0	0	0	0	4	7	21	32
Boston	3	3	1	2	1	2	8	17	0	37									
Bridgewater (*a*)	9	10	0	6	3	0	22	43	0	93	2	0	7	18	3	5	0	6	41
Cambridge (*a*)	3	6	0	4	3	8	14	33	16	87									
Canton	14	2	4	6	7	1	33	16	10	93	3	1	0	0	1	1	8	1	15
Mendon	1	13	2	5	3	27	2	40	0	93	0	12	2	5	0	30	2	42	93
Nantucket	6	10	1	8	1	2	9	55	1	93									
New Bedford	9	8	0	7	2	11	9	46	1	93	2	3	3	5	4	3	2	10	32
Newburyport	7	5	3	3	5	2	36	24	0	85									
North Attleborough	14	2	4	3	3	10	18	37	0	91	2	7	5	2	4	6	24	10	60
Princeton	12	7	5	6	7	7	25	8	0	77	0	1	1	0	0	1	23	12	38
Richmond	0	10	0	17	0	7	1	55	0	90	2	6	0	16	1	3	2	50	80
Westfield	9	11	1	2	3	5	27	28	0	86									
Weymouth	3	3	1	4	3	4	6	36	0	60									
Williamstown	4	2	4	50	5	11	6	11	0	93	0	0	0	5	0	0	1	1	7
Worcester	10	11	0	0	2	4	34	33	0	93									
RHODE ISLAND—																			
Providence (*a*)	1	13	3	1	3	10	11	51	0	92									
CONNECTICUT—																			
Columbia	1	3	27	39	3	7	6	1	6	93	1	3	3	1	2	4	20	24	58
Georgetown	17	26	5	5	3	9	9	16	3	93	1	9	19	4	0	2	1	1	37
New London	10	3	0	6	0	35	33	6	0	93									
Norwich	0	12	0	10	2	15	8	32	14	93									
Pomfret	6	8	1	6	2	4	4	61	0	92	0	6	1	4	2	6	5	21	45
Saybrook	8	14	0	6	2	3	26	28	6	93	1	1	1	2	3	2	18	16	44
Wallingford	25	4	0	3	3	4	16	32	6	93	0	0	3	2	0	0	28	8	41
NEW YORK—																			
Angelica	0	0	4	7	1	13	43	25	0	93	0	0	1	4	0	20	25	22	72
Baldwinsville	1	3	11	9	1	3	16	43	0	87	0	1	0	2	1	0	26	40	70
Beverly	7	25	0	3	0	28	2	24	2	91	1	9	2	3	2	15	18	17	67
Blackwell's Island	12	5	1	5	4	17	32	17	0	93	11	4	1	2	4	10	28	15	75
Cazenovia	2	1	2	9	12	2	18	42	5	93	4	0	2	6	8	2	24	26	72
Clinton	2	4	11	7	1	1	5	9	1	93	1	1	36	8	0	0	0	8	54
Fishkill Landing	0	41	2	8	2	10	14	16	0	93	0	3	1	0	0	0	20	5	29
Flatbush	14	9	14	1	10	4	18	33	0	93	4	3	1	3	4	6	13	18	52

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No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Lowville	25	0	0	5	10	16	13	24	0	93	1	2	0	0	1	3	11	12	30
Mexico	9	4	16	14	6	5	24	15	0	93	0	0	0	0	1	1	15	5	22
New York city	1	13	4	6	0	2	32	35	0	93	0	3	3	3	1	5	33	20	68
North Salem	6	10	8	10	5	5	13	36	0	93									
Oswego	10	5	11	7	14	6	35	3	2	93									
Ovid	4	5	1	15	7	16	24	21	0	93	3	5	0	12	3	13	30	18	84
Penn Yan (*a*)	6	6	0	2	12	17	42	8	0	93									
Rochester, [Harkness]	6	1	4	3	14	5	39	7	14	93									
Rochester, [Pratt]	3	1	3	10	6	22	34	12	0	91	3	0	2	1	3	10	25	4	48
Sag Harbor	11	10	2	7	9	10	19	25	0	93	3	0	2	5	2	10	19	12	53
Saratoga	4	13	2	3	5	17	21	28	0	93	5	10	3	2	6	16	23	28	93
Spencertown	12	3	8	12	8	1	12	37	0	93	1	2	0	5	2	6	20	35	71
Townsendville	5	1	0	17	3	7	19	34	7	93	0	0	0	1	4	4	20	4	33
Troy	12	4	1	3	3	5	24	21	20	93	0	0	0	0	2	1	10	2	15
Utica	12	2	0	6	13	0	7	14	39	93									
Wampsville	1	1	15	3	3	3	57	7	0	90	1	4	15	2	3	4	52	6	87
Watertown	0	34	0	5	0	28	17	9	0	93	0	28	0	3	0	24	17	7	79
NEW JERSEY—																			
Bloomfield	0	0	0	4	0	18	1	58	0	81									
Burlington	10	7	8	6	1	7	24	26	4	93									
Lambertville	3	8	0	4	5	9	2	53	0	84									
Newark (*a*)	8	8	0	5	0	9	3	29	0	62									
PENNSYLVANIA—																			
Bedford	1	0	0	6	3	14	1	52	0	77	0	0	0	6	2	9	1	32	50
Berwick	2	3	20	6	2	2	40	16	1	92									
Cannonsburg	1	0	11	8	1	13	50	9	0	93									
Carlisle	1	5	6	9	2	11	12	33	7	86	1	2	3	2	1	8	8	19	44
Chromedale	10	11	6	3	2	3	2	34	22	93	7	0	0	1	2	7	18	12	47
Easton	7	3	4	8	1	1	21	31	11	90	4	1	1	1	3	1	16	25	52
Gettysburg	2	11	0	3	4	48	20	29	6	93	1	0	0	1	1	12	30	15	60
Harrisburg	2	4	2	9	0	0	11	63	0	91	1	2	0	1	0	0	3	21	28
Lewisburg	8	4	3	6	2	18	33	12	7	93	5	0	0	0	3	5	15	8	36
Meadville	1	0	0	4	13	13	23	13	25	92	1	0	0	5	2	5	25	21	59
Morrisville	7	10	2	4	5	6	13	31	15	93	3	5	0	3	0	9	12	25	57
Moss Grove	4	1	7	7	12	19	36	7	0	93	4	0	0	0	5	16	50	3	78
Nazareth (*a*)	14	6	1	2	1	2	25	13	12	76	7	0	0	3	0	2	14	6	32
Norristown	1	0	9	6	1	5	37	22	0	81	0	0	3	3	0	7	39	6	58
North Whitehall (*a*)	8	3	6	0	1	1	12	26	35	92									
Philadelphia	3	8	6	3	5	15	32	21	0	93	0	0	0	0	0	5	5	1	11
Pocopson	7	0	2	1	8	20	37	15	0	90	2	0	0	0	0	7	11	4	24
Shamokin	16	7	8	5	1	4	4	48	0	93	2	1	0	2	0	5	29	11	50
Somerset	2	2	3	6	8	10	44	18	0	93	1	14	33	10	0	0	1	3	62
West Haverford	5	1	3	4	7	4	7	24	7	62	3	2	0	0	0	3	15	19	42
DELAWARE—																			
Newark, [Craven] (*a*)	2	1	6	2	2	6	10	21	0	50	0	1	4	1	3	1	1	0	11
MARYLAND—																			
Bladensburg	1	2	0	6	0	7	3	29	0	48									
Frederick	3	5	1	1	5	16	19	30	13	93	0	0	0	0	1	6	31	6	44
Ridge (*a*)	14	5	0	9	18	6	8	27	4	91									
Sykesville	2	1	5	9	0	11	34	31	0	93	0	0	6	6	0	7	45	2	66
DISTRICT OF COLUMBIA—																			
Washington	1	7	2	8	0	19	12	41	3	93									
VIRGINIA—																			
Alexandria	9	1	3	4	9	7	9	50	0	92									
Berryville	17	5	2	2	6	12	10	27	11	92	3	2	0	0	1	8	15	3	32
Crichton's Store (*a*)	25	4	3	4	17	17	11	9	0	90	0	0	0	0	0	54	8	1	63
Lewisburg	0	0	0	0	0	0	6	0	0	6	1	0	0	0	2	2	24	4	33
Montross	13	2	4	6	7	15	17	7	22	93	2	0	1	1	4	9	22	2	41
Mossy Creek	8	17	3	3	1	13	7	41	0	93	4	7	0	0	1	5	5	33	55
Mustapha	7	0	0	0	15	5	0	1	0	28									

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No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Poplar Grove	0	0	9	2	0	3	8	26	41	89	0	1	0	0	0	11	24	14	50
Portsmouth	27	9	10	4	5	9	9	14	0	87	----	----	----	----	----	----	----	----	----
Smithfield	1	3	0	0	1	3	1	2	0	11	0	1	0	0	0	0	3	0	4
Winchester	0	0	1	2	0	1	14	27	48	93	----	----	----	----	----	----	----	----	----
Wirt Court-house	4	30	0	33	1	4	0	3	17	92	4	35	0	27	0	3	0	0	69
NORTH CAROLINA—																			
Chapel Hill	11	7	7	2	5	14	24	23	0	93	0	0	0	0	3	40	2	2	47
Goldsborough	7	12	9	4	5	12	18	7	14	88	0	0	0	1	1	9	2	0	13
Murfreesborough	1	23	2	13	1	5	15	13	19	92	1	5	0	0	0	12	28	1	47
SOUTH CAROLINA—																			
All Saints	15	8	6	6	11	21	16	7	3	93	6	3	1	0	1	19	25	1	56
Camden	12	26	2	5	0	15	15	16	2	93	0	3	0	1	3	21	26	4	58
Charleston, [Johnson]	4	11	0	2	4	5	1	12	3	42	----	----	----	----	----	----	----	----	----
Charleston, [Dawson] (*a*)	0	20	2	3	0	23	5	9	0	62	----	----	----	----	----	----	----	----	----
Edisto Island (*a*)	4	29	2	1	3	17	8	21	8	93	0	4	0	2	0	17	6	3	32
St. John's	0	18	0	4	0	16	0	24	0	62	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	11	9	6	3	15	10	19	20	0	93	0	1	0	0	1	4	12	1	19
Sparta	4	18	5	4	5	17	18	20	0	91	1	2	1	2	0	23	14	3	46
Thomaston	5	11	10	11	2	2	11	41	0	93	----	----	----	----	----	----	----	----	----
Whitemarsh Island	4	21	1	4	9	7	10	16	21	93	0	5	0	1	3	17	8	0	34
Zebulon	0	1	35	3	1	3	34	1	0	78	1	3	5	0	0	3	7	4	23
FLORIDA—																			
Atsena	18	33	4	8	4	7	1	13	5	93	1	11	2	6	1	8	3	6	38
Gainesville	16	9	3	4	3	22	8	27	0	92	----	----	----	----	----	----	----	----	----
Jacksonville	3	18	0	6	3	19	1	41	0	91	0	2	1	5	3	32	4	4	51
St. Augustine (*a*)	8	23	7	9	1	14	7	24	0	93	7	16	2	4	4	13	7	17	70
Salt Ponds	16	13	13	15	5	0	0	0	0	62	0	0	0	0	1	11	4	4	20
Warrington	9	32	2	10	1	4	0	35	0	93	1	0	0	9	0	11	2	6	29
ALABAMA—																			
Auburn	14	3	6	28	4	7	12	17	0	91	2	6	1	7	16	5	2	2	41
Carlowville	19	15	11	7	7	8	2	20	0	89	0	0	0	0	5	4	2	0	11
Greene Springs	2	2	5	23	2	12	16	14	0	76	1	0	0	1	6	11	4	1	24
Greensborough	6	1	6	37	3	1	2	37	0	93	1	0	0	5	7	9	32	3	57
MISSISSIPPI—																			
Columbus	13	4	19	17	8	1	16	14	1	93	----	----	----	----	----	----	----	----	----
Port Gibson	19	6	3	4	9	8	1	7	0	57	----	----	----	----	----	----	----	----	----
Natchez	30	19	5	2	12	1	12	4	0	76	----	----	----	----	----	----	----	----	----
LOUISIANA—																			
Black River	31	7	4	12	24	6	2	7	0	93	8	8	0	0	2	0	0	1	19
Trinity	30	6	18	4	29	3	2	1	0	93	12	8	9	1	1	1	0	1	33
TEXAS—																			
Austin	18	0	1	16	16	12	6	24	0	93	2	0	1	10	16	25	5	11	70
Pin Oak (*a*)	18	0	0	2	11	0	0	0	0	31	----	----	----	----	----	----	----	----	----
Washington, [Rhodes]	18	0	0	0	12	0	1	0	0	31	----	----	----	----	----	----	----	----	----
Washington	38	0	0	0	46	0	0	0	0	84	36	1	1	0	49	0	0	0	87
New Braunfels	26	1	9	2	17	0	9	1	27	92	0	0	0	0	1	1	3	0	5
TENNESSEE—																			
Glenwood	15	7	1	14	9	5	5	18	19	93	0	0	0	4	5	12	25	7	53
Walnut Grove	3	4	3	0	0	1	0	0	41	52	0	2	0	1	2	3	6	0	14
KENTUCKY—																			
Ballardsville	2	17	3	6	6	35	20	4	0	93	0	0	0	1	1	10	6	4	22
Danville	1	2	7	11	14	18	30	10	0	93	0	0	0	1	0	25	22	2	50
Millersburg	7	0	9	5	1	5	8	17	0	52	3	0	1	0	0	1	26	0	31
Paris	0	4	2	22	3	24	25	11	0	91	0	0	0	0	10	6	20	0	36
Springdale	0	12	10	3	5	20	12	10	21	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	0	6	11	1	4	26	33	11	0	92	----	----	----	----	----	----	----	----	----
Cincinnati, [Telegraph]	1	2	5	4	1	5	2	6	2	31	----	----	----	----	----	----	----	----	----
Cleveland	0	0	7	16	12	19	21	11	2	88	1	2	2	0	4	7	25	8	49

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
College Hill	5	1	8	10	10	5	10	16	26	91	0	0	1	1	1	6	12	8	29
Germantown, [Groneweg]	0	4	0	15	5	41	2	20	0	87	0	3	0	12	2	32	1	14	64
Germantown, [Binkerd]	3	0	3	1	6	15	22	4	30	84	1	0	1	1	2	7	33	4	49
Granville	0	1	4	0	0	15	16	1	30	67	0	0	0	0	0	7	6	0	13
Hillsborough	2	18	0	14	1	35	0	23	0	93	0	0	0	0	0	14	3	4	21
Hiram (*a*)	4	1	0	2	4	6	22	16	0	55	1	0	0	0	3	4	20	6	34
Jefferson	0	10	3	12	5	29	5	29	0	93	0	9	3	8	5	33	5	23	86
Madison	6	6	2	4	8	8	18	9	0	61	1	4	2	0	4	25	40	8	84
Portsmouth (*a*)	8	4	4	6	1	8	17	9	8	65									
Savannah	0	2	6	6	2	14	22	41	0	93	0	2	5	4	2	15	20	30	78
Sidney	0	8	6	10	1	29	13	10	0	77	0	3	1	1	0	36	25	15	81
Urbana	0	1	6	14	0	10	19	6	30	86	0	1	2	0	1	13	34	4	55
West Bedford	1	1	5	5	13	21	12	34	0	92	1	0	2	4	4	11	17	22	61
MICHIGAN—																			
Battle Creek	2	0	21	5	5	12	33	6	9	93	2	0	3	0	0	24	44	11	84
Cooper	0	0	15	0	1	4	68	1	4	93	0	0	15	0	0	0	70	0	85
Copper Falls Mines	36	13	3	19	10	0	2	8	0	91									
Eagle River	1	23	6	0	10	2	20	1	0	63									
Grand Rapids, [Currier]	0	11	4	11	2	20	14	4	25	91	0	0	0	0	0	4	4	0	8
Grand Rapids, [Streng]	4	14	5	17	6	23	15	9	0	93	9	2	1	3	4	21	41	11	92
Monroe	11	19	10	5	5	0	7	36	0	93	6	18	11	9	2	2	7	35	93
Romeo	1	3	5	8	5	17	32	15	3	89	2	0	1	0	0	6	12	11	32
INDIANA—																			
New Harmony	7	1	12	18	5	3	17	13	0	76	1	0	0	1	0	1	4	0	7
Richmond	0	0	10	8	7	26	14	1	26	92	0	0	0	0	0	1	0	1	2
ILLINOIS—																			
Athens	0	11	6	26	2	15	1	28	0	89	0	2	0	5	0	12	17	22	58
Augusta	0	9	12	18	6	13	17	17	1	93	1	4	7	5	1	3	11	6	38
Brighton	0	16	3	22	2	15	14	21	0	93	1	8	8	11	1	4	0	3	36
Chicago	1	3	9	7	8	18	30	11	6	93	2	4	5	3	2	15	23	10	64
Manchester (*a*)	7	7	5	3	17	4	39	10	1	93	1	0	2	0	5	6	18	2	34
Marengo	0	11	11	13	3	23	31	1	0	93									
Ottawa	0	7	14	15	4	0	26	17	7	90	1	0	0	0	1	2	3	6	13
Peoria	0	9	24	3	9	6	32	10	0	93	0	0	0	0	0	5	11	2	18
Riley	2	6	11	12	4	3	21	21	11	91									
Upper Alton	10	0	9	6	4	12	12	40	0	93									
Warsaw	3	8	15	22	1	10	4	30	0	93	2	2	0	0	0	3	1	16	24
West Salem	2	9	4	17	11	10	10	4	26	93	0	0	0	0	0	22	28	5	55
MISSOURI—																			
Cape Girardeau	5	15	1	29	5	13	4	23	29	124	2	2	0	18	9	9	3	10	53
Palmyra	0	8	9	17	3	6	7	43	15	108	0	4	9	15	4	4	4	23	63
St. Louis	2	7	14	16	10	16	25	3	0	93									
WISCONSIN—																			
Appleton	2	17	1	8	3	23	18	15	6	93	2	16	1	7	2	28	16	15	87
Beloit	5	7	3	8	11	16	31	12	0	93	0	0	0	1	1	1	2	0	5
Janesville	0	9	8	16	5	8	35	3	9	93									
Kenosha	1	5	5	5	9	5	39	6	16	91									
Madison, [Sterling] (*a*)	6	6	2	4	8	8	18	9	0	61	0	0	0	0	0	0	1	0	1
Milwaukee, [Winkler]	7	6	5	5	0	15	35	20	0	93									
Milwaukee, [Pomeroy]	1	2	3	2	1	2	18	2	0	31									
New London	10	3	0	6	0	35	33	6	0	93	18	0	0	3	0	16	14	16	67
Norway	3	12	3	3	7	15	40	10	0	93	1	7	2	1	2	6	45	8	72
Platteville	1	9	16	14	2	9	31	11	0	93	0	2	14	3	2	9	26	2	58
Racine, [Durham]	5	3	7	1	13	3	59	2	0	93	5	3	7	2	14	1	32	3	67
Racine, [Seymour]	1	1	3	2	0	10	2	12	0	31									
Superior	3	6	2	1	3	20	10	4	0	49	7	7	1	0	5	17	4	5	46
Waukesha	0	19	2	6	6	39	11	8	0	91	0	0	1	0	0	1	4	7	13
IOWA—																			
Bellevue	11	10	5	12	0	15	20	20	0	93	2	3	1	0	2	6	11	7	32
Border Plains	3	17	6	19	8	1	6	33	0	93	1	1	0	0	1	8	3	10	24

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Camanche	0	10	1	8	0	1	7	15	1	43	0	0	0	0	0	0	3	0	3
Fort Madison (*a*)	0	15	4	23	2	7	5	35	1	92	0	3	6	4	5	10	16	15	59
Franklin	8	6	19	5	4	9	9	25	8	93	----	----	----	----	----	----	----	----	----
Muscatine	0	20	2	14	0	7	0	50	0	93	0	1	0	3	0	5	0	4	13
Pleasant Plain	5	11	12	17	7	8	18	12	3	93	5	15	25	5	2	0	3	0	55
Minnesota—																			
Hazlewood	12	6	9	6	20	1	7	31	1	93	4	3	12	3	2	0	0	8	34
Lake Winnibigoshish	25	5	0	17	9	2	5	13	8	84	0	0	0	1	0	1	1	6	9
Princeton	12	7	5	6	7	7	25	8	0	77	8	1	4	1	11	1	22	0	48
California—																			
Sacramento	18	11	0	24	4	8	2	26	0	93	2	0	0	6	1	16	1	16	42
Mexico—																			
Vera Cruz	5	4	2	6	4	0	1	29	16	67	----	----	----	----	----	----	----	----	----
West Indies—																			
Port of Spain, Trinidad	----	----	----	----	----	----	----	----	----	93	2	32	43	14	2	0	0	0	93
South America—																			
Catharina Sophia, Sur'm (*a*)	4	37	15	28	7	0	0	2	0	93	0	18	39	31	0	1	0	0	89
Azores—																			
Horta, Fayal	5	18	15	10	17	13	11	1	3	93	0	13	11	3	7	18	8	1	61

a For deviations from the usual hours of observation, &c., see notes to table of thermometer for this month.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1856.*

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
BRITISH AMERICA—													
Montreal	3.370	5.420	1.950	1 510	2.770	1.140	2.490	5.380	1.410	4.090	?2.830	?3.230	?35.590
St. John's	.....	.....	9 780	2.980	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Martin	?2.650	?0.913	0.258	1.835	5.973	4.323	6.373	9.909	3.571	5.220	2.433	2.031	?45.489
Toronto	?1.360	?0.970	?1.620	?2.790	4.580	3.200	1.120	1.680	4.105	0.885	?2 325	3.420	27.875
Wolfville	1.120	1.830	0.530	0 930	3.400	.....	3.560	4.510	2.010	2.990	2.050	4.550	.....
MAINE—													
Cornish	.....	.....	.....	?2.550	?5.500	1.250	2.875	8.937	2.250	5 250	2.900	2.800	.....
Fryeburg	?2.100	?1.150	?1.350	?2.500	?3.250	.....	.....	.....	.....	.....	.....	.....	.....
Gardiner	2.251	1.947	0.900	2.460	4.520	2.042	2.490	7.494	3.830	3.198	2.148	4.702	37.975
Monson	.....	.....	.....	.....	.....	.....	.....	.....	3.437	5.875	?2.625	?3.250	.....
Perry	1.700	2.700	1.900	2.800	7.100	4.960	5.050	8 280	2.010	4.090	5.600	3.100	49.290
Portland	.....	?1.250	.....	.....	.....	1.549	4 453	6.827	4.890	?3.471	2.247	5.154	.....
Steuben	?3.800	?2.640	?2.510	?3.600	?8.100	?4.900	?7.100	?9.400	?4.700	?7.300	?3 050	.....	.....
NEW HAMPSHIRE—													
Barnstead	.....	.....	?1.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Concord	?2.650	?2.000	?1.612	.....	?3.000	?3.708	?3.375	.....	?5.875	?1.500	?1.200	?1.550	.....
Londonderry	4.200	1.050	0.950	2.200	6.150	?0.300	?1.600	.....	.....	.....	.....	.....	.....
Manchester	?2.000	.....	?0.700	.....	.....	.....	.....	.....	.....	2.235	2.884	5.820	.....
Stratford	.....	.....	?1.700	.....	.....	2.000	2.630	.....	3 840	2.550	2.220	?1.500	.....
West Enfield	.....	.....	.....	.....	.....	.....	.....	?19.750	?4.875	?4.750	?4.076	?3.500	.....
VERMONT—													
Brandon	.....	.....	?1.375	.....	1.510	1.920	2.645	9.650	3.310	1.755	2.310	2.570	.....
Burlington	0.960	0.180	0.510	1.360	2.830	1.670	1.670	9.130	3.430	2.280	1.790	1.010	.....
Craftsbury	?2.000	?1.700	?2.200	.....	.....	.....	3.900	8.520	5.500	1.520	2.000	3.360	.....
Norwich	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.375	.....	.....
Shelburn	.....	.....	?1.000	1.030	?4.700	?4.000	?4.250	6.300	?3.800	2.750	?3.900	.....	.....
MASSACHUSETTS—													
Amherst	2.483	0.788	1.118	2.510	5.313	1.920	1.955	12.132	3 472	1.403	2.817	4.187	40.128
Bridgewater	.....	.....	.....	.....	.....	1.815	2.019	2.791	4.627	1.250	2.720	3.895	.....
Cambridge	.....	.....	?1.770	3.439	6.735	2.869	4.242	14.986	4.664	3.238	2.893	3.905	.....
Lawrence	2.150	2.130	1.430	3.780	6 240	2.730	2.400	18.120	6.530	4.300	4 330	4.960	58.700
Mendon	.....	.....	.....	.....	?7.980	.....	?1.040	13.850	?4.900	2.500	?1.262	.....	.....
Nantucket	3.750	2.030	1.346	2.996	2.899	5.394	1.470	1.163	5.202	2.034	3.610	3.869	35.703
New Bedford	4.610	1.130	1.460	2.850	3.520	1.880	2.950	2 500	4.050	1.680	2.900	3.450	32.980
Newburyport	3.485	1.059	?2.050	3.695	5.120	3.160	2.685	12.090	3.697	3.150	?2.500	?3.985	?46.676
North Attleborough	2.560	0.800	0.882	4.630	5.670	2.060	4.805	10.120	5.280	1.300	2.440	4.870	45.417
Princeton	.....	0.690	1.310	2.710	5 560	1.370	2.230	12.390	3.220	3.090	2.840	3.300	.....
Richmond	?3.137	?0.650	.....	.....	?14.625	?9.125	?4.750	?15.125	?11.000	?3.125	?6.550	.....	.....
Southwick	3.800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Springfield	2.260	0.940	0 840	2.730	5.280	.....	.....	.....	.....	.....	.....	.....	.....
Westfield	3.830	0.810	2.350	2.760	6.040	2.060	1.930	14.170	3.970	2.250	2.920	5.190	.....
Weymouth	.....	.....	.....	.....	.....	.....	.....	9.950	4.240	2.840	1.950	5.740	.....
Williamstown	2.230	0.965	1 650	2.090	6.246	.....	1.270	14.795	4.246	1.200	2.507	3.760	.....
Worcester	4.600	1.050	1.690	3.390	6.550	1.445	?2.680	13.040	3.390	?	?2.280	3.680	.....
RHODE ISLAND—													
Providence	5.250	0.800	1.550	2.800	4.100	2.470	4.200	5.750	5.100	1.150	2.000	5.800	40.970
CONNECTICUT—													
Georgetown	.....	.....	?1.987	3.625	5.630	3.250	2.950	13.750	4.250	1.875	3.325	6.210	.....
New London	?3.250	?1.000	?1.000	4.020	5.300	2.010	1.930	?5.710	3.850	?1.600	?6.100	?5.900	41.670
Pomfret	5.970	1.700	1 150	3.450	4.580	1.390	3.500	12.500	4 310	2.150	2.190	4.800	47.690
Saybrook	?	1.250	?1.760	?4.750	?5.360	1.760	2.350	10.810	4.910	1.360	3.150	5.990	.....
Wallingford	.....	.....	.....	4.100	6.850	3.070	2.930	11.650	3.220	1.980	2.670	6 610	.....
NEW YORK—													
Angelica	?2.850	?0.550	?	.....	.....	?3.520	.....	1.830	4.820	1.770	.....	?1.900	.....
Beverly	.....	?0.300	.....	.....	.....	.....	2.670	13.110	4.280	1.460	2.061	6.470	.....
Blackwell's Island	6.186	1.080	2.160	1.956	4.612	3.000	4.460	6.678	2.835	1.360	2.303	3.610	40.240
Buffalo	.....	.....	.....	.....	.....	.....	2.722	0.592	2.131	0.546	.....	.....	.....
Canton	?3.400	?1.150	0.980	1.174	3.278	2.061	1.510	.....	.....	.....	.....	.....	.....
Cazenovia	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.410	2.840	3.250	.....
Clinton	1.200	1.300	2.320	.....	.....	.....	.....	1.400	3 070	3.720	1.170	3.650	2.030	.....
Concord	.....	.....	?1.500	.....	.....	.....	.....	.....	.....	.....	1.000	.....	.....
Fishkill	2.300	0.650	?1.300	2.950	1.970	.....	.....	.....	.....	.....	.....	?3.370	.....
Flatbush	4.126	0.980	2.125	2.686	4.187	3.780	3.245	8.040	3.840	0.880	2.680	3.320	39.889
Fordham	.....	.....	.....	.....	.....	.....	3.650	.....	?0.583	?7.500	.....	?3.650	.....
Geneva	2.316	0.169	0.784	2.267	2.609	3.918	5.091	1.296	2.663	2.137	.....	.....	.....
Homer	2.070	1.020	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Houseville	.....	.....	.....	.....	.....	1.380	1.580	4.080	.....	.....	.....	.....	.....
Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.050	.....
Liberty	1.450	1.220	1.870	2 400	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lodi	?0.244	.....	1.062	2.562	2.250	3.312	3.312	?1.750	2.250	.....	.....	.....	.....
Lowville	.....	.....	.....	.....	2.750	0.190	1.686	2 876	4.172	1 310	2.778	5.112	.....
Mexico	.....	.....	0.860	2.160	3.650	1.520	2.170	3.340	5.950	4.190	3.370	5 160	.....
New York city	3 980	0.660	2.080	2.720	4 780	3.580	4.260	6.730	?2.500	1.182	2.509	4.450	?39.422
North Salem	.....	.....	.....	3 090	4.070	2.680	.....	12.100	3.039	1.530	1.600	?3.490	.....
Ogdensburg	.....	.....	.....	.....	.....	15.675	1.040	3.330	2.900	1.890	2.330	.....	.....
Oswego	.....	.....	.....	2.020	2.076	1.712	3.638	?2.121	?6.400	?1.500	.....	.....	.....
Ovid	2.590	0.420	1.230	3.290	3.300	4.270	7.700	1.420	2.730	2.200	1.970	1.540	32.660
Penn Yan	1.790	0.450	1.500	1.860	1.780	3.100	3.250	1.050	2 170	1.100	1.710	1.920	21.680
Plattsburg	1.250	0.300	1.490	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pompey Hill	.....	.....	.....	.....	2.800	2.450	1.709	.....	.....	.....	.....	.....	.....
Rochester, [Harkness]	3.100	1.560	3.375	2.350	3.110	1.460	1.979	2.700	3.532	1.047	1.670	2.611	28.494
Rochester, [Pratt]	1.940	0.771	1.920	2.325	2.480	1.900	1.870	2.700	3.520	0.995	1.325	2.680	24.356
Sag Harbor	5.100	?1.400	2.240	3.200	4.030	.....	5.000	6.720	2.600	0.230	2.700	?6.410	.....
Smithville	?6 600	?2.325	?3.580	.....	.....	.....	.....	.....	.....	.....	3.345	.....	.....
Spencertown	2.237	1.128	1.600	2.620	5.580	1.090	1.765	10.610	4.853	0.717	2.042	3.542	38.394
Townsendville	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.812	1.625	2.313	.....

* In cases where the observer recorded only the depth of snow as it fell, without melting, it is estimated in this table as equal to one-tenth of that depth in water; and whenever, from this cause or any other, there is reason to doubt the accuracy of the record, it is indicated by affixing a mark of interrogation.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1856.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
NEW YORK—Continued.													
Troy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.318	2.474	.....
Wampsville	.....	.....	?2.500	.....	.....	.....	2.480	?10.510	8.670	2.370	?3.990	.....	.....
Watertown	1.650	0.210	1.650	1.440	3.720	1.410	1.830	3.710	3.840	3.830	1.850	2.050	27.190
NEW JERSEY—													
Bloomfield	3.151	0.415	1.402	2.882	4.315	3.239	0.540	3.900	?0.890	1.355	1.931	3.301	?27.321
Burlington	.....	.....	.....	.....	.....	?	2.430	4.627	3.118	1.420	2.862	3.772	.....
Lambertville	4.101	0.865	1.828	2.337	3.127	1.930	1.211	4.865	4.660	1.382	2.392	3.674	32.319
Newark	3.770	1.250	2.000	2.570	4.315	3.120	1.410	5.700	2.665	1.400	2.850	3.485	31.525
PENNSYLVANIA—													
Bedford	.....	?0.700	?2.000	.....	1.205	1.262	0.995	1.875	1.847	1.728	1.170	?1.076	.....
Cannonsburg	3.250	1.166	2.125	.....	2.827	3.176	1.050	1.373	1.675	1.385	2.110	1.540	.....
Carlisle	?2.150	?0.900	.....	.....	.....	4.178	3.769	2.021	1.574	2.155	2.101	.....	.....
Chromedale	2.490	1.170	1.740	3.360	3.060	1.840	2.490	5.460	4.910	1.180	2.960	3.660	34.320
Easton	?	0.720	?	2.930	3.460	2.350	1.480	6.440	6.510	0.960	2.480	3.250	.....
Gettysburg	2.750	1.250	1.785	2.910	2.875	2.856	3.780	2.475	1.120	1.590	2.460	2.765	28.616
Harrisburg	?1.800	?	?	3.765	3.188	3.178	2.046	2.896	0.323	2.035	2.083	2.952	.....
Lancaster Colliery	2.111	0.816	1.280	4.342	2.070	4.354	3.099	3.186	1.580	0.792	2.022	3.110	28.762
Lewisburg	.....	0.699	1.488	3.018	3.030	2.390	3.214	2.470	2.038	0.745	2.433	2.671	.....
Meadville	.....	.....	.....	.....	1.770	5.592	.....	2.042	1.993	3.641	2.420	?2.331	.....
Morrisville	?0.430	?0.900	?1.650	?3.000	?2.900	?1.900	?2.600	?4.600	?4.200	?1.300	?2.760	?4.100	?30.340
Moss Grove	1.950	1.850	2.100	3.400	.....	5.240	1.470	.....	2.705	3.850	2.982	3.732	.....
Nazareth	.....	?0.554	.....	3.725	.....	2.630	2.270	9.110	4.510	1.350	3.320	.....	.....
Norristown	3.650	1.260	0.453	5.590	3.300	1.160	1.500	7.090	5.820	0.980	3.070	4.170	38.043
Philadelphia	3.368	1.128	2.039	3.149	2.334	.....	1.127	5.186	5.702	1.303	2.886	3.619	.....
Pittsburg	3.100	1.500	2.000	2.770	3.321	4.277	3.090	2.051	1.620	2.170	2.138	0.780	28.820
Pocopson	3.910	1.280	2.020	3.710	3.940	1.180	1.710	5.100	3.830	0.910	2.370	4.390	34.350
Randolph	1.840	1.700	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Somerset	.....	.....	.....	.....	3.288	3.950	1.545	4.241	1.560	2.430	?3.395	1.615	.....
Troy Hill	2.730	1.800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Haverford	.....	.....	.....	.....	.....	1.230	1.302	5.500	.....	.....	3.115	.....	.....
MARYLAND—													
Bladensburg	.....	.....	.....	.....	.....	5.240	2.290	6.480	2.410	1.690	1.960	2.250	.....
Chestertown	2.400	0.870	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frederick	4.787	1.161	1.776	2.900	3.089	2.155	2.826	3.740	1.437	1.845	2.437	2.479	30.635
Sykesville	.....	?0.483	.....	.....	?4.000	?1.500	?5.833	?5.083	?2.833	?2.750	2.583	?3.530	.....
DISTRICT OF COLUMBIA—													
Washington	4.600	0.640	1.785	2.675	4.198	5.949	3.869	4.175	1.910	1.805	2.140	2.340	35.486
VIRGINIA—													
Alexandria	4.882	1.144	1.186	2.376	3.126	2.602	2.398	4.182	2.151	1.650	1.981	2.268	29.886
Berryville	....	.....	.....	.....	.....	.....	6.740	2.500	1.230	2.410	2.310	1.620	.....
Buffalo	1.797	0.928	?1.506	1.131	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crichton's Store	4.700	?0.501	?0.750	0.150	0.500	9.370	0.850	3.100	7.500	2.700	4.300	?2.050	?36.470
Kanawha	?1.500	?1.750	?2.000	?3.500	?4.000	?3.250	?0.750	?2.250	?2.500	?3.250	?2.500	?2.000	?29.250
Lewisburg	.....	?	1.300	?1.075	.....	1.900	?4.300	5.310	0.910	3.000	3.940	1.200	.....
Peach Grove Lodge	?3.475	2.250	1.760	2.740	5.520	2.361	2.220	3.020	1.710	.....	.....	.....	.....
Portsmouth	.....	.....	.....	3.020	7.430	10.080	1.500	6.880	5.820	4.540	3.280	5.050	.....
Ruthven	.....	.....	.....	.....	.....	.....	.....	6.755	5.140	3.050	3.610	2.020	.....
Smithfield	6.745	1.495	?1.855	2.191	2.720	4.875	3.880	4.405	9.298	4.542	2.930	3.555	?48.491
Trout Run Valley	?1.650	?2.100	?1.875	2.520	2.950	3.760	2.620	2.310	1.660	2.180	?1.180	.....	.....
Winchester	.....	.....	1.740	3.610	3.300	3.500	.....	.....	3.670	2.300	2.010	1.870	.....
NORTH CAROLINA—													
Chapel Hill	.....	.....	.....	1.656	3.835	2.369	1.454	3.788	7.460	2.777	3.740	3.458	.....
Gaston	.....	.....	.....	.....	.....	.....	.....	?3.520	2.620	2.290	3.840	3.130	.....
Murfreesborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.330	2.820	2.800	.....
SOUTH CAROLINA—													
Aiken	5.295	2.315	5.785	0.793	4.457	4.500	3.250	13.795	.....	.....	5.544	4.595	.....
All Saints	7.140	2.040	4.900	0.410	1.250	2.265	2.060	2.530	0.570	2.360	3.170	4.010	32.735
Camden	5.950	2.200	6.270	0.830	6.880	3.080	3.610	8.580	4.410	2.520	4.800	4.830	53.840
Charleston, [Johnson]	7.025	2.006	6.412	1.000	7.875	5.037	3.488	7.250	1.950	2.250	2.537	2.287	49.117
Charleston, [Dawson]	6.120	2.090	5.550	0.210	2.930	1.580	2.710	5.860	1.320	1.810	1.930	1.720	33.890
Columbia	.....	.....	.....	.....	.....	.....	.....	.....	5.660	1.980	.....	.....	.....
Edisto Island	.....	1.525	5.215	0.325	1.860	2.815	.....	6.130	0.415	2.340	1.150	1.660	.....
St. John's	7.300	2.180	7.030	0.800	4.110	8.650	5.370	9.820	0.270	3.080	3.860	5.010	57.480
GEORGIA—													
Savannah	7.371	1.178	5.036	1.256	5.798	6.512	4.980	6.369	1.241	1.471	2.202	1.895	45.312
Sparta	8.020	2.090	7.260	0.370	4.210	1.900	1.640	9.350	2.120	1.220	9.730	3.960	51.870
Thomaston	.....	.....	.....	.....	.....	1.170	2.970	6.800	0.061	0.170	10.490	3.650	.....
Whitemarsh Island	7.200	0.990	4.400	1.340	2.670	3.090	6.840	6.680	0.650	2.080	1.530	1.270	.....
FLORIDA—													
Atsena	3.625	4.125	2.375	1.062	0.625	2.250	12.100	3.375	0.875	?0.062	2.875	1.063	?34.412
Gainesville	.....	.....	.....	.....	.....	6.390	6.090	3.560	2.910	1.280	3.240	2.365	.....
Jacksonville	5.900	3.050	5.750	1.330	4.050	4.425	10.850	7.250	1.100	2.200	3.485	2.925	52.315
St. Augustine	.....	.....	.....	.....	4.800	1.250	2.600	3.700	0.000	6.975	2.400	1.400	.....
Salt Ponds	4.930	3.360	1.400	0.210	2.550	2.020	7.590	3.510	4.150	5.020	0.430	0.280	35.450
Warrington	?5.250	?4.750	?6.500	.....	?7.000	?15.500	?14.600	8.600	1.350	?2.800	7.530	5.850	.....
ALABAMA—													
Auburn	5.530	1.900	6.830	0.875	0.830	6.470	2.380	?	0.580	?0.461	10.930	4.000	.....
Carlowville	.....	.....	.....	.....	.....	9.140	1.390	4.850	1.100	0.300	15.690	6.280	.....
Greene Springs	2.910	2.650	.....	4.410	6.120	6.940	1.195	.....	?2.250	4.500	9.520	4.680	.....
Greensborough	.....	.....	.....	.....	.....	6.410	2.139	3.127	.....	0.363	14.202	6.385	.....
MISSISSIPPI—													
Columbus	3.760	4.460	3.850	6.348	5.030	4.560	1.843	2.195	4.912	0.518	11.076	.....	.....
Natchez	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.710	.....
Oxford	?2.391	4.737	1.865	6.418	1.705	5.633	.....	.....	.....	.....	.....	.....	.....
Port Gibson	2.620	7.050	.....	.....	.....	.....	.....	.....	4.350	1.883	5.780	.....	.....
LOUISIANA—													
Black River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?6.633	.....
St. Francisville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.000	.....
TEXAS—													
Austin	.....	.....	1.396	1.210	2.811	0.617	0.412	1.563	2.670	1.883	2.016	0.217	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1856.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
TEXAS—Continued.													
New Braunfels	.....	.....	1.670	4.900	? 4.000	? 0.200	? 1.000	? 0.200	4.450	? 4.600	? 1.600	.....	.....
New Wied	4.400	1.870	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TENNESSEE—													
Glenwood	1.381	2.897	1.640	4.176	6.299	1.234	1.857	3.952	0.716	2.430	6.238	6.680	39.500
Knoxville	.....	.....	1.690	.....	.....	.....	.....	.....	2.100	2.620	.....	.....	.....
Walnut Grove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.840	3.460	.....
KENTUCKY—													
Ballardsville	.....	.....	.....	.....	.....	.....	3.850	4.350	1.310	2.047	4.982	4.377	.....
Danville	1.761	2.065	1.049	1.889	.....	2.954	3.245	.....	.....	.....	3.298	4.729	.....
Millersburg	.....	.....	.....	.....	.....	.....	0.790	4.910	.....	? 1.550	3.770	.....	.....
Paris	2.500	1.845	? 1.000	1.912	2.067	3.440	2.530	3.230	0.920	1.982	3.708	3.760	? 28.864
Springdale	1.140	2.330	0.990	1.700	3.010	2.060	1.570	5.150	1.850	1.620	4.560	4.930	30.910
OHIO—													
Bellefontaine	? 0.875	? 2.717	0.492	.....	1.619	6.640	1.710	2.210	.....	.....	.....	.....	.....
Cheviot	.....	2.790	0.760	1.240	3.060	2.070	? 3.910	1.690	3.220	?	.....	.....	.....
Cincinnati, [Harper]	1.110	? 3.000	1.510	0.725	1.230	4.240	3.432	0.610	3 619	1.740	2.085	2.185	? 25.486
Cleveland	1.250	1 140	0.620	1.350	3.450	2.550	2.260	1.890	2.880	? 2.420	2.540	? 3.740	? 26.090
College Hill	1.588	2.340	0.665	.....	.....	.....	.....	.....	.....	1.218	3.118	3.580	.....
Collingwood	.....	.....	.....	.....	.....	2.540	0.750	1.900	2.000	1.450	2.900	1.300	.....
Dayton, [Fisher]	.....	.....	.....	1.088	2.644	2.332	3.160	? 1.714	2.090	0 702	.....	.....	.....
Gallipolis	2.002	1.780	1.176	1.217	2.092	.....	.....	.....	.....	.....	.....	.....	.....
Germantown, [Groneweg]	0.987	1.626	0.721	0.878	1.945	1.809	4.110	0.762	3.261	1.351	3.573	3.128	24.151
Germantown, [Binkerd]	.....	.....	.....	.....	1.496	1.769	4.718	0.942	.....	1.638	3.207	2.822	.....
Granville	1.390	1.500	0.710	1.650	3.250	5.400	2.230	3.120	0.448	0.500	2.490	2.945	25.633
Hillsborough	.....	.....	? 0.575	.....	1.227	3.020	3.178	1.472	1.446	1.747	3.395	2 985	.....
Hiram	3.690	1.475	0.800	1.090	3.580	3.780	1.260	1.930	4.370	0.600	1.700	? 6.250	? 30.465
Jefferson	.....	.....	1.550	5.600	3.060	4.230	2.800	3.470	1.140	4.210	5.040	5.180	.....
Madison	.....	.....	.....	.....	.....	.....	.....	.....	1.252	4 031	4.750	.....	.....
Oberlin	0.920	0.960	0.350	0.970	4.140	3.070	1.150	2.210	3.700	1.410	2.140	.....	.....
Perrysburg	.....	1.000	1.000	.....	2.375	.....	.....	.....	? 2.250	.....	.....	.....	.....
Portsmouth	? 1.900	1.770	1.070	0.750	.....	2.710	.....	.....	1.060	1.780	3.270	.....	.....
Savannah	2.045	2.825	0.880	1.725	7.195	1.825	2.430	1.503	2.213	1.150	1.525	3.538	28.854
Scioto	.....	.....	.....	.....	1.980	.....	.....	.....	.....	.....	.....	.....	.....
Sidney	.....	.....	.....	.....	.....	.....	.....	.....	2.720	1.290	3.310	.....	.....
Unionville	3.125	.....	1.016	3.031	3.875	4.500	2.375	2.252	.....	.....	.....	.....	.....
Urbana	1.020	1.900	1.090	1.900	3.840	3.230	3.890	2.370	2.910	2.080	3.600	3.020	30.850
West Bedford	.....	.....	.....	.....	.....	.....	.....	.....	1.760	1.990	2.630	2.570	.....
Zanesville, [Holston]	.....	.....	1.584	1.795	3.866	5.225	.....	.....	.....	.....	.....	.....	.....
MICHIGAN—													
Ann Arbor, [Woodruff]	.....	1.014	1.442	.....	2.489	3.189	4.402	1.392	.....	.....	.....	.....	.....
Battle Creek	0.610	0.700	? 1.080	0.740	.....	1.050	2.780	0.580	1.350	1.530	2.980	2.540	.....
Cooper	? 1.200	? 2.100	? 0.950	? 1.125	? 8.750	? 4.812	? 1.850	? 2.400	? 3.225	? 3.387	? 1.900	? 1.952	? 33.651
Copper Falls Mines	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 4.295	? 5.325	.....
Detroit	.....	.....	0.622	1.378	4.787	14.856	3.568	0.953	3.903	2.487	4.428	.....	.....
Eagle River	.....	.....	.....	.....	.....	.....	1.740	? 2.000	? 3.400	? 1.600	? 2.200	.....	.....
Grand Rapids	? 1.150	? 0.200	.....	3.520	3.900	2.350	2.680	1.000	4 750	? 3.130	4.850	.....	.....
Holland	.....	.....	.....	.....	.....	1.470	2.120	1.670	4.130	.....	.....	.....	.....
Monroe	.....	.....	.....	.....	2.510	.....	1.634	? 1.520	?	?	1.220	.....	.....
Newark	.....	.....	.....	2.465	.....	.....	.....	.....	.....	.....	.....	.....	.....
Romeo	1.037	0.495	0.893	1.973	2.250	4.530	0.001	? 1.415	1.235	0.985	3.240	3.315	21.369
St. James	.....	.....	.....	.....	2.812	.....	.....	.....	.....	.....	.....	.....	.....
Saugatuck	2.200	2.500	0.913	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANA—													
New Albany	.....	.....	.....	0.956	2.048	1.570	.....	.....	.....	.....	.....	.....	.....
New Harmony	0.800	0.770	0.580	0.570	3.560	2.830	1.810	4.740	0.710	0.980	2.760	? 3.070	23 180
Richmond	.....	.....	.....	0.892	3.440	.....	2.580	1.135	.....	2.058	3.190	3.435	.....
ILLINOIS—													
Athens	0.950	1.530	0.450	1.480	3.080	1.160	1.510	2.120	1.840	1.560	4.360	5.080	25.120
Augusta	.....	.....	0.247	3.131	8.614	1.096	5.986	1.533	1.265	4.521	4.966	6.063	.....
Brighton	? 1.500	.....	.....	.....	.....	? 6.560	2.640	? 5.800	? 8.500	3.510	1.780	0.800	.....
Chicago	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.976	3.860	.....
Manchester	1.104	4.690	1.546	1.226	4.320	1.930	2.111	2.112	1.106	2 460	3.427	4 980	31.012
Marengo	.....	.....	.....	? 3 100	? 3.800	? 5.700	? 4 100	? 3.000	? 6.500	3 500	2.850	4.610	.....
Ottawa	.....	.....	? 0.141	1.365	6.197	2.114	2.714	1.536	2.378	2.856	3.643	? 4.840	.....
Peoria	0.656	1.718	0.500	0.562	3.593	2.125	2.531	1.531	0.718	2.937	4.031	7.000	27.902
Riley	.....	.....	.....	.....	4.250	2.745	1.590	3.290	4.460	1.960	3.340	3.040	.....
Upper Alton	0.600	2.160	.....	3.485	2.320	0.600	2.080	3.748	.....	...	3.460	? 2.059	.....
Warsaw	.....	.....	.....	.....	? 5.281	.....	7.812	1.610	2.330	5.250	4.000	4.970	.....
West Salem	.....	2.300	0.650	1.050	2.930	1.870	6.930	4.860	0.860	1.070	3.610	2.950	.....
MISSOURI—													
Cape Girardeau	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.602	4.830	2.930	.....
Palmyra	.....	.....	.....	.....	.....	1.009	5.200	1.999	2.370	1.020	4.185	5.660	.....
St. Louis	1.030	3.610	1.060	6.350	3.030	1.240	4.610	6.820	3 510	2.100	4.900	4.290	42.580
WISCONSIN—													
Appleton	0.326	0.076	? 0.232	2.858	3.037	2.677	2.428	1.225	1.823	2.312	2.450	3.906	? 23.350
Bay City	.....	.....	.....	.....	.....	.....	5.700	3.600	6.500	.....	.....	.....	.....
Beloit	0.600	0.395	0 550	4.040	3.920	2.545	2 105	2.920	2.610	2.090	2.975	3.180	27.880
Janesville	0.560	0.110	0.000	2.300	3.950	3.200	1.380	? 0.550	2.900	1.710	2 200	3.250	22.050
Madison	.....	.....	.....	2.500	.....	3.250	2.800	1.580	.....	.....	4.920	.....	.....
Milwaukee, [Winkler]	2.000	1.000	0.150	3.100	3.040	4.030	2.265	0 910	2.700	2.480	4.420	2.830	29.025
Norway	.....	.....	0.500	4.750	5.250	7 750	3.100	2.350	4.600	1.460	6.700	6.570	.....
Platteville	.....	.....	0.420	2.208	3.100	5.339	1.597	1.215	4.900	2.922	2.780	? 4.723	.....
Superior	.....	.....	.....	.....	.....	.....	3.439	2.478	3.370	5.310	.....	.....	.....
Waukesha	.....	.....	0.400	2.528	2.390	.....	0.931	1.861	2.194	1.833	2.902	.....	.....
IOWA—													
Bellevue	? 0.700	? 0.800	? 0.410	2.690	3.300	2.350	2.310	1.020	2.830	4.920	.....	6.180	.....
Border Plains	.....	.....	.....	.....	.....	.....	2.986	3.187	2.780	? 4.125	1.187	1.313	.....
Dubuque	0.440	0.520	? 0.710	2.180	3.400	1.800	.....	.....	.....	.....	.....	.....	.....
Fort Madison	2.500	1.520	? 4.300	4.360	3.850	0.590	5 970	1.560	3.200	5.100	4.200	? 6.705	? 43.855
Muscatine	? 1.200	4.310	? 0.610	3.440	4.390	2.680	2.740	1.360	2.450	5.210	4.350	? 6.150	? 38.920

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1856.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
Iowa—Continued.													
Pleasant Plain	? 0.710	0.690	? 3.500	? 4.000	? 2.600	? 2.200	? 6.100	? 1.000	? 3.100	?13.400	? 4.310	? 2.110	? 43.720
Poultney	0.675	0.125	0.350	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Minnesota—													
Hazlewood	.....	.....	.....	.....	? 4.250	2.760	2.710	? 2.700	?	? 2.600	? 1.880	.....	.....
Princeton	2.350	.....	.....	.....	.....	.....	.....	.....	.....	2.720	0.920	.....	.....
Red Wing	.....	.....	.....	4.771	.....	.....	.....	.....	.....	.....	.....	.....	.....
California—													
Sacramento	4.919	0.692	1.403	0.521	1.841	0.033	0.000	0.000	0.001	0 195	0.652	2.396	12.653
San Francisco	4.631	0.320	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stockton	4.150	0.300	? 0.790	1.860	1.900	0.000	0.100	.....	.....	.....	.....	.....	.....
Mexico—													
Mexico city	0.001	.....	0.200	0.550	1.350	7.660	1.240	0.410	3.920	1.360	1.270	.....	.....
Vera Cruz	.....	.....	.....	.....	.....	.....	.....	.....	21.920	?16.220	5.300	0.120	.....
West Indies—													
Port of Spain, Trinidad	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.280	12.920	6.180	.....
South America—													
Catharina Sophia	.....	0.950	0.000	8.250	10 350	4.550	11.200	2.500	1.400	2.200	8.100	4.900	.....
Azores—													
Fayal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.250	.....

No. 51.—BAROMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.		MEAN.				MAXIMA.		MINIMA.		Range for the year.
		7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Height.	Date.	Height.	
British America	Montreal	29.84	29.80	29.81	29.82	Dec. 19	30.86	Dec. 3	29.07	1.79
	St. Martin	29.74	29.70	29.73	29.72	Dec. 18	30.74	Dec. 14	28.72	2.02
	Toronto(*a*)	29.61	29.58	29.61	29.60	Dec. 18	30.44	Dec. 3	28.74	1.70
Maine	Gardiner	29.74	29.71	29.72	29.72	Dec. —	30.52	Feb. —	28.71	------
	Steuben	29.84	29.80	29.82	29.82	Jan. 2	30.68	Feb. 17	28.55	2.13
New Hampshire	Concord	29.61	29.56	29.57	29.58	Dec. 19	30.38	Feb. 17	28.67	1.71
Massachusetts	Amherst	29.71	29.67	29.70	29.69	Dec. 19	30.56	Dec. 3	28.77	1.79
	Nantucket	29.94	29.91	29.93	29.93	Dec. 19	30.70	Feb. 17	29.03	1.67
	New Bedford	29.85	29.82	29.84	29.84	Dec. 19	30.63	Feb 17	28.97	1.66
	Newburyport	29.91	29.88	29.91	29.90	Dec. 19	30.75	Feb. 17	28.93	1.82
	North Attleborough	29.76	29.72	29.76	29.75	Dec. 19	30.56	Dec. 3	28.89	1.67
	Princeton	28.78	28.74	28.76	28.76	Dec. 19	29.48	Dec. 14	27.76	1.72
	Westfield	30.04	30.03	30.05	30.04	Dec. 19	30.66	Dec. 3	29.20	1.46
	Williamstown	29.23	29.20	29.23	29.22	Jan. 5	29.77	Dec. 14	28.18	1.99
	Worcester	29.42	29.39	29.41	29.41	Nov. 7	30.22	Feb. 17	28.58	1.64
Rhode Island	Providence	29.73	29.71	29.73	29.72	Dec. 19	30.55	Dec. 3	28.85	1.70
Connecticut	Pomfret	29.01	28.99	28.99	29.00	Dec. 19	30.06	Mar. 2	28.16	1.90
New York	Blackwell's Island	29.98	29.95	29.97	29.97	Dec. 19	30.62	Dec. 14	29.16	1.46
	Flatbush	29.84	29.80	29.82	29.82	Dec. 19	30.66	Dec. 3	28.92	1.74
	New York city	29.94	29.91	29.92	29.92	Dec. 19	30.78	Dec. 3	29.05	1.73
	Oswego	29.25	29.23	29.24	29.24	Dec. 18	30.11	Dec. 14	28.20	1.91
	Ovid	28.86	28.83	28.85	28.85	Dec. 18	29.63	Feb. 16	28.11	1.52
	Penn Yan (*b*)	29.20	29.19	29.20	29.20	Dec. 18	29.92	Dec. 14	28.33	1.59
	Rochester, [Pratt]	29.43	29.40	29.43	29.42	Dec. 18	30.08	Dec. 14	28.48	1.60
	Spencertown	29.32	29.28	29.30	29.30	Dec. 19	30.05	Dec. 24	28.34	1.71
New Jersey	Bloomfield	29.81	29.78	29.81	29.80	Dec. 19	30.59	Feb. 12	29.07	1.52
	Burlington (*c*)	29.85	29.82	29.83	29.83	Dec. 19	30.64	Dec. 3	29.07	1.57
	Lambertville	------	------	------	30.01	Dec. 18	30 69	Dec. 14	29.05	1.64
	Newark (*d*)	29.90	------	29.87	29.88	Dec. 19	30.72	Dec. 14	29.10	1.62
Pennsylvania	Carlisle	29.20	29.15	29.17	29.17	Dec. 18	29.90	Dec. 14	28.31	1.59
	Chromedale	29.85	29.80	29.82	29.82	Dec. 19	30.62	Dec. 14	29.02	1.62
	Gettysburg	29.44	29.39	29.41	29.41	Dec. 18	30.11	Dec. 14	28.56	1.58
	Harrisburg	29.74	29.71	29.72	29.72	Dec. 18	30.51	Dec. 3	28.93	1.58
	Morrisville (*e*)	30.07	30.04	30.05	30.05	Dec. 19	30.89	Dec. 3	29.17	1.72
	Norristown	29.77	29.74	29.75	29.75	Dec. 19	30.67	Dec. 3	28.84	1.83
	Pittsburg	28.94	28.91	28.93	28.93	Jan. 31	29.93	Dec. 3	28.13	1.80
Maryland	Frederick	29.71	29.66	29.69	29.69	Dec. 18	30.47	Dec. 14	28.81	1.66
Dist. of Columbia	Washington	30.04	29.99	39.02	30.02	Dec. 19	30.79	Dec. 14	29.14	1.65
Virginia	Alexandria	30.02	29.97	30.00	30.00	Dec. 19	30.76	Dec. 14	29.10	1.66
North Carolina	Chapel Hill	29.46	29.43	29.44	29.44	Dec. 19	30.01	Nov. 29	28.81	1.20
South Carolina	All Saints	29.99	29.96	29.98	29.98	Feb. 6 Dec. 19	30.51	Feb. 16	29.42	1.09
	Camden	29.90	29.85	29.88	29.88	Dec. 19	30.45	Feb. 16 Mar. 2	29.39	1.06
	Charleston, [Dawson]	------	------	------	------	Dec. ---	30.58	Jan. Feb.	29.66	0.92
	St. John's (*f*)	30.10	30.13	30.12	30.12	Mar. 4	30.60	Jan. 12	29.55	0.57
Georgia	Savannah	30.05	30.01	30.04	30.03	Feb. 6	30.52	Jan. 20	29.55	0.97
	Sparta	29.40	29.37	29.38	29.38	Feb. 6	29.82	Feb. 16	28.95	0.87
	Thomaston	29.35	29.32	29.33	29.33	Dec. 15	29.69	Aug. 31	28.69	1.00
Florida	Atsena	29.93	29.92	29.93	29.93	Mar. 13 Ap. 13,27	30.30	May 20	29.46	0.84
	Jacksonville	30.13	30.07	30.10	30.10	Feb. 5	30.53	Feb. 21	29.57	0.96
	Salt Ponds (*e*)	29.69	29.74	------	29.71	Feb. 5	30.00	Aug. 28	29.33	0.67
	Warrington (*g*)	30.03	30.02	30.00	30.02	Feb. 5	30.47	Aug. 31	29.53	0.94
Alabama	Auburn	29.37	29.32	29.35	29.35	Dec. 17	29.71	Feb. 16	28.90	0.81
Tennessee	Glenwood	29.58	29.51	29.55	29.56	Jan. 10	30.10	Dec. 2	28.87	1.23
Kentucky	Ballardsville	29.09	29.06	29.08	29.08	Jan. 4	29.53	Dec. 2	28.33	0.63
	Paris	29.19	29.15	29.16	29.17	Jan. 4	29.68	Dec. 2	28.42	1.26
	Springdale	29.45	29.42	29.42	29.43	Jan. 4	29.98	Dec. 2	28.65	1.33

a Observations taken at 6 a. m., 2 p. m., and 10 p. m.
b Observations taken at sunrise, 2 p. m., and sunset.
c Observations in January not corrected for temperature.
d Observations taken at 7 a. m. and 6 p. m.
e Not corrected for temperature.
f Observations taken at sunrise, 2 p. m., and 9 p. m.
g Hours of observation not uniform throughout the year. See month tables.

No. 51.—BAROMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.		MEAN.				MAXIMA.		MINIMA.		Range for the year.
		7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Height.	Date.	Height.	
Ohio	Cincinnati, [Harper].	29.49	29.45	29.45	29.46	Jan. 10	30.03	Dec. 2	28.72	1.31
	Germant'n,[Groneweg]	29.24	29.19	29.21	29.21	Jan. 4 Dec. 18	29.77	Dec. 2	28.39	1.38
	Granville	28.97	28.94	28.96	28.96	Jan. 13	29.68	Dec. 14	28.17	1.51
	Hillsborough	28.87	28.84	28.85	28.85	Jan. 4	29.37	Dec. 2	28.08	1.29
	Urbana	28.76	28.74	28.76	28.75	Jan. 25	29.29	Dec. 2	27.95	1.34
Michigan	Romeo	29.02	29.01	29.03	29.02	Jan. 25	29.65	Dec. 14	28.02	1.63
Indiana	New Harmony	29.69	29.64	29.66	29.66	Jan. 10	30.22	Dec. 2	28.80	1.42
Illinois	Manchester (*a*)	28.80	28.76	28.76	28.77	Jan. 10	29.40	Dec. 2	28.11	1.29
Missouri	St. Louis	29.55	29.51	29.53	29.53	Dec. 6	30.30	Dec. 2	28.66	1.64
Wisconsin	Appleton	29.01	28.99	28.99	29.00	Jan. 25	29.68	Feb. 1	28.16	1.52
	Beloit	29.19	29.16	29.19	29.18	Jan. 25	29.80	Nov. 21	28.21	1.59
	Manitowoc (*a*)	------	------	------	29.71	Dec. ---	30.33	Dec. ---	28.83	1.50
	Milwaukee, [Winkler].	29.28	29.26	29.27	29.27	Mar. 9	29.96	Dec. 3	28.31	1.65
	Superior	29.31	29.28	29.29	29.29	Jan. 25	30.11	Nov. 1	28.42	1.69
Iowa	Muscatine	29.48	29.45	29.46	29.46	Jan. 25	30.04	April 15	28.85	1.19
California	Sacramento	29.98	29.95	29.95	29.96	Dec. 19	30.62	Sept. 19	29.57	1.05

a Observations taken at 7 a.m., 1 p.m., and 9 p.m.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.
	7 a. m	2 p. m.	9 p. m.	Mean.	WARMEST DAY.		HIGHEST DEG.		COLDEST DAY.		LOWEST DEGREE.		
					Date.	M'n temp	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	
	°	°	°	°		°		°		°		°	°
BRITISH AMERICA—													
Montreal	39.62	48.49	42.10	43.40	July 26	86.03	July 26	92	Dec. 18	—12.00	Feb. 13	—19	111
St. Martin	34.77	48.77	37.41	40.32	July 26	82.90	July 25	97	Dec. 18	—16.30	Dec. 18	—24	121
Toronto (*a*)	37.95	47.57	40.83	42.12	July 17	81.77	July 17	92	Feb. 13	— 6.88	Feb. 13	—18.7	110.7
MAINE—													
Gardiner	39.17	50.99	41.65	43.91	July 27	84.00	July 27	94	Dec. 18	— 5.33	Jan. 10	—16	110
Perry	36.21	46.17	38.81	40.40	July 25	73.50	July 25	86	Dec. 18	— 4.00	Dec. 18	— 9	95
Portland	40 09	51.93	42.12	44.71	July 27	86.67	July 27	98	Dec. 18	— 4.00	Dec. 18	—10	108
Steuben	37.54	46.51	39.07	41.04	July 25	82.00	July 25	93	Dec. 18	— 7.67	Dec. 18	—13	106
NEW HAMPSHIRE—													
Concord	38.70	51.95	44.77	45.14	July 27	84.00	June 29 & July 27.	93	Dec. 19	— 7.33	Jan. 7 and Mar. 10.	—14	107
Stratford	35.21	47.54	37.46	40.04	July 26	79.00	June 29	97	Dec. 18	—17.00	Dec. 19	—27	124
VERMONT—													
Brandon	36.85	48.98	40.30	42.01	June 29	80.50	July 26	91	Dec. 18	—10.16	Jan. 5	—22	113
Burlington	38.47	51.34	41.78	42.76	June 29	86.67	Aug. 2	97	Dec. 18	—13.33	Dec. 19	—18	115
MASSACHUSETTS—													
Amherst	39.02	52.07	43 17	44.75	June 29	84.80	July 18	95	Jan. 9	— 5.80	Jan. 9 and Feb. 14.	—11	106
Lawrence (*b*)	38.31	.....	.....	.....	.....	.....	June	81	.....	.....	December .	—10	91
Mendon	40.69	51.78	43.56	45.34	June 29	85.00	June 29 & July 17.	93	Jan. 9	— 6.67	Jan. 9	— 9	102
Nantucket	47.68	53.51	47.09	49.43	July 23	80.27	July 28	88	Dec. 18	7.23	Dec. 18	4	84
New Bedford	.....	.....	.....	46.79	June 22	82.50	.....	.....	Jan. 9	— 2.33	Jan. 9	— 5	.....
Newburyport	40.06	51.07	42.58	44.57	June 29	84.67	June 29 & July 18.	95	Dec. 18	— 6.27	Jan. 9	—10	105
North Attleborough	41.34	52.31	42.65	45.43	June 20	85.90	June 29	94	Jan. 9	— 1.20	Jan. 9	— 6.9	100 9
Princeton	38.65	47.49	40.70	42.28	June 29	80.50	July 27	89	Jan. 9	— 7.90	Jan. 9	—13	102
Richmond	37.05	52.75	43.78	44.53	July 19	81.00	July 26	95	Jan. 9	— 8.67	Jan. 9, Feb. 13, Dec. 18.	—12	107
Westfield	38.84	52.07	43.55	44.82	June 29	83 33	July 18	95	Jan. 9	— 6.33	Jan. 9	—11	106
Williamstown	38.29	48.86	41.29	42.81	June 29	81.30	June 29	88.5	Dec. 19	— 8.77	Dec. 19	—11	99.5
Worcester	41.56	51.96	44.80	46.11	July 27	85.00	July 27	93	Jan. 9	— 5.33	Jan 9 and Feb. 14.	— 8	101
RHODE ISLAND—													
Providence	41.46	54.10	43.71	46.42	June 30	84.00	June 29	95	Jan. 9	— 5.00	Jan. 9	— 8	103
CONNECTICUT—													
New London	43.15	54.29	41.78	47.41	June 21 & July 28.	83.33	July 28	96	Jan. 9	0.00	Jan. 9	— 4	100
Pomfret	40.68	50.82	42.58	44.69	July 18	82.67	July 18	91	Jan. 9	— 7.00	Jan. 9	—10	101
Saybrook	44.32	52.44	46.87	47.88	July 27	82.00	July 27	88	Jan. 9	— 0.67	Jan. 9	— 4	92
NEW YORK—													
Angelica	36.53	52.08	39.92	42 88	June 30	85.67	June 22	96	Feb. 13	—13.33	Feb. 14	—40	136
Baldwinsville	39.11	48.72	43.32	40.38	June 29	80.00	June 29	89	Jan. 9	— 4.33	Dec. 18	— 8	97
Beverly	42.97	52.24	46.31	43.85	June 29	87.00	June 30 & July 27.	91	Jan. 9	— 3.00	Jan. 9	— 8	99
Blackwell's Island	46.06	54.00	49.57	49.88	July 18	88.00	July 18	94	Jan. 9	0.00	Jan. 9	— 4	98
Flatbush	41.39	54.84	46.53	48.59	July 18	86.17	July 18,27	96	Jan. 9	— 0.76	Jan. 9	— 3	99
New York city	46.74	55.18	49.36	50.43	July 18	83.43	July 27	95	Jan. 9	— 0.73	Jan. 9	— 4	99
Oswego	40.16	48.99	42.14	43.76	Aug. 2	82.67	June 29 & July 17.	92	Dec. 18	— 2.67	Dec. 18	—11	103
Ovid	41.58	50.12	42.96	44.89	July 17,26	83.00	Aug. 2	96	Jan. 9	— 4.67	Jan. 9	— 9	105
Penn Yan (*c*)	37.37	52.44	45.33	45.05	June 29	84.00	July 25	95	Jan. 9	— 3.00	Mar. 10	—12	107
Rochester, [Harkness].	43.96	50.74	44.62	46.44	July.....	94.00	.....	.....	Jan	— 8.00	.....	.....	.....
Rochester, [Pratt].	41.61	51.18	44.62	45.80	July 17	85.67	July 17	96	Jan. 9	— 4.00	Jan. 9	— 6	102
Spencertown	38.87	50.41	41.24	43.18	June 29	84 00	July 18	93	Jan. 9	—14.33	Jan. 9	—22	115
Wampsville	40.63	53.44	41.90	45.32	June 29	85.67	June 29 & July 17.	91	Dec. 18	— 7.67	Feb. 13	—15	109
Waterford (*d*)	40.27	51.45	43.40	45.04	.....	.....	July	97	.....	.....	December .	—12	109
Watertown	39.16	52.88	40.00	44.01	July 17	80.00	June 29	92	Dec. 19	—15.33	Feb. 13	—27	119
NEW JERSEY—													
Bloomfield	43.06	56.95	46.25	48.75	July 18	86.33	July 26	102	Jan. 9	— 6.00	Jan. 9	— 9	111
Burlington	45.62	58.24	48.63	50.83	June 28	29.33	June 29	99	Jan. 9	— 3.00	Jan. 9	— 5	104
Lambertville	42.54	59.04	46.21	49.26	.....	.....	July 18	101.5	.....	.....	Jan. 9	—10	111.5
Newark (*e*)	.....	.....	.....	48.12	July 18	86.37	July 27	97	Jan. 9	— 1.13	Jan. 9	— 7	104
PENNSYLVANIA—													
Bedford	41.86	56.35	47.93	48.71	July 18	87.67	July 17	95	Jan. 9	— 6.00	Feb. 14	—17	112
Carlisle	43.43	55.32	47.30	48.68	July 18	86.67	July 18	94	Jan. 9	— 6.17	Jan. 9	—12	106
Chromedale	45.21	56.45	46.81	49.49	June 29	87.70	June 29	95	Jan. 9	— 7.20	Jan. 9	—11	106
Easton	41.99	59.18	45.99	49.05	June 29	88.00	July 26	102	Jan. 9	— 5.67	Jan. 9	—12	114
Gettysburg	41.87	65.40	46.84	51.37	July 18	89.33	June 18	98	Jan. 9	— 5.43	Jan. 9	—16	114
Harrisburg	47.04	58.46	51.38	52.29	June 30	90.00	July 18	97	Feb. 2,13	9.00	Feb. 14	2	95
Lewisburg (*f*)	40.74	51.74	45.05	46.84	June 29	87.77	July 17,30	94	Jan. 9	— 7.77	Feb. 14	—21	115
Meadville (*g*)	39.54	51.04	40.85	44.81	June 28	83.00	June 28	95	Feb. 13	—13.00	Feb. 14	—27	122
Morrisville	43.79	57.43	46.83	49.35	June 29	81.33	July 27	96	Jan. 9	— 1.33	Jan. 9	— 6	102
Nazareth	42.52	56.27	43.28	47.36	July 30	88.67	July 30	99	Jan. 9	— 7.92	Jan. 9	—16	115
Norristown	44.64	55.68	48.68	49.67	July 18	87.00	July 18	97	Jan. 9	— 2.67	Jan. 9	— 6	103
North Whitehall (*h*)	39.55	55.06	48.77	44.46	June 30	84.33	July 17,18	91	Jan. 9	— 4.67	January . .	—14	108
Paradise	.....	.....	.....	51.58	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pittsburg	42.78	54.06	45.82	47.55	June 29	83.00	July 17	96	Feb. 3	— 1.67	Feb. 4	—15	111
Pocopson	44.54	58.33	47.50	50.12	June 29	91.00	June 29 & July 18.	100	Jan. 9	— 7.00	Jan. 9	—11	111
Shamokin	.....	.....	.....	.....	.....	.....	July 30	104	.....	.....	Feb. 14	—25	129
West Haverford	45.23	58.62	.....	51.92	June 29	89.50	July 18	100	Jan. 9	— 1.50	Jan. 9	— 5	105

a Observations taken at 6 a. m., 2 p. m., and 10 p. m.
b Observations taken at 6 a. m.
c Observations taken at sunrise, 2 p. m., and sunset.
d Mean at 6 p. m., 47°.66.
e Register thermometer used.
f Observations, in January, taken at 7 a. m., 2 p. m., and 7 p. m., and, in February and March, at 6 a. m., 2 p. m., and 10 p. m.
g Observations interrupted from the 13th to the 31st of July.
h Observations taken at sunrise, noon, and sunset.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.
					WARMEST DAY.		HIGHEST DEG.		COLDEST DAY.		LOWEST DEGREE.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	
MARYLAND—	°	°	°	°		°		°		°		°	°
Annap's, [Goodman](a)	.....	.....	.....	51.28	....	.....	July 18	97.5	.....	.....	Jan. 9	— 6	103.5
Bladensburg (b).....	44.44	60.11	47.11	50.55	June 30	88.33	July 18	102	Jan. 9	— 2.50	Jan. 7	— 5	107
Frederick	46.68	57.38	49.45	51.17	July 18	90.27	July 18	97	Jan. 9	0.50	Jan. 9	— 8	105
Sykesville	43.19	57.17	47.35	49.24	June 29	85.67	June 22	93	Jan. 9	— 7.00	Jan. 9	—20	113
DIST. OF COLUMBIA—													
Washington	46.17	59.22	50.88	52.09	July 18	88.00	July 18	98	Jan. 9	0.16	Jan. 9	— 4	102
VIRGINIA—													
Alexandria	47.99	59.42	51 18	52.86	June 29	88 67	June 29, 30	95	Jan. 9	— 0.17	Jan. 9	— 4	99
Crichton's Store (c)...	52.05	63.57	62.60	59.41	July 30	95.33	July 30	103	Feb. 4	14.67	Jan. 10	8	95
Garysville (d).....	.....	.....	.....	51.44	July 30	89.33	July 30	98	Jan. 10	7.33	Jan. 10	— 6	104
Kanawha (c)	44.67	59.91	55.83	53.47	July 17	87.25	July 30	96	Jan. 9	4.00	Jan. 24	— 2	98
Lewisburg.....	43.60	60.57	47.53	50.57	June 30	82.00	June 30	96	Jan.9, 10	4.00	Jan. 10	— 8	104
Rougement (c).....	.....	.....	.....	54.98	July 15	93.60	July 30	102	Jan. 10	— 8.00	Jan. 10	—15	117
Smithfield (e).....	.....	.....	.....	54.59	June 30	87.60	July 27	96	Jan. 9	6.50	Jan. 9	— 2	98
NORTH CAROLINA—													
Chapel Hill.....	50.90	66.53	55.46	57.63	July 30	92.67	July 30	105	Feb. 4	11.67	Feb. 4	5	100
SOUTH CAROLINA—													
All Saints	58.30	67.59	60.86	62.25	July 18, 31	85.67	July 18, 19	91	Dec. 23	23.67	Dec. 23	19	82
Camden	54.12	69.08	57.74	60.31	July 30	89.33	July 29, 30	98	Dec. 23	19.33	Feb. 5	6	92
Charleston, [Dawson].	59.93	70.40	62.85	64.39	.....	.....	July.....	98	.....	.....	Dec	18	80
St. John's	54.86	68.15	59.50	60.84	July 29	84.33	July 31	94	Dec. 23	22.50	Jan. 23	13	81
GEORGIA—													
Savannah	59.10	72.26	63.14	64.83	June 24	88.83	June 24	100	Dec. 23	26.20	Dec. 24	19	81
Sparta	53.94	70.36	59.28	61.19	June 27, 28	87.33	June and July 27.	99	Feb. 4	18.00	Feb. 5	9	90
Whitemarsh Island ...	59.12	69.61	63.08	63.90	June 24	86.33	July 31 & Aug. 24.	94	Jan. 22	27.67	Jan. 22 & Feb. 5.	22	72
Zebulon	58.29	68.46	63.50	63.42	July 31	91.33	June 26, 27, July 2, 31.	96	Feb. 4	16.00	Feb. 4	8	88
FLORIDA—													
Ascna (f).....	65.82	72.41	68.40	68.88	July 2	87.00	July 2 & Aug. 28.	90	Jan. 23	32.67	Dec. 24	28	62
Jacksonville	61.59	74.48	66.00	68.36	July 1 and Aug. 21.	87.33	Aug. 25	95	Dec. 23	32.33	Jan. 22 & Dec. 21.	24	71
Salt Ponds.....	72.92	78.76	.....	75.84	July 2 and Aug. 16.	84.50	May 11	89	Feb. 5	49.00	Feb. 5	45	44
Warrington (c).....	67.10	72.40	68.76	69.42	Aug. 25	93.00	Aug. 25	98	Feb. 4	25.67	Feb. 4	15	83
ALABAMA—													
Auburn	57.24	70.13	61.29	62.89	Aug. 24	91.00	June 27 & July 15, 16.	98	Feb. 4	17.00	Feb. 4	8	90
MISSISSIPPI—													
Columbus	53.87	68.48	59.13	60.49	Aug. 24	85.53	Aug. 10	97	Feb. 4	12.67	Feb. 4	4.5	92.5
TEXAS—													
Austin...	56.22	74.81	63.88	64.64	Aug. 6	91.67	Aug. 12	103	Feb. 3	22.33	Feb. 4	12	91
Pin Oak (g)	56.39	70.37	67.98	64.91	Aug. 11	87.67	Aug. 18	98	Feb. 3	23.33	Feb. 3	16	82
TENNESSEE—													
Glenwood	47.85	61.90	52.94	54.23	June 29	84.00	July 16	93	Feb. 3	2.53	Feb. 4	— 3	96
KENTUCKY—													
Ballardsville	47.21	58.90	52.21	52.77	July 17	89.00	Aug. 6	99	Jan. 9	— 8.67	Jan. 9, 10	—16	115
Paris	45.15	58.31	49.22	50.90	July 29	87.33	July 29	95	Jan. 10	— 8.00	Jan. 10	—15	110
Springdale.....	42.02	62.18	54.49	52.90	July 29	87.67	July 17	99	Jan. 9	— 8.50	Jan. 10	—22	121
OHIO—													
Cincinnati, [Harper] ..	47.61	62.12	51.80	53.85	July 17	96.33	July 17	101	Jan. 9	— 6.33	Jan. 9	—14	115
Cleveland	41.81	53.19	43.78	46.23	July 17	85.83	July 16, 17	92	Jan. 9	— 8.00	Jan. 9	—17.5	109.5
Germant'n,[Groneweg]	41.73	56.87	45.05	47.88	June 22	81.20	June 22	98	Jan. 9	—14.12	Jan. 9	—25	123
Granville	42.69	55.00	46.05	47.91	July 17	84.67	July 17	96	Jan. 9	—10.67	Jan. 9	—20	116
Hillsborough.....	43.45	55.25	47.56	50.09	July 17	84.00	July 17	92	Jan. 9	— 9.83	Jan. 9	—18	110
Hiram	42.25	52.18	43.33	45.92	July 17	86 33	July 17	97	Jan. 9	—16.00	Jan. 9	—25	122
Perrysburg (h)	44.87	55.96	46.59	49.14	July 17	92.00	July 17	99	Jan. 9	— 6.33	Jan. 9	—18	117
Savannah	40.61	54.72	41.85	45.73	July 17	87.00	June 22 & July 17.	98	Jan. 9	—11.00	Jan. 9	—22	120
Urbana	41.06	57.94	44.08	47.69	June 22	85.00	June 22	97	Jan. 9	—14.00	Jan. 9	—23	120
MICHIGAN—													
Copper Falls Mines (i).	.....	.....	.....	37.48	.....	.....	Aug	92	.....	.....	Jan'y and Feb'y.	—20	112
Grand Rapids, [Currier]	38.82	51.15	41.74	43.90	July 16	84.00	July 16	94	Jan. 8	— 8.67	Feb. 3	—24	118
Romeo	39.55	51.09	40.61	43.75	July 17	83.61	Aug. 2	93	Jan. 9	—14.33	Jan. 9	—22	115
INDIANA—													
New Harmony	47.42	60.93	51.45	53.27	July 29	90.00	July 29	98	Feb. 3	— 9.33	Feb. 4	—20	118
ILLINOIS—													
Athens	44.58	60.07	48.10	50.92	July 15	92.33	July 14, 15	103	Feb. 3	—14.33	Feb. 4	—25	128
Augusta	41.38	55.67	46.41	47.82	June 28	85.00	June 25	95	Jan. 8	—15.00	Feb. 3	—28	123
Manchester (j)	43.28	58.95	44.90	49.04	July 16	87.00	July 15	98	Jan. 9	—12.00	Jan. 9 and Feb. 3.	—25	123
Ottawa (k)	44.34	55.49	44.62	48.15	July 16	86.67	June 23, 24, & July 16.	96	Jan. 8	—10.67	Jan. 9	—18	114
Pekin (l)	.....	.....	.....	46.55	.....	.....	June and July.	95	.....	....	Jan'y and Feb'y.	—25	120
MISSOURI—													
St. Louis.....	47.81	60.50	51.91	53.42	July 17	92.67	July 17	101	Feb. 3	— 5.67	Feb. 3	—15	116

a Register thermometer used.
b Observations somewhat broken in most of the months.
c Hours of observations not uniform throughout the year. See monthly tables.
d Observations, in January, taken at sunrise, noon, and sunset; during the remainder of the year, at sunrise, 2 p. m., and sunset.
e Computed from daily maximum and minimum temperatures.
f Observations interrupted for the first twenty days of June.
g Observations taken at sunrise, noon, and sunset.
h Observations taken at 7 a. m., 1 p. m., and 9 p. m.
i Observations taken at 6 a. m., noon, and 6 p. m., for the first ten months.
j Observations taken at 7 a. m., 1 p. m., and 9 p. m.
k Observations taken at 8 a. m., 2 p. m., and 9 p. m., during the first four months of the year.
l Observations taken at sunrise and 1 p. m.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.
	7 a. m.	2 p. m.	9 p. m.	Mean.	WARMEST DAY.		HIGHEST DEG.		COLDEST DAY.		LOWEST DEGREE.		
					Date.	M'n temp	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	
	°	°	°	°		°		°		°		°	°
WISCONSIN—													
Appleton	36.81	50.66	40 47	42.65	July 16	84.67	July 16	94	Jan. 8	—21.67	Jan. 9	—25	119
Beloit	40.18	54.11	42.25	45.51	July 16	86.33	June 22 & July 24.	96	Jan. 8	—19.67	Jan. 9	—26	122
Janesville	36.73	52.35	41.09	33.39	July 16	81.67	June 23 & July 16.	96	Jan. 8	—22.00	Jan. 9	—29	125
Manitowoc (*a*)	.....	.....	.....	42.42	.....	.....	June	92	.....	.....	Jan	—22	114
Milwaukee, [Winkler].	37.74	48.37	38.61	41.57	June 28	81.00	June 21 & July 16.	92	Jan. 8	—21.00	Jan. 9	—23	115
Milwaukee, [Pomeroy]	39.51	50.17	40.02	43.24	July 16	87.67	July 16	96	Jan. 8	—15.67	Jan. 9	—26	122
Platteville	39.12	54.01	43.10	45.41	June 23	87.33	July 16	95	Jan. 8	—26.00	Jan. 9	—28	123
Superior	33.79	44.39	37.25	38.48	June 19	84.33	July 23	98	Jan. 8	—18.00	Feb. 22	—30	128
IOWA—													
Fort Madison (*b*)	42.08	55.73	47.82	48.54	June 24	87.67	June 6	98	Jan. 8	—16.67	Jan. 9	—25	123
Muscatine	37.86	53.08	41.80	41.25	June 22	87.33	June 24	97	Jan. 8	—21.00	Feb. 4	—29	126
Pleasant Plain (*c*)	36.71	56.96	43.86	45.84	June 23	85.00	June 23	102	Jan. 8	—17.78	Jan. 9	—24	126
CALIFORNIA—													
Sacramento	54.77	66.08	59.25	60.03	July 10	87.67	July 10	100	Jan. 2	38.33	Jan'y and Dec. 22.	—32	68
MEXICO—													
Mirador (*d*)	.....	.....	.....	76.36	April	92.44	.....	.....	Dec	48.42	.....	.....	.....

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Hours of observations not uniform throughout the year. See monthly tables.
d Observations at 7 a. m., 2 p. m., and 8 p. m.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.	FORCE OF VAPOR.			RELATIVE HUMIDITY.								
	MEAN.			MEAN.			MAXIMA.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches.*									
Montreal (*a*)	.243	.288	.260	725	712	769	100	100	100	24	26	33
Montreal (*b*)	.237	.276	.251	757	706	777	100	100	100	22	22	18
St. Martin (*a*)	.250	.336	.268	851	740	841	98	97	96	39	44	47
St. Martin (*b*)	.234	.320	.257	828	723	828	100	100	100	00	00	00
Toronto (*c*)	.233	.259	.240	827	667	786	100	98	97	46	35	32
VERMONT—												
Burlington	.245	.273	.258	733	571	692	------	----	------	00	00	00
MASSACHUSETTS—												
Amherst	.310	.347	.326	882	654	832	100	100	100	46	28	38
New Bedford	.296	.323	.309	822	684	822	100	100	100	40	20	21
Newburyport	.258	.274	.279	815	613	816	100	100	100	22	14	42
North Attleborough	.268	.277	.278	730	541	748	100	100	100	00	00	6
Princeton	.239	.258	.249	764	620	744	100	100	100	00	15	22
Westfield	.253	.271	.307	793	542	841	100	100	100	16	16	36
CONNECTICUT—												
Pomfret	.308	.344	.326	899	745	880	100	100	100	28	33	53
NEW YORK—												
Blackwell's Island	.280	.305	.298	714	629	702	100	100	100	20	21	5
New York city	.280	.308	.301	710	590	694	100	100	100	30	17	23
NEW JERSEY—												
Bloomfield (*d*)	.288	.345	.309	816	610	797	100	100	100	41	26	21
PENNSYLVANIA—												
Chromedale	.296	.317	.312	811	592	802	100	100	100	28	16	33
Norristown	.287	.302	.298	781	568	734	100	100	100	37	9	00
MARYLAND—												
Frederick	.289	.313	.319	732	568	733	100	100	100	17	18	2
DISTRICT OF COLUMBIA—												
Washington	.329	.341	.362	826	569	778	100	100	100	40	14	30
VIRGINIA—												
Alexandria (*e*)	.380	.419	.401	873	684	813	100	100	100	13	5	23
SOUTH CAROLINA—												
All Saints	.472	.501	.501	848	664	819	100	100	100	23	21	34
Camden	.403	.428	.425	809	556	735	100	100	100	00	9	19
Charleston (*f*)	------	------	------	------	------	------	------	------	------	------	------	------
St. John's	.430	.492	.478	852	631	808	------	------	------	20	21	1
GEORGIA—												
Savannah	.474	.468	.489	784	522	741	99	98	97	32	14	25
FLORIDA—												
Jacksonville	.612	.710	.619	904	797	901	100	100	100	26	45	00
Warrington (*g*)	.713	.794	.756	937	887	915	100	100	100	73	56	66
ALABAMA—												
Auburn	.363	.341	.353	641	422	567	100	100	94	6	1	12
TEXAS—												
Austin	.420	.383	.423	825	431	674	100	100	100	42	00	21
TENNESSEE—												
Glenwood	.348	.374	.370	833	530	753	------	------	------	26	14	24
KENTUCKY—												
Springdale	.289	.394	.384	873	616	763	100	100	100	00	00	10
OHIO—												
Cincinnati, [Harper]	.323	.376	.357	713	557	709	100	100	100	00	00	31
Germantown, [Groneweg]	.288	.302	.311	830	554	761	100	100	100	37	22	23
Hillsborough	.320	.344	.332	907	677	829	100	100	100	31	25	36
MICHIGAN—												
Romeo	.253	.273	.254	808	634	783	100	100	100	10	8	36
INDIANA—												
New Harmony	.347	.392	.385	854	617	819	100	100	100	43	15	39

a According to the tables used by the observer.
b According to the tables adopted by the Smithsonian Institution.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d From January 13th to December 24th.
e No observations during the last half of December.
f Mean force of vapor for the year, .525; computed approximately from the mean monthly dew point.
g Hours of observation not uniform. See monthly tables.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1856.

NAME OF STATION.	FORCE OF VAPOR.			RELATIVE HUMIDITY.								
	MEAN.			MEAN.			MAXIMA.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—	*Inches.*	*Inches.*	*Inches.*									
Manchester (*a*)	.338	.441	.363	922	738	925	100	100	100	39	18	12
IOWA—												
Muscatine	.278	.403	.309	827	732	819	100	100	100	00	18	00
CALIFORNIA—												
Sacramento	.336	.381	.371	757	600	742	100	100	100	26	12	12

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 54.—MEAN CLOUDINESS—SUMMARY FOR 1856.

NAME OF STATION.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—			
Montreal	5.92	5.95	5.22
St. Martin	4.77	4.99	4.32
MAINE—			
Gardiner	4.28	4.67	4.50
Perry	5.26	4.77	4.33
Portland	5.52	5.86	4.79
Steuben	6.37	5.96	6.07
VERMONT—			
Brandon	5.44	5.63	4.51
MASSACHUSETTS—			
Amherst	4.86	4.78	4.59
Mendon	4.45	4.87	4.41
Nantucket	4.36	3.97	4.12
New Bedford	5.39	5.52	5.38
Newburyport	7.35	6.24	7.91
North Attleborough	4.42	4.33	3.66
Princeton	4.92	5.33	4.62
Richmond	5.55	5.37	4.81
Westfield	5.21	5.11	4.72
Worcester	4.38	4.49	4.07
RHODE ISLAND—			
Providence	4.32	4.69	4.16
CONNECTICUT—			
New London	4.64	4.35	4.32
Pomfret	4.69	4.82	4.69
Saybrook	4.50	4.67	4.24
NEW YORK—			
Angelica	5.05	4.30	4.12
Baldwinsville	5.62	5.75	5.16
Beverly	4.85	5.14	4.45
Blackwell's Island	7.55	5.67	6.72
Flatbush	5.01	5.46	4.48
New York city	4.90	4.96	4.08
Ovid	6.06	5.91	5.36
Penn Yan (*a*)	6.35	6.23	6.78
Rochester, [Pratt]	7.20	7.53	7.56
Spencertown	4.67	4.66	4.25
Wampsville	6.31	6.29	5.33
Watertown	7.56	7.30	4.92
NEW JERSEY—			
Bloomfield	4.10	4.10	3.64
Burlington	5.47	5 17	4.98
PENNSYLVANIA—			
Bedford	4.61	5.55	4.37
Carlisle	4.37	4.59	3.84
Chromedale	4.79	5.05	4.07
Easton	4.66	5.08	4.03
Gettysburg	4.59	4.35	3.72
Harrisburg	4.43	4.13	3.85
Meadville	5.77	5.76	4.38
Morrisville	3.54	3.16	3.49
Nazareth	4.82	5.17	4.20
Norristown	4.73	5.02	4.04
Pocopson	5.62	5.86	4.24
West Haverford	4.05	5.14	------
MARYLAND—			
Bladensburg	4.95	5.07	4.24
Frederick	4.75	4.72	3.82
Sykesville	4.30	4.10	3.06
DISTRICT OF COLUMBIA—			
Washington	4.44	4.38	3.44
VIRGINIA—			
Alexandria	4.75	4.20	3.66
Berryville	4.97	5.10	3.52
Crichton's Store (*a*)	1.39	4.12	4.45
Lewisburg	5.42	5.52	4.42
NORTH CAROLINA—			
Chapel Hill	5.60	5.84	5.33
SOUTH CAROLINA—			
All Saints	4.39	4.54	3.66
Camden	5.24	5.48	4.76
GEORGIA—			
Savannah	4.34	4.79	3.42
Sparta	4.68	5.62	3.74
Whitemarsh Island	4.43	4.58	3.64
Zebulon	3.55	4.01	3.26
FLORIDA—			
Atsena	4.47	4.61	3.13
Jacksonville	4.40	4.63	2.80
Warrington (*a*)	4.16	3.79	4.11
TEXAS—			
Austin	5.82	5.41	3.28
Pin Oak (*b*)	------	------	------
KENTUCKY—			
Ballardsville	4.47	4.93	3.65
Paris	4.64	5.09	3.82
Springdale	4.03	4.81	4.41
OHIO—			
Cincinnati, [Harper]	4.77	5.22	3.65
Cleveland	5.95	5.79	5.07
Germantown, [Groneweg]	5.13	5.57	4.29
Granville	4.72	5.05	3.78
Hillsborough	4.17	4.32	2.90
Hiram	5.16	5.43	4.35
Savannah	5.37	5.64	4.38
Urbana	5.14	5.22	3.71
MICHIGAN—			
Romeo	6.17	6.31	4 79
Grand Rapids, [Currier]	5.39	5.21	3.90
Monroe	5.17	4.79	4.82
INDIANA—			
New Harmony	4.46	4.96	4.19
ILLINOIS—			
Athens	4.47	4.47	3.82
Augusta	3.89	4.14	3.40
Manchester (*a*)	4.92	5.42	4.51
Ottawa (*a*)	4.00	4.73	4.37
MISSOURI—			
St. Louis	4.37	4.35	4.14
WISCONSIN—			
Beloit	4.34	3.48	2.85
Milwaukee, [Winkler]	4.56	4.39	3.27
Platteville	4.66	4.81	3.92
IOWA—			
Fort Madison (*a*)	6.06	5.97	5.59
Muscatine	4.15	4.17	3.17
CALIFORNIA—			
Sacramento	3.00	2.88	2.17

a For hours of observation see monthly tables.
b Mean for the year, 2.31. Observations taken at sunrise, noon, and sunset.

No. 55.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	140	139	13	63	95	197	187	282	2	1118	59	79	16	16	61	110	295	201	837
Toronto (*a*)	43	143	38	96	26	297	46	302	107	1098	----	----	----	----	----	----	----	----	----
MAINE—																			
Gardiner	22	176	19	142	37	162	46	247	146	997	13	16	3	16	14	114	40	150	366
Perry	49	69	28	126	96	248	52	429	1	1098	46	51	17	36	50	109	73	189	571
Portland	132	120	97	60	132	101	232	202	1	1077	31	7	5	10	13	52	156	72	346
Steuben	34	218	14	56	12	338	62	259	34	1057	33	75	5	8	6	168	149	113	557
NEW HAMPSHIRE—																			
Concord	37	104	30	159	11	186	28	520	15	1090	----	----	----	----	----	----	----	----	----
Stratford	42	14	94	12	31	73	207	103	0	576	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	234	2	36	81	302	84	108	149	90	1086	38	9	3	7	15	64	141	265	542
Burlington	294	64	21	68	157	19	127	30	0	1080	----	----	----	----	----	----	----	----	----
MASSACHUSETTS—																			
Amherst	44	33	16	279	31	124	52	168	7	1054	11	31	4	19	16	99	82	187	449
Mendon	15	100	32	30	23	466	64	368	0	1098	16	95	33	30	22	464	70	367	1097
Nantucket	74	112	34	67	50	294	89	310	66	1096	----	----	----	----	----	----	----	----	----
New Bedford	52	123	12	82	37	301	106	375	6	1094	21	23	5	16	11	47	94	95	312
Newburyport	69	78	92	52	117	74	312	226	0	1020	----	----	----	----	----	----	----	----	----
North Attleborough	149	61	31	41	217	132	200	248	0	1079	71	49	39	18	133	87	221	123	741
Princeton	37	126	96	35	17	108	133	245	1	1098	12	68	48	19	5	69	304	121	646
Richmond	3	114	2	117	11	331	1	165	45	1089	11	75	2	94	14	250	16	320	782
Westfield	62	72	81	110	78	107	325	224	0	1059	----	----	----	----	----	----	----	----	----
Williamstown	40	18	81	180	78	127	213	265	40	1042	9	8	6	35	14	38	76	129	315
Worcester	241	41	13	28	61	209	305	200	0	1098	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	45	153	18	45	70	234	105	399	9	1078	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
New London	77	70	24	77	71	348	104	327	0	1098	----	----	----	----	----	----	----	----	----
Pomfret	46	126	14	55	88	227	43	496	0	1095	25	84	11	33	45	166	78	229	671
Saybrook	128	71	54	71	46	220	173	207	78	1048	25	21	17	15	20	57	169	109	433
NEW YORK—																			
Angelica	16	27	25	88	39	325	397	163	0	1080	2	1	2	20	8	295	223	40	591
Baldwinsville	50	38	93	62	31	102	216	393	9	994	22	7	5	10	14	21	326	302	707
Beverly	87	120	1	88	98	379	25	232	26	1056	28	50	10	76	63	225	138	111	701
Blackwell's Island	130	148	119	108	79	134	210	170	0	1098	106	109	92	83	64	109	195	154	912
Flatbush	96	88	57	63	158	138	212	286	0	1098	17	23	11	14	13	80	136	173	467
New York city	26	109	35	154	14	160	241	357	0	1096	3	38	58	42	10	132	348	128	759
Oswego	60	85	73	84	191	120	375	21	59	1068	----	----	----	----	----	----	----	----	----
Ovid	63	37	25	99	157	201	297	215	4	1098	53	14	12	58	92	159	295	238	921
Penn Yan (*a*)	84	78	3	7	170	334	360	62	0	1098	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	81	29	43	31	100	115	312	90	297	1098	----	----	----	----	----	----	----	----	----
Rochester, [Pratt]	81	57	44	69	88	317	297	123	0	1076	22	11	6	8	18	47	229	111	443
Spencertown	157	37	17	85	121	209	86	368	18	1098	56	17	4	42	31	124	156	353	783
Wampsville	22	10	92	79	178	80	560	73	0	1094	14	14	95	69	148	78	484	59	961
Watertown	8	287	1	20	26	551	164	41	0	1098	7	232	2	14	17	480	144	38	934
NEW JERSEY—																			
Bloomfield	30	80	14	99	15	119	97	279	0	1033	----	----	----	----	----	----	----	----	----
Burlington	54	137	72	59	47	164	328	146	79	1086	21	47	22	16	17	86	144	84	437
Lambertville	24	92	14	91	63	213	32	147	0	976	----	----	----	--	----	----	----	----	----
Newark (*a*)	68	87	11	78	24	193	76	191	7	735	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	1	2	0	93	18	198	53	187	0	852	0	2	0	56	12	163	61	274	568
Carlisle	7	97	23	79	13	200	129	246	275	1069	7	42	11	53	12	127	96	145	493
Chromedale	73	150	36	76	63	80	39	288	282	1087	31	19	12	16	15	84	250	155	582
Easton	75	32	17	89	73	31	183	278	236	1014	29	21	9	19	24	38	208	151	499
Gettysburg	86	95	21	25	90	273	168	221	116	1095	22	20	7	17	17	141	293	181	698
Harrisburg	28	21	37	149	85	27	215	457	0	1019	7	5	3	36	38	14	113	164	380
Lewisburg (*b*)	68	67	27	52	90	151	172	97	186	910	----	----	----	----	----	----	----	----	----

a For hours of observation see monthly tables.

b For 11 months only; July wanting.

No. 55.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—Cont'd.																			
Meadville	15	8	5	51	131	115	105	180	419	1029	15	6	7	21	28	132	245	122	576
Morrisville	43	83	21	33	86	239	170	210	173	1058	21	44	6	28	12	173	233	120	637
Nazareth	154	88	39	45	78	139	282	160	91	1076	76	5	17	8	37	45	182	77	447
Norristown	12	33	85	71	39	159	415	130	0	944	16	12	71	13	11	83	390	44	640
Pocopson	76	50	29	32	61	284	358	156	0	1046	28	12	2	5	14	82	168	48	359
West Haverford	38	49	31	35	31	172	88	191	83	718	30	26	6	8	7	46	151	148	422
MARYLAND—																			
Bladensburg	18	83	24	38	15	119	20	186	0	503	----	----	----	----	----	--	----	----	----
Frederick	67	107	21	40	75	183	205	195	177	1070	19	10	4	8	57	57	361	82	578
Sykesville	29	34	37	137	87	193	425	156	0	1098	5	17	42	45	8	54	604	18	793
DISTRICT OF COLUMBIA—																			
Washington	5	115	30	105	16	318	119	287	67	1062	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	137	127	41	87	212	135	65	293	0	1097	----	----	----	----	----	----	----	----	----
Berryville	56	82	30	101	62	91	99	249	87	857	50	10	8	8	35	75	133	61	380
Crichton's Store (*a*)	301	62	27	48	269	207	70	55	35	1074	25	4	0	0	9	323	269	10	640
Lewisburg (*a*)	----	----	----	----	----	----	----	----	----	----	6	8	2	3	27	19	221	20	306
Trout Run Valley (*b*)	117	57	15	25	329	40	72	116	128	899	----	----	----	----	----	----	----	----	----
NORTH CAROLINA—																			
Chapel Hill	135	110	76	24	91	119	357	157	0	1069	21	32	13	8	46	259	138	39	556
SOUTH CAROLINA—																			
All Saints	135	138	87	97	137	220	177	102	5	1098	51	70	40	35	34	201	318	53	802
Camden	63	219	32	79	40	271	130	201	61	1096	26	77	29	37	16	168	240	105	698
Charleston, [Johnson]	17	106	41	50	37	80	41	62	3	437	----	----	----	----	----	----	----	----	----
Charleston, [Dawson]	20	196	40	105	16	214	36	107	0	734	----	----	----	----	----	----	----	----	----
St. John's	1	134	4	180	3	173	8	221	0	724	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Savannah	142	69	112	152	193	100	157	168	0	1093	----	----	----	----	----	----	----	----	----
Sparta	47	222	84	105	44	205	99	268	0	1074	16	52	28	41	14	135	161	99	546
Thomaston	108	159	77	152	24	85	52	331	0	988	----	----	----	----	----	----	----	----	----
Whitemarsh Island	77	158	49	82	165	85	135	130	190	1071	16	53	13	51	32	92	152	90	499
Zebulon	19	50	236	16	7	41	155	58	1	583	----	----	----	----	----	----	----	----	----
FLORIDA—																			
Atsena	109	227	103	79	41	133	164	115	62	1033	39	112	93	47	23	103	97	64	578
Jacksonville	51	268	23	161	64	242	53	227	4	1093	21	129	32	61	8	275	135	29	690
Salt Ponds	159	128	120	164	61	27	24	56	9	748	----	----	----	----	----	----	----	----	----
Warrington (*a*)	34	322	21	178	18	241	41	191	7	1053	17	100	18	55	9	147	24	79	449
ALABAMA—																			
Auburn	70	61	58	283	115	116	203	174	0	1080	----	----	----	----	----	----	----	----	----
MISSISSIPPI—																			
Columbus (*c*)	90	104	97	106	76	99	83	244	1	900	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	198	122	24	316	123	146	40	129	0	1098	146	96	22	225	119	198	71	134	1011
Pin Oak (*a*)	82	22	23	106	64	34	8	27	0	366	----	----	----	----	----	----	----	----	----
Washington	119	0	1	0	242	0	4	0	0	366	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	144	103	39	100	126	143	75	139	229	1098	30	24	18	21	44	131	316	118	702
KENTUCKY—																			
Ballardsville	122	107	15	49	192	309	133	168	0	1095	----	----	----	----	----	----	----	----	----
Paris	43	128	17	122	62	288	183	247	0	1090	19	5	5	6	71	70	244	8	428
Springdale	35	88	58	23	59	261	109	118	329	1080	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	86	78	48	20	34	287	374	128	0	1055	----	----	----	----	----	----	----	----	----
Cleveland	134	56	20	123	257	136	136	144	29	1035	34	8	3	6	22	71	252	89	485
Germant'n, [Groneweg]	197	110	17	166	49	335	7	129	3	1013	54	62	7	74	18	314	19	131	679
Granville	11	69	22	3	5	180	170	15	152	927	7	9	4	0	1	113	113	16	263
Hillsborough	17	219	4	124	28	367	20	240	10	1029	4	12	2	7	8	158	36	137	364
Hiram	116	45	9	25	97	265	211	209	80	1057	43	14	6	13	62	153	231	103	625

a For hours of observation see monthly tables.
b For 11 months only; December wanting.
c For 11 months only; January wanting.

No. 55.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Savannah	44	43	12	72	13	337	168	408	0	1097	28	29	9	54	10	206	145	220	701
Urbana	15	54	23	134	38	218	100	147	33	762	21	19	9	13	21	136	309	119	647
MICHIGAN—																			
Cooper	21	3	74	9	28	[illegible]	511	13	412	1094	20	14	367	13	8	1	72	16	511
Grand Rapids, [Currier]	16	147	30	76	[illegible]	[illegible]	99	65	341	1084	5	5	2	6	3	80	68	23	192
Monroe	51	190	48	73	[illegible]	[illegible]	52	405	0	1076	49	150	46	63	35	114	41	523	1021
Romeo	105	58	60	35	[illegible]	[illegible]	246	132	85	1041	49	10	8	10	21	68	157	60	384
INDIANA—																			
New Harmony	136	15	74	136	[illegible]	[illegible]	[illegible]	159	1	932	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens (*a*)	18	115	20	157	[illegible]	[illegible]	[illegible]	211	0	866	4	16	1	16	2	116	231	209	595
Augusta	29	91	97	103	[illegible]	[illegible]	[illegible]	124	65	1098	18	28	32	24	55	47	193	52	449
Manchester (*b*)	117	44	19	19	[illegible]	[illegible]	[illegible]	[illegible]	1	1092	30	9	7	4	71	119	225	86	551
Ottawa (*b*)	56	126	39	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39	976	22	10	2	4	22	43	46	63	212
MISSOURI—																			
St. Louis	73	87	103	18[illegible]	[illegible]	[illegible]	[illegible]	139	0	1091	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	24	204	7	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1095	----	----	----	----	----	----	----	----	----
Beloit	177	72	36	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1097	18	9	6	6	10	16	60	13	138
Janesville	79	136	39	123	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1098	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	31	176	105	158	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1002	----	----	----	----	----	----	----	----	----
Platteville	65	66	107	216	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1098	48	37	62	67	33	150	285	100	782
Superior	112	256	76	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1011	107	261	68	27	41	238	92	168	1002
IOWA—																			
Fort Madison (*b*)	56	138	39	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1094	25	23	26	16	29	128	259	148	654
Muscatine	7	125	20	212	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1097	1	22	2	35	2	205	15	108	390
Pleasant Plain (*b*)	117	62	88	116	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1000	----	----	----	----	----	----	----	----	----

a For 11 months only; July wanting.

b For hours of observation see monthly tables.

No. 56.—WINDS—MEAN VELOCITY IN MILES PER HOUR—SUMMARY FOR 1856.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																		
Montreal	10.57	10.88	9.85	5.30	4.21	7.23	9.79	7.77	7.82	3.55	5.99	5.20	9.20	3 37	4.57	3.84	6.35	4.81
Toronto (*a*)	10.12	7.91	11.88	6.09	6.75	9.81	9.89	9.96	10	.....	.....	.....	.....	.....	.....	.....	.....	.....
MAINE—																		
Gardiner	12.32	13.41	15.82	11.82	12.97	9.21	10.01	12.88	8.31	8	62	21.00	12.00	15 86	22.36	14.85	13 60	16.23	15.57
Perry	12.50	18.32	17.50	8 48	4 90	7.35	9.58	12.4			82	13.88	11.41	12 62	7 22	7.19	4.75	6 23	7.41
Portland	3.97	5.07	4.57	4.09	3.27	3.22	3.12	4.	10.15		3	2.29	4.0	2.40	4.08	2.94	2.32	2.34	2.50
Steuben	8.00	8.52	3.57	5.39	4.92	6.05	6.52	11.	10.52	4	40	5.23	2.50	4.29	2.60	3.46	2.69	3.66	3.55
NEW HAMPSHIRE—																		
Concord	3.70	7.06	4.60	3.83	0.40	3.60	4.56												
Stratford	5.89	4.21	9 74	3.27	4.40	5.14	8.16												
VERMONT—																		
Brandon	3.06	3.00	1.69	3.85	3.14	2.45	3.10				2.44	2.00	9.71	3.73	3.19	2.34	2.66	2.74
Burlington	3.93	7.03	9.95	11.07	8.77	9.35	12.			4.8								
MASSACHUSETTS—																		
Amherst	11.28	12.00	4.88	7.61	8.21	10.14	10				35.37	24.00	29.44	42.75	25.81	24.69	25.58	26.95
Mendon	6.47	8.12	3.31	4.63	5.87	3.37				26.97	9 74	5.24	8.90	8.14	3.30	2.80	3.49	4.42
Nantucket	13.42	17.14	11.35	13.24	9.02	12.25				6 0								
New Bedford	5.07	6.44	7.17	5.96	4.35	4.95					5.84	2.00	8 50	6.86	6.54	3.82	4.89	5.04
Newburyport	25.00	41.25	?	12.00	8.00	18.				5.0								
North Attleborough	5 15	6.31	5.26	4.00	3.52						6.37	5.82	6.22	4.67	5.70	4 54	3.89	4.82
Princeton	3.41	5.48	3.20	1.91	3.65	4.10	6.54	4.92	4.92	4	53	6.28	4 26	3 05	2.00	4.29	2.85	4.52	3.80
Richmond	2.00	10.83	3.00	11.76	2.35	8.06	4.00	11.91	9.88	4.1		11.68	3.00	12.50	2.71	8.87	6.00	10.98	10.21
Westfield	25.00	17.20	25 00	12.00	?	25.00	18.35	17.53	18.32										
Williamstown	7.98	4.50	12.14	7.08	6.0	8.71	11.10	8.09	8.49	5.	11	10.14	10.50	9.72	6.83	7.87	8.28	10.95	9.48
Worcester	13.50	22.58	8.00	11.75	17.52	5.54	9.82	13.58	12.11										
RHODE ISLAND—																			
Providence	3.73	5.77	7.00	6.66	4.12	4.38	5.03	4 95	4.65										
CONNECTICUT—																			
New London	1.87	4.97	8.17	3.42	1.01	3.09	4.68	3.18	3.30										
Pomfret	3.78	5.50	6.21	3.87	3.31	3 45	2.65	5.28	4.54	4.35	6.61	5.00	4.48	3 27	3.13	2.63	5.16	4.33
Saybrook	12.24	18.03	16.50	13.37	11.87	10.44	12 35	14.52	12.11	7.50	18.86	19 00	19.53	13.85	9.53	6.17	8.11	9.12
NEW YORK—																		
Angelica	8.00	5.78	7.28	5.33	4.03	6.41	5.82	6.61	6.06	7.00	35.00	18.50	24.50	16.50	12.41	11.75	13.55	12.74
Baldwinsville	4.76	6.38	2.56	4 38	7.74	7.00	4.22	9.00	6.50	6.55	8.00	3.60	10.90	8.00	4.67	2.96	9.24	6.05
Beverly	2.22	6.50	?	8.66	2.57	6.52	8.37	5.78	5.91	6.01	11.98	18.40	9.28	3.61	5.39	4.83	7.79	6.58
Blackwell's Island	5.68	6.57	5.76	5.56	4.89	5.87	5.54	6.38	5.84	5.20	5.12	4.80	4.60	4.78	5.47	5 1	6 13	5.25
Flatbush	5.84	4.20	5.12	5 24	3 61	1.94	4.26	4 95	4.28	15.29	27.91	32.45	34.43	22.62	18.43	13.47	13.73	16 53
New York city	5.58	7.30	3.53	5.46	3.43	2.88	3.44	6.36	5.04	2.00	8 32	2.15	4.46	2.00	2.01	2.09	2.59	2.63
Oswego	9.73	11.19	6.67	10.87	9 12	11.21	17.27	12.19	11.93	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ovid	8.52	6.05	5.00	8.29	9.10	7.62	15.95	11.17	10.76	5.66	5.00	3.00	6.00	4.74	4.87	6.93	6.24	5.97
Rochester, [Pratt]	7.56	6.59	4.59	5.43	6.19	8 31	9.76	12.35	8.19	8.77	12.00	7.83	13.00	6.82	13.17	10.11	9.67	10.21
Spencertown	3.76	6 65	3.06	8.13	4.56	5.84	4.12	5.56	5.24	8.86	8.71	6.00	10.85	9.10	7.86	6.52	7.23	7.55
Wampsville	9.82	7.50	5.66	5.74	6.31	6.70	10.50	9.27	8.67	8.93	6.07	5.23	5 38	5.26	5 32	8.69	6.98	7.18
Watertown	3.75	6.54	2.00	14.75	7.62	7.50	7.71	7.02	7.36	2.85	2.89	3.00	3.43	3.18	3.20	3.70	3.58	3.21
NEW JERSEY—																		
Bloomfield	11 29	9 87	4.40	6.86	7.21	6.46	11 39	12.30	9.51	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burlington	9.65	10.02	6.96	8 60	5.85	7.36	9 66	9 09	8.11	19.59	27.29	17.68	21.62	18.69	11.76	10.31	10.65	13.59
Newark (*a*)	7.29	8.06	6.55	6.67	6.29	5.51	5.96	8.68	6.96	.....	.....	.....	.....	.....	.....	.....	.....	.....
PENNSYLVANIA—																		
Bedford	2.00	2.00	?	2.41	2.00	1.87	2.58	3.20	2.73	?	2.00	?	3.00	2.73	2.11	3 13	4.00	3.24
Carlisle	2.29	4.56	4.17	3.66	2.92	5.79	4.15	8.03	3.88	3.71	5 00	5.00	4.04	5.92	3.88	3.72	6.01	4.65
Chromedale	6.58	6.92	4.42	5.17	3.79	6 73	10.13	13.93	6.63	7.13	8.56	14.75	11.31	9.53	6.88	4.46	6.81	6.24
Easton	8 41	6.31	5.47	9.47	6.67	8.68	10.56	9.38	6.96	11.03	19.43	23 11	18.68	12.04	11.48	8.12	9.62	10.33
Gettysburg	2.99	2.77	2.86	2.24	2.71	3.08	4.15	6 32	3 47	6.29	5.41	4.00	4.71	6.29	5.38	5.02	7.8	5.89
Harrisburg	6.43	4.48	3.59	3.84	2.64	2.81	3.10	6.70	4.89	5.55	9.80	4.00	2.11	2.88	3.68	3 44	7.50	5.14
Lewisburg (*b*)	15.43	10.42	5.42	4.63	10.78	1.76	13.27	13.30	9.11	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meadville	.....	.....	.....	.....	.....	.....	.....	.....	?	30.57	35.00	16.33	41.30	35.62	26 52	24.98	27.67	27.19
Morrisville	5.19	5 07	3.05	3.82	4.57	3.45	3.15	5.23	3.48	4.29	7.66	3.35	5.18	5.00	4 42	2.77	5.53	4.28
Nazareth	7.10	7.18	2.56	2.36	3.79	4.10	5.47	5 70	4.86	4.50	7.00	3.47	7.00	4.51	4.38	3.49	3.35	3.93
Norristown	7.67	5.58	4.40	4.48	5.08	5.41	4 36	11.62	5.67	3.63	7.92	6.38	14.46	7.91	6 78	4.17	9.14	5 42
Pocopson	8.97	7.09	4.54	5.66	7.53	6.05	7.56	11.76	7.74	6.12	11.00	4.00	5.80	8.82	4.92	4.12	5.36	5.21
West Haverford	10.86	12.24	8 61	6.91	7.57	6.87	4.66	10.57	7.46	19.20	25.42	17.33	16.87	26.57	17.98	15.72	19.22	18.25
MARYLAND—																		
Bladensburg	?	?	?	?	?	?	?	28.33	28.33	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frederick	4.71	4.88	3.52	5.05	4.05	5.19	7.65	10.20	5.52	6 28	6.40	3.50	6.50	8.89	6.02	5.52	7.92	6.15
Sykesville	4.41	4.06	3.97	3.64	3.87	3.57	3.87	6.96	4.25	3.69	4.24	3.43	3 83	2.25	3.70	3.44	4.22	3.50
DISTRICT OF COLUMBIA—																		
Washington	10.00	7.64	4.43	3.76	8.31	4.65	8.37	11.11	6.83	.....	.....	.....	.....	.....	.....	.....	.....	.....
VIRGINIA—																		
Alexandria	3.51	3.77	3.22	3.24	3.47	4.20	4.23	5.96	4.28	.....	.....	.....	.....	.....	.....	.....	.....	.....
Berryville	9.70	7.21	9.43	8.48	7.19	10.47	9.68	14.27	9.54	21.94	21.52	21 88	19.13	17.32	27 30	18.75	19.25	21.00
Crichton's Store (*a*)	3.92	3.26	2 10	3.05	4.13	4.92	6.58	6.30	4 21	27.41	28.50	?	?	7.44	8.04	5 01	7.60	7.64
Lewisburg (*a*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.33	28.75	18.50	12.01	14.30	19 68	16.38	21.50	17.26
Trout Run Valley (*c*)	7.65	9.60	6.36	7.46	4.57	6.97	5.52	6.10	5 05	.....	.....	.....	.....	.....	.....	.....	.....	.....
NORTH CAROLINA—																		
Chapel Hill	4.16	3.56	3.11	2.83	3.32	4.00	4.36	5 61	4.19	3.43	3.03	4.38	2.75	3.51	2.85	2.17	2.47	2.78
SOUTH CAROLINA—																		
All Saints	6.97	16.49	9.78	10.08	11.07	9.75	8 26	8.34	10.12	8.71	10.91	5.72	5.66	6.33	6.51	3.50	4.77	5.64
Camden	9.66	13.15	9.53	6.35	5.25	8 2.	11.17	10 82	9.17	11.35	12.17	10.62	8.81	10.69	11.72	10.63	8.99	10.75

a For hours of observation see monthly tables.
b For eleven months only; July wanting
c For eleven months only; December wanting.

No. 56.—WINDS—MEAN VELOCITY IN MILES PER HOUR—SUMMARY FOR 1856.

NAME OF STATION.	SURFACE CURRENT.									MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—																		
Savannah	2.93	5.51	6.38	4.51	4.26	2 90	3.77	4.66	4.31									
Sparta	3.49	6.73	5.42	4.86	5.07	5 30	7.91	7.29	6.21									
Thomaston	8.81	3 97	14.43	3.55	2.00	20.00	13.00	9.32	7.90									
White-marsh Island	7.34	13.96	10.94	7.84	9.68	10.46	6 89	10.68	8.18	5 25	11.23	6.92	6.18	9.41	7.45	5.01	5.98	6.76
Zebulon	9.53	11.76	9.15	13.20	6.00	9.32	6.93	10.86	9.03									
FLORIDA—																		
Atsena	7.54	8.21	7.70	6.27	12.02	8.77	11.10	10.57	8.39	6.64	3.74	3.35	4.60	3.90	6.33	5.13	6.93	4.99
Jacksonville	3.10	4.41	3.39	3.47	6.52	6.65	5.09	3.98	4.74	3.33	4.65	3.19	4.56	6.50	3.94	2.73	5.28	3.93
Salt Ponds	11.16	11.03	11.10	9.22	9.50	6.89	10.12	16.91	12.03									
Warrington (*a*)	9.00	11.55	14.00	11.55	13.53	11.55	10.07	9.90	11.11	2.86	4.05	4.94	3.00	4.22	3.34	4.15	3.52	3.61
ALABAMA—																		
Auburn	7.41	8 13	7.17	7.12	4.16	5.41	4.54	7.54	6.28									
MISSISSIPPI—																		
Columbus (*b*)	4.02	3.92	3.78	5.10	5.28	5.24	4.17	5.00	4.62									
TEXAS—																		
Austin	10.55	6.70	9.00	8.91	1.74	6.64	8.90	11.49	9.19	4.63	4.41	4.61	5.26	9.01	4.54	3.63	4.78	5.20
TENNESSEE—																		
Glenwood	3.38	4.04	2.97	3.59	4.07	4.47	5.81	7.85	3.69	3.67	4.45	4.39	7.14	6.23	3.62	2.60	4.04	3.55
KENTUCKY—																		
Ballardsville	3.20	3.60	1.73	2.45	6.40	5.30	3.18	4.63	4.55									
Paris	4.63	3.67	2.70	3.16	4.53	4.90	5.95	4.57	4.59	7.28	4.80	13.00	4.33	8.06	7.20	6.83	4.00	7.08
Springdale	9.55	7.59	7.83	4.18	10.42	8.37	13.22	10.53	6.52									
OHIO—																		
Cincinnati, [Harper]	6.37	5 50	5.55	6.00	7.20	7.30	10.08	7.91	8.09									
Cleveland	5.80	7.96	4.70	5.17	5.73	10.32	9.78	9.40	7.30	1.01	16.37	13.00	9.33	13.32	14.36	10.18	12.57	11.47
Germantown, [Groneweg]	2.43	2.45	2 00	1.96	2.08	2.44	5.71	2.81	2.40	2.00	2.00	1.43	1.57	2.40	2.11	4.32	2.03	2.87
Granville	7.73	5.17	4 62	10.33	6.00	7.49	7.93	6.29	3.60	3.14	3.75	7.00	?	12.00	6 14	3.58	5.43	4.86
Hillsborough	9.62	6.42	2.00	3.79	8.82	10 36	19 45	10.32	8.71	5.50	5.40	1.00	11.20	8.60	6.23	6.00	5.27	5.90
Hiram	5.56	5.20	3.56	5.56	5.22	6.83	5.16	6.14	5.42	15.28	14.21	6.33	14.38	10.08	10.29	10.9	13 21	11.47
Savannah	10.77	7.84	7.58	7.65	18.15	8.42	8.70	8.21	8.50	9.54	6.72	4.67	6.57	12.50	7.13	6.90	8 06	8.44
Urbana	20.53	16.17	14.30	15.47	20.45	19.69	14.99	18.90	16.95	23.05	24.00	24.78	31.85	25.62	27.01	12.71	24.92	19.60
MICHIGAN—																		
Cooper	4.57	6.67	7.28	7.55	5.11	9.30	7.15	11.15	4.46	10.25	14 36	8 54	16.00	5.00	4.00	6.67	12.62	8.37
Grand Rapids, [Currier]	3.12	3.81	3.48	3.26	2.59	5 29	5.80	4.03	3.11	9.40	10.60	35.00	28 50	20.33	14.05	11.78	11.59	13.52
Monroe	9.86	7.69	15.19	9.28	10.27	7.85	7.59	7.93	8.51	5.20	9.26	10.33	6.36	6.43	9.31	12.32	7.36	7.99
INDIANA—																		
New Harmony	3.73	2.00	2.79	3.52	5.87	3.86	4.22	4.30	4.04									
ILLINOIS—																		
Athens (*c*)	6.06	5.11	3.90	3.97	4.21	5.20	6.45	3.94	4 68	53.33	14.56	12.00	20.81	7.00	9.24	6.73	9.73	9.12
Augusta	7.83	11.31	9.16	9.23	10.39	11.52	10.58	12.56	10.05	6.67	5.46	7.58	5.42	6.33	5.29	4.08	6.16	5.23
Manchester (*a*)	4.79	6.18	5.26	7.00	8.04	5.37	6.15	4.59	5.87	?	?	?	?	2.00	?	4.0	?	3.00
Ottawa (*a*)	6.04	6.07	6.74	6.60	7.59	7.05	8.80	5.93	6.74	5.50	4.20	3.00	3.00	7.41	6.35	5.93	5.44	5.82
MISSOURI—																		
St. Louis	18.40	19.46	19.07	16.60	14.52	24.04	27.78	25.65	23.15									
WISCONSIN—																		
Appleton	5.10	10.51	24.14	8.00	9.80	9.86	6.50	7.89	9.03									
Beloit	5.31	8.24	6.97	7.14	6.00	6.90	6.94	6.74	6.48	11.29	20.56	11.67	13.30	12.80	21.50	18.70	19.15	17.25
Janesville	2 61	4 55	3.89	3.73	3.28	4.69	3.33	3.59	3.54									
Milwaukee, [Winkler]	3.19	6.67	2.61	2.55	5.24	5.22	3.91	5 36	4.61									
Platteville	5.89	10.45	10.19	7.74	7.01	8.21	8.70	6 97	8.13	7.00	10.78	10.30	6 68	7.12	7 42	6.78	8.14	7.56
Superior	4.78	12.96	8.66	4.44	3.35	4.51	6.46	9.39	7.93	7.31	23.71	9.69	14.77	9.90	11.55	12.24	17.71	15.31
IOWA—																		
Fort Madison (*a*)	5.02	4.70	5.10	5.18	5.94	7.70	7.77	7.69	6.38	5.20	8.61	5.81	11 50	5.66	5.22	4.68	8.14	5.98
Muscatine	4.86	4.17	4.55	4.08	4.15	5.88	4.84	5.23	5.00	4.00	7.82	4.00	4.63	14.50	5.34	4.86	5 36	5.44
Pleasant Plain (*a*)	8.33	7.94	6.65	5.38	5.47	4.00	6.48	13.30	7.46									

a For hours of observation see monthly tables.
b For eleven months only; January wanting.
c For eleven months only; July wanting.

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1857.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Aiken, S. C	33 32	81 34	565	12	John H. Cornish.
Albion, Ill	38 24	88 11	-------	2	Edgar P. Thompson.
Alexandria, Va	38 48	77 01	56	12	Benjamin Hallowell.
Alligator, Fla	30 12	82 37	174	10	E. R. Ives.
All Saints, S. C. (*a*)	33 40	79 17	20	12	Rev. Alexander Glennie.
Amherst, Mass	42 22	72 34	267	12	Prof. E. S. Snell.
Angelica, N. Y	42 15	78 01	1,500	7	Dr. E M. Alba.
Annapolis, Md	38 58	76 29	20	12	William R. Goodman.
Ann Arbor, Mich. (*b*)	42 16	83 44	891	2	Prof. A. Winchell.
Appleton, Wis	44 10	88 35	800	12	Prof. R. Z. Mason.
Ashville, N. C	35 37	82 29	2,250	4	W. W. McDowell.
Ashville, Ala	33 52	86 20	?	12	Thomas M. Barker.
Ashland, Va (*c*)	38 38	81 57	?	10	Samuel Couch.
Athens, Ga	33 58	83 30	850	6	Prof. John D. Easter.
Athens, Ill	39 52	89 56	?	11	Joel Hall.
Atsena, Fla (*d*)	29 07	83 02	12	12	Hon. Augustus Steele.
Auburn, Ala	32 37	85 34	821	12	Prof. John Darby.
Augusta, Ga	33 28	81 54	1,470	11	William Haines.
Augusta, Ill	40 12	89 45	200	12	Dr. S. B. Mead.
Aurora, Ill	41 40	88 16	600	4	Andrew J. Babcock.
Austin, Texas	30 20	97 46	650	12	Dr. Sam'l K. Jennings & J. Van Nostrand.
Austin, Texas	30 15	97 47	?	2	Swante Palm.
Baldwinsville, N. Y	43 04	76 41	?	12	John Bowman.
Baltimore, Md	39 18	76 37	?	2	Prof. Alfred M. Mayer.
Batavia, Ill	41 52	88 20	?	10	Thompson Mead.
Battle Creek, Mich	42 20	85 10	750	12	Dr. W. M. Campbell.
Bay City, Wis (*e*)	46 33	91 00	658	12	Edwin Ellis.
Bedford, Pa	40 01	78 30	?	12	Samuel Brown.
Belair, Fla	30 24	84 20	70	12	Benjamin F. Whitner.
Beloit, Wis	42 30	89 04	750	12	Prof. William Porter.
Belle Centre, Ohio	40 28	83 45	1,170	3	Rev. Robert Shields and J. C. Smith.
Bellefontaine, Ohio	40 21	83 40	1,031	4	Joseph Shaw.
Bellevue, Iowa	42 15	90 25	?	12	John C. Fory.
Bellevue, Neb	41 08	95 50	?	6	William Hamilton.
Bellevue, Neb	41 08	95 50	?	1	Henry M. Burt.
Bellport, N. Y	40 44	72 54	?	4	Henry William Titus.
Berryville, Va	39 09	78 00	575	12	Miss Ellen Kownslar.
Berwick, Pa	41 05	76 15	588	9	John Eggert.
Beverly, N. Y. (*f*)	41 22	74 00	180	10	Thomas B. Arden.
Black River, La	31 30	91 46	108	12	Dr. A. R. Kilpatrick.
Blackwell's Island, N. Y	40 45	73 57	29	11	Dr. Wm. W. Sanger.
Bladensburg, Md	38 57	76 58	?	10	Benjamin O. Lowndes.
Bloomfield, N. J	40 49	74 11	120	12	Robert L. Cooke.
Bogota, New Granada	4 36	74 14	8,863	1	Dr. E Uricoschea
Border Plains, Iowa	42 36	94 05	?	12	William K. Goss.
Boston, Mass	42 22	71 03	?	4	R. T. Paine
Boston, Mass	42 22	71 03	?	2	E. L. Smith.
Bowling Green, Ohio	41 27	83 45	700	6	Dr. W. R. Peck.
Brandon, Vt	43 45	73 00	?	12	David Buckland.
Bridgewater, Mass	42 00	71 00	142	8	Leander A. Darling.
Brighton, Ill. (*g*)	39 00	90 13	?	12	William V. Eldridge.
Buchanan, Min	47 33	92 00	?	1	Stephen Walsh.

* For the different names by which, in some cases, the same place is designated by the observers, see General List of Stations in the introduction.

a Waccamaw.
b University of Michigan.
c Buffalo.
d Cedar Keys.
e Chegoinegan Bay.
f Phillipstown.
g Piasa Farms.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Buffalo, N. Y.	42 50	78 53	?	4	Elias O. Salisbury.
Burlington, Min.	47 01	92 30	645	4	A. A. Hibbard.
Burlington, Vt.	44 29	73 11	346	1	McK. Petty.
Burlington, N. J.	40 00	75 12	26	12	Dr. E. R. Schmidt.
Byberry, Pa.	40 06	74 58	?	1	John Comly.
Camanche, Iowa	41 48	90 45	?	2	Nathan H. Parker.
Cambridge, Mass (*a*)	42 22	71 07	71	12	Prof. W. C. Bond.
Camden, S. C.	34 17	80 33	275	12	Dr. J. A. Young.
Cannelton, Ind.	37 58	86 40	450	10	Hamilton Smith, jr.
Canton, Mass.	42 12	71 08	90	5	D. H. Ellis.
Canton, N. Y.	44 38	75 15	304	4	E. W. Johnson.
Cannonsburg, Pa.	40 25	80 07	936	12	Prof. William Smith, D. D.
Cape Girardeau, Mo.	37 20	89 34	.....	12	Rev. James Knoud.
Capon Bridge, Va.	39 16	78 29	?	4	John J. T. Offutt, M. D.
Carlisle, Pa.	40 12	77 11	500	6	Prof. W. C. Wilson.
Carlowville, Ala.	32 10	87 15	300	12	Dr. H. L. Alison.
Carmel, Me.	44 47	69 00	175	1	John J. Bell.
Carthage, Ill.	40 23	91 17	?	8	Samuel Jacob Wallace.
Catharina Sophia, Surinam, S. A.	5 48	56 47	?	11	C. J. Hering.
Cazenovia, N. Y.	42 55	75 46	1,260	12	Aaron White.
Chapel Hill, N. C.	35 54	79 17	?	12	Rev. James Phillips, D. D.
Charleston, S. C.	32 46	80 00	30	12	Dr. Joseph Johnson.
Charleston, S. C.	32 46	80 00	?	12	Dr. John L. Dawson.
Chestertown, Md.	39 14	76 02	?	1	James A Pearce.
Cheviot, Ohio	39 07	84 34	?	.....	Ebenezer Hannaford.
Chicago, Ill.	41 53	87 41	600	9	G. D. Hiscox.
Chromedale, Pa.	39 55	75 25	196	12	Joseph Edwards
Cincinnati, Ohio (*b*)	39 06	84 27	150	12	George W. Harper.
Cincinnati, Ohio	.....	.....	.....	6	Francis W. Hurtt.
Cincinnati, Ohio	.....	.....	.....	1	Telegraph and Chronicle.
Claremont, N. H.	43 29	72 22	536	4	F. N. Freeman.
Cleveland, Ohio	41 30	81 40	665	12	Gustavus A. Hyde.
Clinton, N. Y.	43 00	75 20	500	12	Dr. H. M. Paine.
College Hill, Ohio, (Farmer's College)	39 19	84 25	800	5	Prof. R S. Bosworth.
Collingwood, Ohio	41 49	83 34	?	12	Henry Bennett.
Columbia, Ct.	41 42	72 16	?	12	William H. Yeomans.
Columbus, Miss.	33 30	88 29	227	12	James S. Lull.
Concord, N. H.	43 12	71 29	374	12	Dr. Wm. Prescott and H. E. Sawyer.
Cooper, Mich.	42 40	85 31	?	12	Mrs. Octavia C. Walker.
Copper Falls Mines, Mich.	47 25	88 16	1,230	8	Charles S. Whittlesey.
Cornish, Me.	43 40	70 44	800	12	G. W. Guptill.
Cornish, Me.	43 40	70 44	?	12	Silas West.
Council City, Kansas	38 42	95 50	?	7	Edmund Fish.
Covert, N. Y. (*c*)	42 40	76 50	700	1	John Lefferts.
Crack Whip, Va.	39 30	78 31	1,750	7	D. H. Ellis.
Craftsbury, Vt.	44 40	72 30	1,100	12	James A. Paddock.
Crichton's Store, Va.	36 40	77 46	500	12	Lieut. R. F. Astrop.
Danville, Ky.	37 40	84 30	950	11	O. Beatty.
Davidson College, N. C.	35 30	80 54	850?	2	W. C. Kerr.
Dubuque, Iowa	42 30	90 52	1,258	6	Dr. Asa Horr.
Easton, Pa.	40 43	75 16	320	12	Selden J. Coffin.
Eden, N. Y. (*d*)	42 30	79 07	700	10	Anna S. Landon.
Edgefield, S. C.	33 45	81 48	?	1	
Edgington, Ill.	41 25	90 46	?	9	Dr. E H. Bowman.
Edinburg, Ohio	41 20	81 00	520	10	Smith Sanford.
Edisto Island, S. C.	32 34	80 18	23	1	Dr. E. N Fuller.
Evansville, Ind.	38 08	87 29	390	10	John F. Crisp.
Factory Mills, Ga.	33 40	84 46	?	6	F. T. Simpson.
Fairfield, Iowa	41 01	91 57	940	12	J. M Shaffer.

a Harvard University.
b Woodward High School.
c The observations at this place are combined, in the reductions, with those at Townsendville, five miles distant.
d Brown Cottage.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Fishkill Landing, N. Y	41 34	73 58	42	7	William H. Denning.
Flatbush, N. Y	40 37	74 01	54	12	Rev. R. D. Van Kleek.
Fleming, Pa	40 55	77 53	780	12	Samuel Brugger.
Florida, Mass	42 42	73 10	2,500	12	L. F. Whitcomb.
Fordham, N. Y. (*a*)	40 54	74 03	147	3	Prof. Claudius Pernot.
Fort Edward, N. Y	43 13	73 42	?	2	Prof. Solomon Sias.
Fort Gibson, Indian Territory	35 47	95 10	543	4	
Fort Madison, Iowa	40 37	91 28	?	12	Daniel McCready.
Fort Thompson, Oregon	42 58	108 56		1	W. H. Wagner.
Fort Union, Dacotah	48 00	104 00		4	F. G. Riter.
Francestown, N. H	42 59	71 45	?	11	A. H. Bixby.
Francestown, N. H	43 00	71 46	?	5	Dr. Martin N. Root.
Franklin, Ohio	39 30	84 10	?	2	Dr. W. L. Schenck.
Franklin, Iowa	42 45	92 11	?	12	Dexter and Willard W. Beal.
Frederick, Md	39 24	77 18	?	12	Henry E. Hanshew.
Freehold, N. J	40 15	74 21	?	11	O. R. Willis.
Fremont Centre, Ill	42 18	88 06	736	12	Isaac H. Smith.
Gainesville, Fla	29 35	82 26	184	12	James B. Bailey.
Gallipolis, Ohio	39 00	82 01	520	11	A. P. Rodger.
Gardiner, Me	44 11	69 46	90	12	R. H. Gardiner.
Gaston, N. C. (*b*)	36 32	77 45	?	12	Dr. George F. Moore.
Guatemala, Central America	14 37	30 30	4,961	12	Antonio Canudas.
Georgetown, Ct	41 15	73 25	300	1	Aaron B. Hull.
Georgetown, Del	38 43	75 22	?	6	Dr. D. W. Maud.
Germantown, Ohio	39 39	84 11	?	1	J. S. Binkerd.
Gettysburg, Pa	39 51	77 15	?	12	Prof. M. Jacobs.
Glenwood, Tenn	36 28	87 13	481	12	Prof. William M. Stewart.
Goldsborough, N. C	35 20	77 51	?	4	Rev. Daniel Morelle.
Goliad, Texas (*c*)	28 30	97 15	50	1	John C. Brightman.
Grand Rapids, Mich	43 00	86 00	852	12	L. H. Streng.
Grand Rapids, Mich	43 00	86 00	852	12	Alfred O. Currier.
Granville, Ill	41 14	89 21	?	1	J. L. Jenkins.
Granville, Ohio	40 03	82 34	995	2	Prof. S. N. Sanford.
Great Falls, N. H	43 17	70 52	200	1	Henry E. Sawyer.
Great Salt Lake City, U. T	40 45	112 10	4,250?	9	H. E. Phelps.
Greene Springs, Ala	32 50	87 46	?	11	Henry Tutwiler.
Greensborough, Ala	32 40	87 34	350	12	Robert B. Waller.
Hamilton, Canada	43 15	79 57	?	12	Dr. W. Craigie.
Harrisburg, Pa	40 16	76 50	?	12	Dr. John Heisely.
Harrisburg, Pa	40 16	76 55	?	10	W. O. Hickok.
Hazlewood, Min	45 00	95 30	?	11	Rev. S. R. Riggs.
Helena, Texas	29 00	97 56	600	3	John C. Brightman.
Hibernia, Fla	30 15	81 30	15?	1	F. L. Batchelder.
Hillsborough, Ga	33 13	83 45	566	4	Eli S. Glover.
Hillsborough, Ohio	39 13	83 30	1,000	12	Joseph McD. Mathews, D. D.
Hillsborough, Ohio				11	C. C. Janes.
Hiram, Ohio	41 20	81 15	675	12	S. M. Luther.
Horta, Fayal, Azores	38 30	28 42	80	9	S. W. Dabney.
Houseville, N. Y	43 40	75 32		2	Walter D. Yale.
Iowa City, Iowa	41 39	91 33	?	5	W. Reynolds.
Jackson, Ohio	39 10	82 32	666	2	Moses Gilmor.
Jacksonville, Fla	30 15	82 00	13	11	Dr. A. J. Baldwin.
Janesville, Wis	42 42	89 09	768	11	J. F. Willard.
Jefferson, Ohio	42 00	81 00	?	12	James D. Herrick.
Kenawha, Va	38 53	81 25	?	9	David L. Ruffner.
Kenosha, Wis	42 35	87 50	600	12	John Gridley.
Laconia, N. H. (*d*)				12	Josiah B. French.
Lake Village, N. H (*e*)				12	Josiah B. French.
Lancaster, Ohio	39 40	82 40	?	4	Lewis M. Dayton.
Lapham, Min	46 10	96 00	850	4	E. M. Wright.

a St. John's College.
b Green Plains.
c San Antonio River, Goliad county.
d At the outlet of Lake Winnipissiogee.
e Four miles south of Laconia.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Lake Winnibigoshish, Min	47 30	94 40	?	4	Rev. Benjamin F. Odell.
Lake, N. Y	43 15	73 33	?	11	Peter Reid.
Lambertville, N. J	40 23	74 56	------	10	L. H. Parsons.
Lawrence, Mass	42 42	71 11	?	12	John Fallon.
Lawrence, Kansas	38 58	95 12	800	6	G. W. Brown.
Leavenworth City, Kansas	39 20	94 33	1,342	2	H. D. McCarty.
Lewisburg, Pa	40 58	76 58	?	12	Charles S. James.
Lewisburg, Va	38 00	80 00	2,000	12	Dr. Thomas Patton.
Lind, Wis	44 20	89 00	?	4	R. H. Struthers.
Logansport, Ind	40 45	86 14	?	12	Charles B. Lasselle.
Londonderry, N. H	42 53	71 20	?	1	Robert C. Mack.
Longwood, Va	37 30	79 31	800	3	Thomas J. Wickline.
Lowville, N. Y	43 46	75 38	?	12	J. Carroll House.
McGrawville, N. Y	42 34	76 11	1,450	9	J. Metcalf Smith.
Madison, Ohio	41 49	81 10	?	11	Rev. L. S. Atkins.
Madison, Ohio	41 52	81 00	650	12	Miss Ardelia Cunningham.
Madison, Wis	43 05	89 25	892	5	Dr A. Schue.
Madison, Wis (*a*)	43 05	89 25	892	12	Prof. J. W. Sterling.
Madrid, N. Y	44 43	75 33	280	3	E. A Dayton.
Manchester, N. H	42 59	71 28	300	12	Samuel N. Bell.
Manchester, Ill	39 33	90 34	683	12	John Grant.
Manhattan, Kansas	39 13	96 45	?	1	Isaac T. Goodnow.
Manitowoc, Wis	44 07	87 37	?	12	Jacob Lups.
Mapleton, Kansas	38 04	94 51	?	1	Dr. S. O. Himoe.
Marquette, Mich	46 32	87 41	630	4	Peter White.
Maquoketa, Iowa	42 04	90 41	?	4	E. F. Hobart.
Marysville, Cal	39 12	121 42	?	1	W. C. Belcher.
Marengo, Ill	42 14	88 38	650	12	O. P. Rogers.
Meadow Dale, Va	38 23	79 35	?	12	James Slaven.
Meadville, Pa	41 39	80 11	1,088	12	T. F. Thickstun.
Medina, Ohio	41 07	81 42	1,206	11	L. F. Ward.
Memphis, Tenn	35 08	90 00	262	4	Dr. W. J. Tuck.
Memphis, Tenn	35 08	90 00	262	6	Dr. Daniel F. Wright.
Menasha, Wis	44 13	88 18	?	3	Col. D. Underwood.
Mendon, Mass	42 06	72 33	?	12	Dr. John George Metcalf.
Mexico, N. Y	43 27	76 14	423	1	J. R. French.
Michigan City, Ind	41 41	86 53	622	12	C. S. Woodard.
Milford, Del	38 55	75 27	25	1	Richard A. Martin.
Millersburg, Ky	38 20	84 00	804	5	Rev. George S. Savage, M. D.
Milwaukee, Wis	43 04	87 59	658	12	F. C. Pomeroy.
Milwaukee, Wis	43 04	87 57	593	12	Dr. C. Winkler.
Milwaukee, Wis	----------	----------	--------	4	J. A. Lapham.
Mirador, Mexico	19 50	96 25	3,500	12	Carl Sartorius.
Monroe, Mich	41 56	83 22	590	11	Miss Helen I. Whelpley.
Monson, Me	45 11	69 35	?	12	Benjamin F. Wilbur.
Montreal, Canada	45 30	73 36	57	12	Dr. A. Hall.
Montrose, Va	38 07	76 54	200	8	H. H. Fauntleroy.
Moose Factory, Hud. Bay Ter	51 15	80 45	--------	4	J. Mackenzie.
Morrisania, N. Y. (*b*)	40 53	74 01	150	12	Joseph Zaepffel.
Morrisville, Pa	40 12	74 53	30	12	Ebenezer Hance.
Moss Grove, Pa	41 40	79 51	?	2	Francis Schreiner.
Mossy Creek, Va	38 20	79 05	?	10	Jed. Hotchkiss.
Mount Joy, Pa	40 08	76 35	?	5	Miss Mary E. Hoffer.
Mount Pleasant, S. C	32 47	79 55	20	2	Dr. E. N. Fuller.
Mount Union, Ohio	41 20	81 01	?	1	Newton Anthony.
Mount Vernon, Iowa	42 00	91 00	?	2	Prof. B. Wilson Smith.
Murfreesborough, N. C	36 30	77 06	?	12	Rev. A. McDowell.
Murrysville, Pa	40 28	79 35	960	9	Thomas H. Stewart.
Muscatine, Iowa	41 26	91 05	586	12	T. S. Parvin.
Mustapha, Va	39 20	81 41	?	5	James Frazer.
Nantucket, Mass	41 16	70 06	30	12	Hon. William Mitchell.

a State University.

b Fairmount Institute.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Nazareth, Pa.	40 43	75 21	?	12	H. A. Brickenstein.
New Albany, Ind.	38 17	85 45	?	7	C. Barnes.
Newark, N. J.	40 45	74 10	30	12	W. A. Whitehead.
Newark, Del.	39 38	75 47	120	12	Thomas J. Craven and Mrs. E. D. Porter.
New Bedford, Mass.	41 39	70 56	90	12	Samuel Rodman.
New Braunfels, Texas.	29 42	98 15	?	11	Rev. J. L. Forke.
New Buffalo, Mich.	41 45	86 46	661	6	J. B. Crosby.
Newburyport, Mass.	42 47	70 52	46	12	Dr. H. C. Perkins.
New Harmony, Ind.	38 08	87 50	320	12	John Chappellsmith.
New Lisbon, Ohio.	40 45	80 46	?	12	J. F. Benner.
New London, Ct.	41 21	72 03	90	12	Rev. T. Edwards, D. D.
New London, Wis.	44 21	88 45	?	12	J. Everett Breed.
New Orleans, La.				3	Dr. E. H. Barton.
New Orleans, La.	29 57	90 00	?	4	Lewes B. Taylor.
New York city, N. Y. (*a*)	40 43	74 05	159	12	Prof. O. W. Morris.
Nichols, N. Y.	42 00	76 32	?	12	R. Howell.
Norristown, Pa.	40 08	75 19	153	12	Rev. J. Grier Ralston.
North Attleborough, Mass.	41 59	71 22	175	3	Henry Rice.
North Barnstead, N. H.	43 38	71 27	?	12	R. F. Hanscom.
North Whitehall, Pa.	40 40	75 26	250	12	Edward Kohler.
Norway, Wis.	42 50	88 10	753	3	John E. Himoe.
Norwich, Vt.	43 42	72 20	?	12	Prof. A. Jackman.
Norwich, Ct.	41 32	72 03	50	12	N. Scholfield.
Oakland, Md.	39 40?	79 00	?	1	L. R. Cofran.
Oberlin, Ohio.	41 20	82 15	800	6	Prof. George N. Allen.
Oberlin, Ohio.	41 20	82 15	800	2	J. H. Fairchild.
Ogdensburg, N. Y.	44 43	75 26	?	12	William E. Guest.
Omaha, Neb.	41 15	96 10	?	7	William N. Byers.
Oregon City, Oregon				9	G. H. Atkinson.
Oswego, N. Y.	43 28	77 34	232	12	William S. Malcolm.
Ottawa, Ill.	41 20	88 47	500	12	Dr. J. O. Harris.
Ovid, N. Y.	42 41	76 52	800	12	J. W. Chickering.
Palmyra, Mo.					G. P. Cornings.
Paradise, Pa.	40 00	76 08		12	Jacob Frantz.
Paris, Ky.	38 16	84 07	810	12	Dr. L. G. Ray.
Pekin, Ill.	40 36	89 45	?	12	J. H. Riblet.
Penn Yan, N. Y.	42 42	77 11	740	12	Dr. H. P. Sartwell.
Peoria, Ill.	40 36	89 30	?	12	Dr. Frederick Brendel.
Perrysburg, Ohio.	41 39	83 40	?	12	D. K. Hollenbeck.
Perry, Me.	45 00	67 06	100	12	William D. Dana.
Philadelphia, Pa.	39 57	75 11	60	12	Prof. James A. Kirkpatrick.
Philomath, Ga.	33 45	83 15	?	1	James M. Reid.
Pittsburg, Pa., [Marine Hospital]	40 30	80 00	?	5	William Martin.
Pittsburg, Pa., [Oakland Station]	40 32	80 02	1,026	12	W. W Wilson.
Plainfield, Mass.	42 30	72 56	?	3	Francis Shaw.
Plainville, N. Y.	43 00	77 15	?	6	J H. Norton.
Platteville, Wis.	42 45	91 00	?	12	Dr. J. L. Pickard.
Pleasant Plain, Iowa.	41 07	91 54	?	12	Townsend McConnel.
Pocopson, Pa.	39 54	75 37	218	12	Fenelon Darlington.
Pomfret, Ct.	41 52	72 23	596	12	Rev. D. Hunt.
Pompey, N. Y.	42 52	76 09	1,737	3	S. Marshall Ingalls.
Poplar Grove, Va.	38 20	81 21	?	9	James E. Kendall.
Port Gibson, Miss. (*b*)	31 51	91 01	100	4	Prof. J. Boyd Elliott.
Port Huron, Mich.	42 53	82 24	606	8	James Allen.
Portland, Me.	43 39	70 15	87	12	Henry Willis.
Port of Spain, Trinidad, W. I.	10 39	61 34	16	2	Geological Surveyors.
Portsmouth, Va.	36 50	76 19	34	12	Prof. N. B. Webster.
Portsmouth, Ohio	38 50	82 49	468	4	J. H. Poe.
Pottsville, Pa.	40 41	76 09	?	1	Rev. B. R. Smyser.
Prescott, Wis.	44 56	92 40	800	3	S. L. Hillier.
Princeton, Mass.	42 28	71 53	1,113	6	John Brooks.

a Deaf and Dumb Institute.

b Elliott Academy.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Princeton, Min	45 50	93 45	?	12	O. E. Garrison.
Providence, R. I	41 49	71 25	120	12	Prof. A. Caswell.
Racine, Wis	42 49	87 40	?	6	W. J. Durham.
Red River Settlement, H. B. Terr'y	50 00	85 03	.....	9	Donald Gunn.
Richmond, Mass	42 23	73 20	1,190	9	William Bacon.
Richmond, Ind	39 47	84 47	800	12	Joseph Moore.
Ridge, Md	38 05	76 18	?	6	T. G. Stagg.
Rigolet, Labrador	54 00	55 00	.....	2	Henry Connolly.
Riley, Ill	42 08	88 33	650	12	E. Babcock.
Ripley, Ohio	38 47	83 31	.....	4	J. Ammen.
Rochester, N. Y	43 08	77 51	.....	12	William Harkness.
Rochester, N. Y	43 08	77 51	516	12	F. B. Palmer.
Romeo, Mich	42 44	83 00	730	3	Seth L. Andrews, M. D.
Rose Hill, Va	38 00	76 57	250	12	George W. Upshaw.
Rossville, Iowa	43 10	91 21	1,400	2	Carlisle D. Beeman.
Rougemont, Va	38 05	78 21	450	12	George C. Dickinson.
Rupert, Vt	43 15	73 11	750	12	Joseph Parker.
Ruthven, Va	37 21	77 33	?	12	Julian C. Ruffin.
Sacramento, Cal	38 35	121 40	49	12	Dr. Thomas M. Logan.
Sag Harbor, N. Y	41 00	72 20	40	12	Ephraim N. Byram.
St. Augustine, Fla	29 48	81 35	8	12	Dr. P. B. Mauran.
St. Croix, (Falls of,) Wis	45 30	92 40	660?	1	Marine T. W. Chandler.
St. George's, Bermuda	32 23	64 40	123	10	Royal Engineers.
St. John's, Newfoundland	47 35	52 38	?	12	John Delany, jr.
St. Johnsbury, Vt	44 25	72 00	540	11	Franklin Fairbanks.
St. Joseph, Mo	39 40	94 40	.....	7	Edward B. Neely.
St Louis, Mo	38 37	90 16	461	12	Dr. A. Wislizenus.
St. Martin, Canada	45 32	73 36	118	12	Dr. Charles Smallwood, LL. D.
Salem, Va	39 20	80 01	1,100	6	J. Carson Wells.
Salem, Oregon	44 55	122 45	?	9	?
Salt Ponds, Fla. (*a*)	24 33	81 48	4	12	William C. Dennis.
San Francisco, Cal	37 48	122 23	150	12	Dr. W. O Ayres,
Saratoga, N. Y	43 06	74 00	960	12	Walter H. Riker.
Savannah, Ga	32 05	81 07	42	12	Dr. John F. Posey.
Savannah, Ohio	41 12	82 31	?	12	Dr. John Ingram.
Saybrook, Ct	41 18	72 20	10	12	James Rankin.
Sennett, N. Y	43 00	76 55	?	1	Henry B. Fellows.
Sergeantsville, N. J	40 29	75 03	?	12	John T. Sergeant.
Shamokin, Pa. (*b*)	40 45	76 31	700	12	P. Friel.
Shelburne, N. H	44 23	71 06	700	10	F. Odell.
Shelburn, Vt	44 23	73 00	150	12	George Bliss.
Shelby Bay, Bermuda	32 28	64 32	?	1	James B. Arnold.
Sidney, Ohio	40 21	84 11	?	9	Joseph Shaw.
Sioux City, Iowa	42 31	96 25	?	8	Dr. J. J. Saville.
Sistersville, Va	39 34	80 56	540	8	E. D. Johnson.
Smithfield, Va	36 50	76 41	100	12	Dr. John R. Purdie.
Somerset, Pa	40 02	79 02	1,997	1	George Mowry.
South Pass, Ill	37 28	89 14	?	1	Frank Baker.
Southwick, Mass	42 02	72 10	265	4	Amasa Holcomb.
Sparta, Ga	33 17	83 09	550	12	Dr. E. M. Pendleton.
Spencertown, N. Y	42 19	73 41	800	12	A. W. Morehouse.
Springdale, Ky	38 07	85 34	570	12	Mrs. Lawrence Young.
Springfield, Mass	.....	.....	.....	.....	F. A. Brewer.
Springfield, Mo	37 12	93 12	.....	7	J. A. Stephens.
Stanbridge, Canada East	45 08	73 00	?	12	J. C. Baker.
Steuben, Me	44 44	67 58	50	12	J. D. Parker.
Stratford, N. H	44 08	71 34	1,000	3	B. Gould Brown.
Sykesville, Md. (*c*)	39 23	76 57	700	12	Miss Harriott M. Baer.
Tarentum, Pa	40 37	79 19	950	12	John H. Baird.
The Rock, Ga	32 52	84 23	833	12	Dr. James Anderson.
Toronto, Canada	43 39	79 21	108	12	Magnetic Observatory.

a Key West. *b* Lancaster Colliery. *c* Schellman Hills, Schellman Hall.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1857.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Townsendville, N. Y. (*a*)	42 37	76 53	1,000	10	John Lefferts.
Trinity, La	31 37	91 47	68	7	Dr. Edward Merrill.
Troy, N. Y.	42 44	73 36	58	2	Prof. Dascom Greene.
Union Hill, Texas	30 30	96 31	540	10	Dr. W H. Gantt.
Upper Alton, Ill	38 55	90 10	?	4	Miss Anna James.
Urbana, Ohio	40 06	83 43	1,015	12	Prof. M. G. Williams.
Utica, N. Y.	43 07	75 15	500	6	Dr. L. A. Tourtellot.
Vera Cruz, Mexico	19 12	96 09	26	9	Dr. G. Berendt.
Wabashaw, Minn	44 30	92 15	850	1	Spencer L. Hillier.
Wallingford, Ct	41 26	72 50	133	12	B. F. Harrison.
Walnut Grove Villa, Tenn. (*b*)	36 00	82 53	1,350	1	James B. Bean.
Wampsville, N. Y.	43 04	75 50	500	12	Dr. Stillman Spooner.
Warrenton, N. C.	36 30	78 15	?	11	Dr. W. M. Johnston.
Warrington, Fa	30 20	87 16	12	11	Joseph Fry.
Warsaw, Ill	40 20	91 31	?	12	Benjamin Whitaker.
Washington, D. C.	38 56	76 58	?	1	E. G. Arnold.
Washington, D. C.	38 53	77 01	30	10	Smithsonian Institution.
Washington, D. C., (near)				4	J. Wiessner.
Washington, Texas	30 26	96 15	?	12	B. H. Rucker.
Waterford, N. Y.	42 48	73 41	?	12	John C. House.
Waukesha, Wis.	42 50	88 12	833	7	L. C. Slye, M. D.
Waukesha, Wis.	42 50	88 11	812	5	Prof. S. A. Bean.
Welchfield, Ohio	41 23	81 12	1,115	10	B. F. Abell.
Wellsville, N. Y.	42 07	78 06	1,480	10	H. M. Sheerar.
West Bedford, Ohio	40 18	82 01	876	3	H. D. McCarty.
Westtown, Pa	39 57	75 34	550	6	Samuel Alsop.
West Concord, N. Y.	43 00	79 00	2,000	8	Lewis Woodward.
West Enfield, N. H.	43 30	72 00	?	11	Nathaniel Purmot.
West Fairlee, Vt	43 55	72 15	?	12	L. W. Bliss.
Westfield, Mass.	42 06	72 48	?	12	Rev. Emerson Davis, D. D.
West Haverford, Pa	40 00	75 21	?	11	Dr. Paul Swift.
West Salem, Ill	38 30	88 00	?	12	Henry Titze
West Urbana, Ill.	40 09	88 17	550	9	Dr. John Swain.
Weymouth, Mass.	42 10	71 00	150	12	Dr. N. Quincy Tirrell.
Wheaton, Ill.	41 49	88 06	682	1	J. H. Collier.
Whitemarsh Island, Ga	32 04	81 05	18	11	R. T. Gibson.
Williamstown, Mass	42 43	73 13	720	11	J. McGee.
Winchester, Va	39 15	78 10	?	12	John W. Marvin.
Windham, Ohio	41 10	81 05	?	11	Samuel W. Treat.
Windsor, Nova Scotia	44 59	64 07	200	6	Rev. J. M. Hensley.
Winnebago, Ill.	42 17	89 11	?	10	J. W. Tolman.
Wirt Court-House, Va	39 05	81 26	?	12	J. W. Hough.
Wolfville, Nova Scotia (*c*)	45 06	64 25	95	12	A. P. S. Stuart.
Woodstock, Vt.	43 36	72 35	650	12	Charles Marsh.
Worcester, Mass.	42 16	71 48	536	12	John S. Sargent.
Zanesville, Ohio	39 58	82 01	700	2	Dr. J. G. F. Holston.
Zebulon, Ga	33 07	84 26	?	12	Mrs. J. T. Arnold.

a Lodi. *b* Greenville. *c* Horton.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.73	8	9 a. m.	*b* 30.10	31	9 p. m.	29.16
	Montreal	30.03	26	7 a. m.	30.65	19	9 p m.	29.62
	St. John's (*c*)	29.57	27	7 a. m.	30.47	6	7 a. m.	*d* 28.50
	St. Martin	29.91	26	7 a. m.	30.45	10	2 p. m.	29.51
	Toronto (*a*)	29.74	28	6 a. m.	30.16	10	2 p. m.	29.21
	Wolfville	29.82	31	7 a. m.	30.65	22	9 p m.	28.99
Maine	Carmel	29.60	26	2 p. m.	30.28	22	2 p. m.	28.88
	Gardiner	29.84	26	2 p. m.	30.37	19	7 a. m.	*e* 29.17
	Portland	29.86	26	2 p. m.	30.51	19	9 p. m.	29.12
	Steuben	29.83	31	7 a. m.	30.49	22	2 p. m.	29.15
New Hampshire	Concord	29.64	18	7 a. m.	30.58	19	2 p. m.	28.95
	Shelburn (*a*)	29.77	26	Noon.	30.30	19	Sunset.	29.28
Vermont	Norwich	29.70	26	7 a. m.	30.27	19	2 p. m.	29.10
	Shelburne	29.66	26	7 a. m.	30.34	19	9 p. m.	29.08
Massachusetts	Amherst	29.83	26	7 a. m.	30.45	19	2 p. m.	29.00
	Bridgewater (*a*)	29.88	26	1 p. m.	30.53	19	1 p. m.	29.04
	Cambridge	29.97	26	2 p. m.	30.66	19	2 p. m.	29.14
	Canton	29.81	26	2 p. m.	30.47	19	2 p. m.	29.19
	Nantucket	29.97	26	2 p. m.	30.71	19	7 a. m.	28.98
	New Bedford	29.95	26	2 p. m.	30.63	19	2 p. m.	29.03
	Newburyport	29.99	26	7 a. m.	30.70	19	2 p. m.	29.23
	North Attleborough	29.84	26	2 p. m.	30.52	19	2 p. m.	28.98
	Westfield	29.91	26	2 p. m.	30.50	19	2 p. m.	29.24
	Williamstown	29.33	26	7 a. m.	29.91	3	2 p. m.	28.83
	Worcester	29.46	26	7 a. m.	30.21	19	2 p. m.	28.66
Rhode Island	Providence (*a*)	29.81	26	Sunrise.	30.53	19	1 p. m.	28.94
Connecticut	Norwich	29.96	25	9 p. m.	30.57	19	2 p. m.	29.07
	Pomfret	29.35	26	2 p. m.	30.07	19	2 p. m.	28.51
	Wallingford	29.92	26	7 a. m.	*f* 30.60	19	2 p. m.	29.07
New York	Blackwell's Island	30.07	26	2 p. m.	30.72	19	7 a. m.	29.22
	Buffalo	29.48	25	9 p. m.	29.91	10	2 p. m.	28.92
	Cazenovia	28.61	26	7 a. m.	29.10	3	2 p. m.	28.11
	Fishkill Landing (*g*)	30.24	26	7 a. m.	30.80	19	7 a. m.	29.50
	Flatbush	29.91	26	7 a. m.	30.60	19	2 p. m.	29.14
	Fordham	30.24	3	7 a. m.	30.85	10	9 p. m.	28.97
	Lowville	----------	26	7 a. m.	29.62	10	9 p. m.	28.69
	McGrawville	28.63	26	7 a. m.	29.05	3	7 a. m.	28.21
	Mexico	29.75	26	7 a. m.	30.24	3	2 p. m.	29.23
	New York city	30.08	26	7 a. m.	30.69	19	2 p. m.	29.29
	Oswego	29.39	26	7 a. m.	29.87	3	2 p. m.	28.85
	Ovid	28.95	25	9 p. m.	29.40	10	2 p. m.	28.43
	Penn Yan (*a*)	29.31	25	Sunset.	*h* 29.66	3	2 p. m.	28.84
	Rochester	29.61	28	7 a. m.	29.99	31	9 p. m.	29.12
	Sag Harbor	29.74	26	7 a. m.	30.42	19	2 p. m.	28.91
	Saratoga (*i*)	29.57	26	7 a. m.	30.50	3	2 p. m.	*j* 29.10
	Spencertown	29.36	26	7 a. m.	29.93	19	2 p. m.	28.71
	Troy	30.08	26	7 a. m.	30.69	19	2 p. m.	29.49
	Utica	29.53	26	7 a. m.	*k* 30.04	3	2 p. m.	29.02
New Jersey	Bloomfield	29.89	26	7 a. m.	*f* 30.52	19	7 a. m.	29.15
	Burlington	30.03	26	7 a. m.	30.58	19	7 a. m.	29.32
	Lambertville (*a*)	30.03	26	2 p. m.	30.63	19	7 a. m.	29.23
	Newark (*a*)	30.03	26	7 a. m.	30.60	19	7 a. m.	29.28
Pennsylvania	Berwick (*g*)	29.04	26	7 a. m.	29.23	19	7 a. m.	*e* 28.75
	Byberry	29.97	26	7 a. m.	30.63	19	7 a. m.	29.26
	Cannonsburg	28.89	25	9 p. m.	29.28	10	2 p. m.	28.47
	Carlisle	29.25	26	7 a. m.	29.78	3	2 p. m.	*e* 28.73
	Chromedale	29.95	26	7 a. m.	30.51	19	7 a. m.	29.19

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height on the 28th at 9 a. m.
c Observations taken at 7 a. m. and 2 p. m.
d Same height at 2 p. m. on the 7th.
e Same height at 2 p. m. on the 19th.
f Same height at 2 p. m. on the 26th.
g Not corrected for temperature.
h Same height at sunrise on the 28th.
i Aneroid.
j Same height at 2 p. m. and 9 p. m. on the 10th.
k Same height at 7 a. m. on the 28th.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Pennsylvania	Easton	29.79	26	7 a. m.	30.39	19	7 a. m.	29.12
	Gettysburg	29.55	26	7 a. m.	30.09	19	7 a. m.	29.02
	Harrisburg [Heisely]	29.86	26	7 a. m.	30.40	19	7 a. m.	29.34
	Lewisburg	29.63	26	7 a. m.	30.17	3	2 p. m.	29.11
	Morrisville	30.19	26	7 a. m.	30.82	19	7 a. m.	29.42
	Nazareth	29.51	26	7 a. m.	30.12	19	2 p. m.	28.84
	Norristown	30.00	26	7 a. m.	30.64	19	7 a. m.	29.27
	Philadelphia	29.86	26	7 a. m.	30.50	3	2 p. m.	29.22
	Pittsburg, [Wilson]	29.04	25	9 p. m.	29.42	10	2 p. m.	28.58
Delaware	Newark	29.87	26	7 a. m.	30.49	19	7 a. m.	29.20
Maryland	Annapolis	30.16	26	7 a. m.	30.69	19	7 a. m.	29.48
	Frederick	29.86	26	7 a. m.	30.43	19	7 a. m.	29.29
	Ridge (*a*)	30.11	26	7 a. m.	30.67	3	2 p. m.	29.56
Dist. of Columbia	Washington, [Smithsonian Institution]	30.18	26	7 a. m.	30.75	19	9 a. m.	29.51
Virginia	Alexandria	30.14	26	7 a. m.	30.68	19	7 a. m.	29.54
	Portsmouth	30.12	26	2 p. m.	30.68	19	7 a. m.	29.44
	Rose Hill	30.08	26	7 a. m.	30.67	19	7 a. m.	29.50
	Ruthven	29.75	26	7 a. m.	30.35	18	9 p. m.	29.19
North Carolina	Chapel Hill	29.59	26	2 p. m.	29.97	10	9 p. m.	29.14
	Goldsborough (*a*)	30.11	26	7 a. m.	30.64	10	9 p. m.	29.63
	Murfreesborough	29.63	26	7 a. m.	30.13	10	9 p. m.	29.21
	Warrenton	29.70	26	7 a. m.	30.21	10	9 p. m.	29.17
South Carolina	All Saints	30.12	26	2 p. m.	30.53	18	2 p. m.	29.44
	Camden	30.03	26	7 a. m.	30.44	18	7 a. m.	29.56
	Charleston	30.26	26	7 a. m.	30.62	18	2 p. m.	29.68
	Charleston, [Dawson]	------	------	------	30.62	------	------	29.68
	Edisto Island	30.18	26	9 a. m.	30.56	18	9 a. m.	29.53
Georgia	Savannah	30.02	26	7 a. m.	30.54	18	7 a. m.	29.62
	Sparta	29.58	26	7 a. m.	29.77	18	7 a. m.	29.11
	The Rock	29.41	26	7 a. m.	29.72	30	2 p. m.	*b* 29.05
Florida	Atsena	29.94	26	9 p. m.	30.23	18	7 a. m.	29.58
	Jacksonville	30.26	26	7 a. m.	30.59	18	7 a. m.	29.71
	St. Augustine (*a*)	30.30	26	2 p. m.	30.56	18	7 a. m.	29.73
	Salt Ponds (*c*)	29.86	26	2 p. m.	30.10	31	7 a. m.	29.65
	Warrington	30.19	19	7 a. m.	30.42	30	9 p. m.	29.79
Alabama	Auburn	29.50	26	7 a. m.	29.77	30	2 p. m.	29.09
	Greensborough	29.81	8	7 a. m.	30.15	30	2 p. m.	29.29
Mississippi	Columbus	30.04	26	9 p. m.	30.45	30	2 p. m.	29.49
	Port Gibson	30.11	19	7 a. m.	30.45	30	7 a. m.	29.72
Texas	New Braunfels	29.16	18	7 a. m.	29.70	2	7 a. m.	28.82
	Washington	29.70	18	7 a. m.	30.32	27	9 p. m.	28.91
Tennessee	Glenwood	29.78	8	7 a. m.	30.24	30	9 p. m.	29.31
	Walnut Grove	28.57	8	7 a. m.	28.89	30	9 p. m.	28.21
Kentucky	Millersburg	29.43	8	7 a. m.	29.84	31	7 a. m.	*b* 29.10
	Paris	29.35	8	7 a. m.	29.82	10	2 p. m.	*b* 28.93
	Springdale	29.61	8	7 a. m.	30.51	31	7 a. m.	*d* 29.17
Ohio	Cincinnati, [Harper]	29.66	8	7 a. m.	30.09	31	2 p. m.	29.25
	Cincinnati, [Hurtt]	29.32	25	7 a. m.	29.78	31	9 p. m.	28.71
	Cleveland (*e*)	29.26	25	9 p. m.	29.52	31	2 p. m.	28.68
	College Hill	29.23	8	7 a. m.	29.65	10	2 p. m.	28.77
	Germantown	29.37	8	7 a. m.	29.78	31	7 a. m.	*d* 28.90
	Granville	29.10	8	7 a. m.	29.50	31	2 p. m.	28.61
	Hillsborough	29.00	8	7 a. m.	29.44	31	2 p. m.	28.54
	Oberlin	29.54	15	9 p. m.	29.61	31	2 p. m.	28.73
	Urbana	28.89	8	7 a. m.	29.31	31	2 p. m.	28.42
	West Bedford (*a*)	28.66	16	7 a. m.	28.94	3	7 a. m.	28.05
	Zanesville	29.32	8	7 a. m.	29.72	10	2 p. m.	28.85

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 p. m. on the 30th
c For changes from the usual hours of observations, &c., see notes to table of the thermometer for this month. Not corrected for temperature.
d Same height at 2 p. m. on the 31st.
e Observations interrupted from the 8th to the 23d of the month. Aneroid barometer.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	Battle Creek	29.24	8	7 a. m.	29.61	31	7 a. m.	28.69
	Copper Falls Mines	28.62	5	2 p. m.	28.98	31	2 p. m.	27.99
Indiana	Michigan City	29.47	8	6 a. m.	29.88	31	6 a. m.	28.96
	New Harmony	29.91	8	7 a. m.	30.41	30	9 p. m.	29.41
	Richmond	29.14	8	7 a. m.	29.53	31	7 a. m.	28.67
	Romeo (*a*)	29.11	8	7 a. m.	29.48	31	2 p. m.	28.52
Illinois	Chicago	29.56	8	7 a. m.	30.05	7	9 p. m.	29.03
	Manchester (*a*)	29.05	8	7 a. m.	29.57	20	1 p. m.	28.60
Missouri	St. Louis	29.82	18	2 p. m.	30.35	30	2 p. m.	29.35
Wisconsin	Appleton	29.19	7	7 a. m.	29.63	31	7 a. m.	*b* 28.68
	Beloit	29.39	7	9 p. m.	29.86	20	7 a. m.	28.86
	Kenosha (*c*)	29.62?	7	9 p. m.	30.09	20	7 a. m.	29.15
	Madison, [Sterling]	29.17	7	9 p. m.	29.65	20	7 a. m.	28.65
	Manitowoc (*d*)	29.91	7	9 p. m.	30.29	31	7 a. m.	*b* 29.22
	Milwaukee, [Winkler]	29.45	7	9 p. m.	29.88	31	7 a. m.	28.94
	Prescott	29.50	7	7 a. m.	30.03	31	7 a. m.	28.51
	Racine (*e*)	29.38	7	2 p. m.	29.88	2	9 p. m.	*f* 28.94
	Waukesha	28.92	7	7 a. m.	*g* 29.33	20	2 p. m.	28.40
Iowa	Muscatine	29.70	7	2 p. m.	30.16	18	7 a. m.	*h* 29.00
California	San Francisco (*i*)	30.15	27	9 p. m.	30.40	3	2 p. m.	29.76
	Sacramento	30.21	27	9 p. m.	30.48	3	2 p. m.	29.79
Mexico	Mirador (*a*)	22.69	------	------	------	------	------	------
West Indies	Port of Spain, Trinidad	29.94	23	9 p. m.	29.98	3	2 p. m.	29.85
	St. George's, Bermuda (*j*)	29.93	27	9½ a. m.	30.32	4	3½ p. m.	29.59
Central America	Gautemala (*k*)	25.31	?	9 a. m.	25.43	?	3 p. m.	25.15
South America	Catharina Sophia, Surinam (*l*)	29.64	19	2 p. m.	*m* 29.69	3	6 p. m.	29.56
Azores	Horta, Fayal	30.25	20	7 a. m.	30.59	4	2 p. m.	*n* 29.85

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 2 p. m. on the 31st.
c Very incomplete.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Not corrected for temperature.
e Not corrected for temperature.
f Same height at 2 p. m. on the 20th.
g Same height at 9 p. m. on the 7th.
h Same height at 2 p. m. and 9 p. m. on the 19th.
i Aneroid.
j Observations taken at 3⅛ a. m., 9⅛ a. m., 3⅛ p. m., and 9⅛ p. m.
k Observations taken at 5 a. m., 9 a. m., 3 p. m., and 10 p. m.
l For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Aneroid.
m Same height at 6 p. m. on the 24th.
n Same height at 9 p. m. on the 4th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.71	10	9 p. m.	30.30	24	9 p. m.	29.20
	Montreal	30.04	11	9 p. m.	30.75	24	9 p. m.	29.45
	St. John's (*b*)	29.74	13	7 a. m.	30.35	26	2 p. m.	29.10
	St. Martin	29.91	12	7 a. m.	30.76	14	2 p. m.	29.21
	Toronto (*a*)	29.74	10	10 p. m.	30.35	24	2 p. m.	29.22
	Wolfville	29.95	12	7 a. m.	30.94	25	9 p. m.	29.20
Maine	Gardiner	29.97	12	2 p. m.	30.78	25	2 p. m.	29.39
	Portland	29.98	12	7 a. m.	30.75	28	2 p. m.	29.36
	Steuben	30.06	12	7 a. m.	30.90	28	2 p. m.	29.38
New Hampshire	Concord	29.80	12	7 a. m.	*c* 30.58	28	2 p. m.	29.21
Vermont	Norwich	29.79	12	7 a. m.	30.55	28	7 a. m.	29.23
	Shelburn	29.74	12	7 a. m.	*c* 30.60	28	7 a. m.	29.01
Massachusetts	Amherst	29.93	12	7 a. m.	30.69	28	7 a. m.	29.37
	Bridgewater (*a*)	30.03	12	7 a. m.	30.81	28	1 p. m.	29.50
	Cambridge	30.12	12	7 a. m.	30.93	28	2 p. m.	29.53
	Canton	29.96	12	2 p. m.	30.69	28	2 p. m.	29.40
	Nantucket	30.21	12	7 a. m.	30.94	28	2 p. m.	29.65
	New Bedford	30.09	12	2 p. m.	30.87	28	2 p. m.	29.53
	Newburyport	30.14	12	7 a. m.	31.00	25	2 p. m.	29.57
	North Attleborough	29.99	12	7 a. m.	30.77	28	2 p. m.	29.43
	Southwick (*a*)	30.12	12	7 a. m.	30.86	28	7 a. m.	29.66
	Westfield	30.03	12	7 a. m.	30.77	28	9 p. m.	29.48
	Williamstown	29.39	12	7 a. m.	30.14	28	7 a. m.	28.87
	Worcester	29.64	13	7 a. m.	30.50	25	7 a. m.	29.03
Rhode Island	Providence	29.98	12	Sunrise.	30.80	28	1 p. m.	29.40
Connecticut	Norwich	30.06	12	7 a. m.	30.78	28	9 p. m.	29.49
	Pomfret	29.49	12	7 a. m.	30.23	28	7 a. m.	*d* 28.96
	Wallingford	30.06	12	7 a. m.	30.80	28	9 p. m.	29.49
New York	Blackwell's Island	30.19	12	7 a. m.	30.94	25	9 p. m.	29.64
	Buffalo	29.42	10	9 p. m.	30.05	24	9 p. m.	28.98
	Cazenovia	28.67	12	7 a. m.	29.24	28	2 p. m.	28.18
	Fishkill Landing (*e*)	30.35	12	7 a. m.	31.05	28	9 p. m.	29.85
	Flatbush	30.03	12	7 a. m.	30.75	28	9 p. m.	29.48
	Fordham	30.38	2	9 p. m.	30.87	28	9 p. m.	29.06
	Lowville	----------	12	7 a. m.	29.78	5	7 a. m.	28.32
	McGrawville	28.69	12	2 p. m.	29.20	28	9 p. m.	28.26
	New York city	30.18	12	7 a. m.	30.87	28	9 p. m.	29.68
	Oswego	29.41	12	7 a. m.	30.05	28	2 p. m.	28.91
	Ovid	28.99	12	7 a. m.	*f* 29.55	28	2 p. m.	28.52
	Penn Yan (*a*)	29.34	11	Sunset.	*g* 29.85	28	Sunset.	28.84
	Rochester	29.56	12	7 a. m.	30.50	24	9 p. m.	29.11
	Sag Harbor	29.91	12	2 p. m.	30.67	28	7 a. m.	29.37
	Saratoga (*h*)	29.67	12	7 a. m.	30.37	28	9 p. m.	*i* 29.10
	Spencertown	29.46	12	7 a. m.	*f* 30.17	28	9 p. m.	28.90
	Troy	30.13	12	7 a. m.	30.89	28	9 p. m.	29.63
	Utica	29.41	16	2 p. m.	29.84	24	9 p. m.	28.98
New Jersey	Bloomfield	30.02	12	7 a. m.	30.71	28	7 a. m.	29.49
	Burlington	30.12	12	2 p. m.	30.79	28	2 p. m.	29.68
	Lambertville (*a*)	30.14	12	Noon.	30.82	28	7 a. m.	29.66
	Newark (*a*)	30.12	12	7 a. m.	30.82	28	6 p. m.	29.56
Pennsylvania	Berwick (*e*)	29.46	12	7 a. m.	*c* 30.00	28	9 p. m.	28.92
	Cannonsburg	28.90	11	7 a. m.	*j* 29.41	20	9 p. m.	28.41
	Carlisle	29.33	12	7 a. m.	29.90	28	9 p. m.	28.88
	Chromedale	30.04	12	7 a. m.	30.76	28	2 p. m.	*k* 29.56
	Easton	29.88	12	7 a. m.	30.52	28	9 p. m.	29.38
	Gettysburg	29.63	12	7 a. m.	30.21	28	9 p. m.	29.14
	Harrisburg, [Heisely]	29.92	12	7 a. m.	30.52	28	9 p. m.	29.47

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Observations taken at 7 a. m. and 2 p. m.
c Same height at 2 p. m. on the 12th.
d Same height at 2 p. m. on the 28th.
e Not corrected for temperature.
f Same height at 9 p. m. on the 11th.
g Same height at sunrise on the 12th.
h Aneroid.
i Same height at 7 a. m. on the 28th.
j Same height at 7 a. m. on the 12th.
k Same height at 9 p. m. on the 28th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Lewisburg	29.70	12	7 a. m.	30.28	28	2 p. m.	29.21
	Morrisville	30.28	12	7 a. m.	30.92	28	9 p. m.	29.78
	Nazareth	29.61	12	7 a. m.	30.29	28	9 p. m.	29.12
	Norristown	30.11	12	7 a. m.	30.76	28	2 p. m.	29.58
	Philadelphia	30.03	12	7 a. m.	30.64	28	9 p. m.	29.60
	Pittsburg, [Wilson]	29.06	10	9 p. m.	29.59	28	9 p. m.	28.69
Delaware	Newark	30.03	12	7 a. m.	30.61	25	2 p. m.	29.59
Maryland	Annapolis	30.20	12	7 a. m.	30.78	28	9 p. m.	29.76
	Frederick city	29.91	12	7 a. m.	30.50	28	2 p. m.	29.44
	Ridge (*a*)	30.14	12	7½ a. m	30.70	19	1 p. m.	29.79
Dist. of Columbia	Washington, [Smithsonian Institution]	30.22	12	7 a. m.	30.84	28	9 p. m.	29.70
Virginia	Alexandria	30.21	12	7 a. m.	30.80	28	2 p. m.	29.73
	Portsmouth	30.20	12	7 a. m.	30.77	28	2 p. m.	*b* 29.64
	Rose Hill	30.15	12	7 a. m.	30.75	28	9 p. m.	29.66
	Ruthven	29.87	11	7 a. m.	*c* 30.39	28	9 p. m.	29.38
North Carolina	Chapel Hill	29.63	12	7 a. m.	30.07	28	7 a. m.	*b* 29.25
	Goldsborough	30.18	12	7 a. m.	30.71	28	9 p. m.	29.72
	Murfreesborough	29.56	12	7 a. m.	30.16	19	2 p. m.	29.23
	Warrenton	29.79	12	7 a. m.	30.23	21	7 a. m.	29.43
South Carolina	All Saints	30.17	11	2 p. m.	*d* 30.61	28	9 p. m.	29.68
	Camden	30.06	12	7 a. m.	*e* 30.53	28	2 p. m.	29.58
	Charleston	30.24	11	7 a. m.	*c* 30.70	28	2 p. m.	29.78
	Charleston, [Dawson]	------	------	------	30.70	------	------	29.83
	Mount Pleasant (*a*)	30.20	11	8 a. m.	30.65	28	9 p. m.	29.74
Georgia	Savannah	30.22	11	7 a. m.	30.61	28	2 p. m.	29.80
	Sparta	29.48	11	7 a. m.	29.85	28	2 p. m.	29.10
	The Rock	29.43	10	7 a. m.	*f* 29.79	28	2 p. m.	29.04
Florida	Atsena	29.99	11	9 p. m.	30.26	28	9 p. m.	29.71
	Jacksonville	30.25	10	9 p. m.	30.59	28	9 p. m.	29.91
	St. Augustine (*a*)	30.27	11	7 a. m.	30.58	27	9 p. m.	29.89
	Salt Ponds (*g*)	29.80	3	2 p. m.	*h* 29.96	7	7 a. m.	*i* 29.68
	Warrington	30.16	10	7 a. m.	30.56	28	9 p. m.	29.90
Alabama	Auburn	29.48	10	7 a. m.	29.86	20	2 p. m.	29.26
	Greensborough	29.77	10	7 a. m.	30.30	7	2 p. m.	29.42
Mississippi	Columbus	29.96	10	7 a. m.	30.51	7	2 p. m.	29.53
	Port Gibson	30.00	10	7 a. m.	30.58	7	7 a. m.	29.65
Texas	New Braunfels (*j*)	28.96	10	7 a. m.	29.62	6	9 p. m.	28.48
	Washington	29.44	8	7 a. m.	*f* 30.77	12	2 p. m.	28.98
Tennessee	Glenwood	29.67	10	2 p. m.	30.33	7	2 p. m.	29.15
Kentucky	Paris	29.31	10	9 p. m.	29.93	20	2 p. m.	28.82
	Springdale (*a*)	29.51	10	9 p. m.	30.19	7	9 p. m.	29.01
Ohio	Cincinnati, [Harper]	29.59	10	2 p. m.	*k* 30.20	7	9 p. m.	*l* 29.18
	Cincinnati, [Hurtt]	29.12	11	7 a. m.	29.91	7	2 p. m.	28.45
	Cleveland (*m*)	29.12	10	9 p. m.	29.71	7	9 p. m.	28.70
	College Hill	29.19	10	9 p. m.	29.83	20	2 p. m.	28.70
	Franklin (*j*)	30.02	9	2 p. m.	*n* 30.50	18	2 p. m.	*o* 29.50
	Granville	29.05	10	2 p. m.	29.63	20	2 p. m.	28.58
	Hillsborough	28.96	10	9 p. m.	29.56	7	9 p. m.	28.52
	Medina (*p*)	28.55	10	9 p. m.	29.15	24	2 p. m.	28.07
	Oberlin	29.20	10	9 p. m.	29.85	7	9 p. m.	28.70
	Urbana	28.84	10	2 p. m.	29.49	7	9 p. m.	28.39
	West Bedford	28.49	11	7 a. m.	28.87	20	9 p. m.	28.16
	Zanesville	29.26	10	9 p. m.	29.83	20	2 p. m.	28.07
Michigan	Battle Creek	29.15	10	7 a. m.	29.84	7	9 p. m.	28.68
	Copper Falls Mines	28.55	26	2 p. m.	29.12	7	9 p. m.	27.98
	Romeo (*a*)	29.05	11	9 p. m.	29.68	25	1 p. m.	28.52

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 p. m. on the 28th.
c Same height at 7 a. m. on the 12th.
d Same height at 9 p. m. on the 11th.
e Same height at 2 p. m. on the 12th.
f Same height at 7 a. m. on the 11th.
g Not corrected for temperature. For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
h Same height at 2 p. m. on the 4th, 11th, and 12th.
i Same height at 7 a. m. on the 8th.
j Not corrected for temperature.
k Same height at 9 p. m. on the 10th.
l Same height at 2 p. m. on the 20th.
m Aneroid.
n Same height at 7 a. m. and 2 p. m. on the 11th.
o Same height at 2 p. m. on the 19th.
p Incomplete.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	Cannelton (*a*)	29.58	10	9 p. m.	30.35	20	2 p. m.	28.95
	Michigan City	29.34	10	5 p. m.	30.08	7	5 p. m.	28.81
	New Albany (*b*)	29.66	10	2 p. m.	30.34	7	2 p. m.	*c* 29.16
	New Harmony	29.75	10	2 p. m.	30.56	20	2 p. m.	29.22
	Richmond	29.04	10	2 p. m.	29.66	7	7 a. m.	28.43
Illinois	Chicago	29.41	10	2 p. m.	30.23	7	2 p. m.	28.73
	Manchester (*b*)	28.83	10	7 a. m.	29.81	7	7 a. m.	28.25
	Upper Alton	29.50	10	7 a. m.	30.32	20	7 a. m.	29.05
Missouri	St. Louis	29.59	10	7 a. m.	30.47	8	7 a. m.	28.87
Wisconsin	Appleton	29.02	10	2 p. m.	29.81	7	2 p. m.	28.24
	Beloit	29.21	10	7 a. m.	30.08	7	2 p. m.	28.49
	Kenosha (*d*)	29.42?	10	9 p. m.	30.15	7	2 p. m.	28.80
	Madison, [Sterling]	29.03	10	2 p. m.	29.83	7	2 p. m.	28.25
	Manitowoc (*a*)	29.78	10	2 p. m.	30.55	7	2 p. m.	29.12
	Milwaukee, [Winkler]	29.32	10	2 p. m.	30.10	6	9 p. m.	28.75
	Prescott	29.23	10	7 a. m.	30.19	7	2 p. m.	28.64
	Racine (*a*)	29.26	10	7 a. m.	*e* 30.00	24	2 p. m.	28.68
	Waukesha	28.80	10	7 a. m.	29.54	7	2 p. m.	28.10
Iowa	Muscatine	29.53	10	2 p. m.	30.46	7	7 a. m.	28.87
Utah	Great Salt Lake City (*b*)	25.39	10	Sunrise.	26.04	28	9 a. m.	24.96
California	Sacramento	30.08	8	7 a. m.	30.40	15	2 p. m.	29.72
	San Francisco (*f*)	30.04	8	7 a. m.	30.31	24	9 p. m.	29.66
Mexico	Mirador (*b*)	22.68	------	------	------	------	------	------
West Indies	Port of Spain, Trinidad	29.89	8	9 p. m.	29.96	23	2 p. m.	29.83
	St. George's, Bermuda (*g*)	30.11	4	9½ a. m.	30.41	2	3½ a. m.	29.74
Central America	Guatemala	25.24	------	9 a. m.	25.42	------	3 p. m.	25.09
South America	Catharina Sophia, Surinam (*b*)	29.61	3	2 p. m.	29.67	9	6 p. m.	29.56
Azores	Horta, Fayal	30.07	2	9 p. m.	*h* 30.46	9	2 p. m.	29.68

a Not corrected for temperature.
b For changes from the usual hours of observation, &c., see notes to the table of the thermometer for this month.
c Same height at 2 p. m. on the 20th.
d Very incomplete.
e Same height at 2 p. m. on the 10th.
f Aneroid.
g Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
h Same height at 7 a. m. on the 3d.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.62	22	9 a. m.	30.00	1	9 a. m.	29.22
	Montreal	29.87	29	9 p. m.	30.50	6	2 p. m.	29.35
	St. John's (*a*)	29.55	5	7 a. m.	*b* 30.10	10	2 p. m.	*c* 29.10
	St. Martin	29.72	22	9 p. m.	30.24	19	9 p. m.	29.24
	Toronto (*a*)	29.60	22	6 a. m.	30.00	1	2 p. m.	29.11
	Wolfville	29.74	9	7 a. m.	30.48	25	2 p. m.	29.20
Maine	Gardiner	29.75	22	9 p. m.	*d* 30.25	6	2 p. m.	29.14
	Portland	29.75	8	2 p. m.	30.29	6	2 p. m.	29.11
	Steuben	29.80	13	7 a. m.	30.39	10	7 a. m.	29.10
New Hampshire	Concord	29.58	23	7 a. m.	30.10	6	2 p. m.	*e* 28.96
Vermont	Norwich	29.58	13	7 a. m.	30.06	19	9 p. m.	28.96
	Shelburn	29.49	8	7 a. m.	30.44	19	9 p. m.	28.71
	St. Johnsbury (*f*)	29.31	22	9 p. m.	29.85	19	9 p. m.	28.70
	Woodstock	30.12	23	7 a. m.	29.60	19	9 p. m.	28.49
Massachusetts	Amherst	29.71	13	7 a. m.	30.23	19	9 p. m.	29.02
	Bridgewater (*a*)	29.77	13	7 a. m.	30.34	2	1½ p. m.	*g* 29.10
	Cambridge	29.87	23	7 a. m.	30.43	19	9 p. m.	29.27
	Canton (*a*)	29.72	13	7 a. m.	30.22	20	7 a. m.	29.13
	Lawrence (*h*)	29.82	23	7 a. m.	30.37	20	7 a. m.	29.20
	Nantucket	29.91	22	9 p. m.	30.57	2	2 p. m.	29.26
	New Bedford	29.85	13	7 p. m.	30.38	19	9 p. m.	29.28
	Newburyport (*a*)	29.90	23	8 a. m.	30.46	19	9 p. m.	29.29
	North Attleborough	29.70	23	7 a. m.	30.29	19	9 p. m.	29.10
	Southwick	29.89	13	7 a. m.	30.44	19	9 p. m.	29.26
	Westfield	29.82	13	7 a. m.	*i* 30.32	19	9 p. m.	29.18
	Williamstown (*a*)	29.19	13	7¾ a. m.	29.70	19	9 p. m.	28.51
	Worcester	29.45	6	2 p. m.	29.96	20	7 a. m.	*j* 29.03
Rhode Island	Providence (*a*)	29.72	13	Sunrise.	30.30	19	10 p. m.	29.10
Connecticut	Norwich	29.81	13	7 a. m.	30.32	19	9 p. m.	29.23
	Pomfret	29.26	23	7 a. m.	29.83	19	9 p. m.	28.67
	Wallingford	29.83	14	7 a. m.	30.37	20	9 p. m.	29.14
New York	Blackwell's Island	29.98	13	7 a. m.	30.55	19	9 p. m.	29.26
	Cazenovia	28.49	13	7 a. m.	*k* 28.91	19	2 p. m.	27.91
	Fishkill Landing (*l*)	30.18	8	2 p. m.	*i* 30.65	19	9 p. m.	29.47
	Flatbush	29.80	13	7 a. m.	30.35	19	9 p. m.	29.16
	Fordham	30.24	15	9 p. m.	30.83	1	2 p. m.	29.03
	Lowville	----------	22	2 p. m.	29.45	19	9 p. m.	28.36
	McGrawville	28.52	22	9 p. m.	28.89	19	2 p. m.	28.02
	New York city	29.96	13	7 a. m.	30.50	19	2 p. m.	29.36
	Oswego	29.24	8	7 a. m.	29.69	19	2 p. m.	28.62
	Ovid	28.84	8	7 a. m.	29.25	19	2 p. m.	28.30
	Penn Yan (*a*)	29.18	22	Sunset.	29.60	1	Sunset.	28.64
	Rochester	29.44	22	7 a. m.	29.81	19	2 p. m.	28.99
	Sag Harbor	29.68	13	2 p. m.	30.27	19	9 p. m.	29.05
	Saratoga (*f*)	29.44	22	9 p. m.	30.00	19	9 p. m.	28.75
	Spencertown	29.24	13	2 p. m.	29.75	19	9 p. m.	28.59
	Utica	29.39	13	7 a. m.	29.86	19	9 p. m.	28.72
New Jersey	Bloomfield	29.78	13	7 a. m.	30.32	19	2 p. m.	29.13
	Burlington	29.90	13	7 a. m.	30.40	19	2 p. m.	29.35
	Lambertville (*a*)	29.92	13	2 p. m.	30.44	19	2 p. m.	29.34
	Newark (*a*)	29.91	13	7 a. m.	30.43	1	9 p. m.	*e* 29.41
Pennsylvania	Berwick (*l*)	29.02	8	7 a. m.	*m* 29.67	19	2 p. m.	28.50
	Cannonsburg	28.79	22	7 a. m.	*n* 29.13	1	2 p. m.	28.35
	Carlisle	29.15	13	7 a. m.	29.59	19	2 p. m.	28.57

a For changes from the usual hours of observation, &c., see notes to table of the thermometer.
b Same height at 9 p. m. on the 4th, 2 p. m. and 9 p. m. on the 6th, and 7 a. m. on the 9th.
c Same height at 2 p. m. on the 25th, 2 p. m. on the 22d, 7 a. m. on the 27th, and 7 a. m. on the 28th.
d Same height at 7 a. m. on the 23d.
e Same height at 9 p. m. on the 19th.
Aneroid.
g Same height at 7 p. m. on the 2d.
h For the last 26 days of the month only.
i Same height at 9 p. m. on the 22d.
j Same height at 2 p. m. on the 20th.
k Same height at 2 p. m. and 9 p. m. on the 22d.
l Not corrected for temperature.
m Same height at 2 p. m. on the 8th, and 7 a. m. on the 13th.
n Same height at 7 a. m. on the 30th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Chromedale	29.83	13	7 a. m.	30.36	19	2 p. m.	29.27
	Easton	29.67	13	7 a. m.	30.18	19	2 p. m.	28.98
	Gettysburg	29.44	8	7 a. m.	29.88	1	2 p. m.	28.84
	Harrisburg, [Heisely]	29.73	13	7 a. m.	30.21	19	2 p. m.	29.13
	Harrisburg, [Hickok] (*a*)	29.70	13	7 a. m.	30.19	19	2 p. m.	29.08
	Lewisburg	29.50	13	7 a. m.	29.99	19	2 p. m.	28.87
	Morrisville	30.06	8	7 a. m.	*b* 30.50	1	9 p. m.	*c* 29.55
	Nazareth (*d*)	29.39	13	7 a. m.	29.94	19	2 p. m.	28.70
	Norristown	29.86	13	7 a. m.	30.40	19	2 p. m.	29.19
	Philadelphia	29.84	13	7 a. m.	30.30	19	2 p. m.	29.23
	Pittsburg, [Wilson]	28.94	6	7 a. m.	*e* 29.29	1	2 p. m.	28.38
Delaware	Newark, [Craven] (*d*)	29.81	13	7 a. m.	30.28	1	9 p. m.	29.28
Maryland	Annapolis	30.03	13	7 a. m.	30.53	1	2 p. m.	29.49
	Frederick	29.74	13	7 a. m.	30.23	1	2 p. m.	29.15
	Ridge (*d*)	29.91	8	7 a. m.	30.41	1	9 p. m.	29.34
Dist. of Columbia	Washington, [Smithsonian Inst.]	30.04	13	7 a. m.	30.54	1	2 p. m.	29.44
Virginia	Alexandria	30.01	13	7 a. m.	30.48	1	2 p. m.	29.42
	Portsmouth	30.60	8	7 a. m.	*f* 30.15	1	9 p. m.	29.32
	Rose Hill	29.96	8	7 a. m.	30.45	1	2 p. m.	29.34
	Ruthven (*d*)	29.70	8	7 a. m.	30.14	1	9 p. m.	29.05
North Carolina	Chapel Hill	29.48	13	7 a. m.	29.79	1	9 p. m.	28.96
	Goldsborough	30.01	13	7 a. m.	30.37	1	9 p. m.	29.39
	Murfreesborough	29.06	13	7 a. m.	29.90	1	9 p. m.	28.89
	Warrenton	29.59	13	7 a. m.	29.97	1	9 p. m.	28.98
South Carolina	All Saints	30.03	22	9 p. m.	30.29	1	9 p. m.	29.53
	Camden	29.93	22	7 a. m.	30.20	1	9 p. m.	29.41
	Charleston	30.10	22	9 p. m.	*g* 30.32	1	9 p. m.	29.65
	Charleston, [Dawson]				30.43			29.75
	Mount Pleasant (*d*)	30.07	23	7 a. m.	30.32	1	9 p. m.	29.60
Georgia	Athens (*d*)	29.33	22	7 a. m.	29.58	18	9 p. m.	29.09
	Savannah	30.08	23	7 a. m.	30.31	1	9 p. m.	29.68
	Sparta	29.39	31	2 p. m.	29.60	1	2 p. m.	29.06
	The Rock	29.34	7	2 p. m.	29.52	18	9 p. m.	29.13
Florida	Atsena	29.86	23	7 a. m.	*h* 30.06	1	9 p. m.	29.62
	Jacksonville	30.14	7	7 a. m.	30.35	1	2 p. m.	29.78
	St. Augustine	30.11	2	9 p. m.	30.35	1	2 p. m.	29.28
	Salt Ponds (*i*)	29.72	7	2 p. m.	29.88	8	7 a. m.	29.57
	Warrington	30.08	7	7 a. m.	30.27	5	7 a. m.	29.83
Alabama	Auburn	29.40	7	7 a. m.	29.59	5	2 p. m.	29.11
	Greensborough	29.69	12	7 a. m.	29.92	5	7 a. m.	29.38
Mississippi	Columbus	29.90	12	7 a. m.	30.21	4	9 p. m.	29.61
	Port Gibson	29.97	12	7 a. m.	30.26	4	9 p. m.	29.71
Louisiana	New Orleans (*d*)	30.34	7	7 a. m.	30.55	5	2 p. m.	?
Texas	New Braunfels (*j*)	28.95	12	7 a. m.	29.42	4	9 p. m.	28.62
	Washington	29.27	12	7 a. m.	30.15	27	2 p. m.	29.05
Tennessee	Glenwood	29.63	12	7 a. m.	30.07	20	2 p. m.	29.25
Kentucky	Paris (*d*)	29.23	12	7 a. m.	29.57	1	2 p. m.	28.83
	Springdale (*d*)	29.45	12	7 a. m.	29.82	20	2 p. m.	29.05
Ohio	Cincinnati, [Harper]	29.55	12	7 a. m.	29.85	1	7 a. m.	29.23
	Cincinnati, [Hurtt] (*k*)	28.97	2	7 a. m.	29.39	6	2 p. m.	28.61
	Cleveland (*l*)	29.05	8	7 a. m.	29.35	1	2 p. m.	28.58
	Hillsborough	28.88	12	2 p. m.	29.21	1	2 p. m.	28.45
	Medina	28.76	22	7 a. m.	29.27	1	7 a. m.	28.28
	Oberlin	29.15	22	7 a. m.	*m* 29.47	1	2 p. m.	28.42

a For the last 20 days of the month only.
b Same height at 2 p. m. on the 8th, and 7 a. m. and 2 p. m. on the 13th.
c Same height at 2 p. m. on the 19th.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
e Same height at 9 p. m. on the 12th.
f Same height at 7 a. m. on the 13th.
g Same height at 7 a. m. on the 31st.
h Same height at 7 a. m. on the 24th.
i For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Not corrected for temperature.
j Not corrected for temperature.
k Very incomplete.
l Aneroid.
m Same height at 7 a. m. on the 30th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Urbana	28.79	12	2 p. m.	29.17	1	2 p. m.	28.36
	West Bedford	28.26	2	2 p. m.	28.54	20	9 p. m.	27.98
Michigan	Battle Creek	29.13	12	9 p. m.	29.45	1	7 a. m.	28.61
	Copper Falls Mines	28.65	25	2 p. m.	29.21	20	2 p. m.	28.27
	Romeo	29.01	30	7 a. m.	29.36	1	7 a. m.	28.49
Indiana	Cannelton (*a*)	29.47	12	7 a. m.	29.83	20	9 p. m.	29.05
	Evansville (*b*)	29.40	12	2 p. m.	29.72	20	2 p. m.	29.04
	Michigan City	29.55	2	2 p. m.	*d* 29.64	20	2 p. m.	28.89
	New Albany (*c*)	29.61	12	2 p. m.	29.98	1	2 p. m.	29.28
	New Harmony	29.76	12	7 a. m.	30.14	20	2 p. m.	29.19
	Richmond (*e*)	29.03	30	7 a. m.	29.28	1	7 a. m.	28.62
Illinois	Batavia (*f*)	29.62	30	9 p. m.	30.02	10	7 a. m.	29.30
	Chicago	29.44	12	7 a. m.	29.76	20	2 p. m.	28.92
	Manchester (*c*)	28.88	12	7 a. m.	29.35	20	2 p. m.	28.36
Missouri	St. Louis	29.63	12	7 a. m.	30.05	20	2 p. m.	29.50
Wisconsin	Appleton	29.04	2	7 a. m.	29.38	4	9 p. m.	28.57
	Beloit	29.23	2	7 a. m.	29.57	20	2 p. m.	28.71
	Kenosha (*g*)	29.49	2	7 a. m.	29.87	1	7 a. m.	29.06
	Madison, [Sterling]	29.05	2	7 a. m.	29.41	20	2 p. m.	28.56
	Manitowoc (*a*)	29.79	2	7 a. m.	30.16	20	2 p. m.	29.38
	Milwaukee, [Winkler]	29.33	2	7 a. m.	29.73	4	9 p. m.	*h* 28.86
	Prescott	29.25	11	7 a. m.	*i* 29.58	17	9 a. m.	28.73
	Racine (*a*)	29.24	12	7 a. m.	29.57	18	7 a. m.	28.83
	Waukesha	28.81	2	7 a. m.	29.17	20	2 p. m.	28.35
Iowa	Muscatine	29.72	2	7 a. m.	30.01	20	7 a. m.	29.09
Utah	Great Salt Lake City (*c*)	25.67	11	Sunrise	*j* 26.02	21	3 p. m.	25.28
California	Sacramento	30.08	1	7 a. m.	30.34	26	9 a. m.	29.78
	San Francisco (*b*)	30.08	1	7 a. m.	30.31	26	9 p. m.	29.71
Mexico	Mirador (*c*)	22.68	------	------	------	------	------	------
West Indies	St. George's, Bermuda (*k*)	29.98	13	9½ a. m.	30.23	2	3½ p. m.	29.45
Central America	Guatemala	25.23	------	9 a. m.	25.33	------	3 p. m.	25.10
Azores	Horta, Fayal	30.01	2	9 p. m.	*l* 30.31	14	2 p. m.	29.66

a Not corrected for temperature.
b Aneroid.
c For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
d Same height at 2 p. m. on the 12th.
e Incomplete.
Observations taken at 7 a. m., 9 a. m., noon, 4 p. m., and 9 p. m. Aneroid.
g Observations taken at 7 a. m.
h Same height at 2 p. m. on the 20th.
i Same height at 7 a. m. on the 25th.
j Same height at 9 a. m. on the 11th.
k Observations taken at 9½ a. m. and 3½ p. m.
l Same height at 7 a. m. on the 3d.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.53	30	9 a. m.	29.96	15	9 a. m.	28.95
	Montreal	29.82	30	7 a. m.	30.32	15	7 a. m.	29.15
	St. John's (*a*)	29.71	6	7 a. m.	*b* 30.15	22	7 a. m.	*c* 29.30
	St. Martin	29.69	30	9 p. m.	30.18	15	7 a. m.	28.95
	Toronto (*a*)	29.53	2	10 p. m.	30.01	15	2 p. m.	28.94
	Wolfville	29.70	4	7 a. m.	30.30	23	2 p. m.	29.21
Maine	Gardiner	29.70	30	9 p. m.	30.43	15	7 a. m.	29.08
	Portland	29.68	8	7 a. m.	30.20	14	9 p. m.	29.02
	Steuben	29.76	8	7 a. m.	30.34	17	2 p. m.	29.17
New Hampshire	Concord	29.51	8	7 a. m.	30.03	14	9 p. m.	28.77
Vermont	Norwich	29.48	8	7 a. m.	29.98	14	9 p. m.	28.88
	Shelburn	29.40	30	2 p. m.	30.10	14	7 a. m.	28.61
	St. Johnsbury (*d*)	29.21	30	9 p. m.	29.76	15	7 a. m.	28.52
Massachusetts	Amherst	29.61	8	7 a. m.	30.12	14	9 p. m.	28.98
	Bridgewater (*a*)	29.70	8	7 a. m.	30.24	14	9 p. m.	28.97
	Cambridge	29.81	8	7 a. m.	30.35	14	9 p. m.	29.08
	Lawrence	29.73	8	7 a. m.	30.28	14	9 p. m.	28.95
	Nantucket	29.83	8	7 a. m.	30.32	14	2 p. m.	29.12
	New Bedford	29.77	8	7 a. m.	30.27	14	2 p. m.	29.04
	Newburyport (*a*)	29.83	6	9 p. m.	30.40	11	7 a. m.	29.15
	Southwick (*a*)	29.82	30	7 a. m.	30.32	14	2 p. m.	29.24
	Westfield	29.75	30	9 p. m.	30.25	14	2 p. m.	29.18
	Williamstown	29.14	29	7 a. m.	29.77	14	9 p. m.	28.52
	Worcester	29.35	30	2 p. m.	29.91	14	2 p. m.	28.73
Rhode Island	Providence (*a*)	29.64	30	10 p. m.	30.22	14	1 p. m.	28.97
Connecticut	New London	29.79	8	7 a. m.	30.30	14	2 p. m.	29.08
	Norwich	29.73	30	9 p. m.	30.24	14	2 p. m.	29.05
	Pomfret	29.23	30	9 p. m.	29.73	14	2 p. m.	28.51
	Wallingford	29.73	30	9 p. m.	30.26	14	2 p. m.	29.13
New York	Blackwell's Island	29.98	3	7 a. m.	30.40	20	2 p. m.	29.27
	Buffalo	29.25	2	9 p. m.	29.68	15	7 a. m.	28.71
	Cazenovia	28.45	3	7 a. m.	28.87	15	2 p. m.	27.94
	Fishkill Landing	30.08	3	7 a. m.	*e* 30.55	14	9 p. m.	*f* 29.55
	Flatbush	29.70	3	7 a. m.	30.21	20	2 p. m.	29.14
	Lowville	----------	30	2 p. m.	29.40	18	7 a. m.	28.42
	McGrawville	28.44	3	7 a. m.	28.82	15	2 p. m.	28.02
	New York city	29.86	3	7 a. m.	30.37	20	2 p. m.	29.21
	Oswego (*a*)	29.17	30	2 p. m.	29.64	15	7 a. m.	28.58
	Ovid	28.76	9	7 a. m.	29.42	14	9 p. m.	28.26
	Penn Yan	29.14	30	2 p. m.	29.52	15	2 p. m.	28.64
	Rochester	29.37	3	7 a. m.	29.80	15	7 a. m.	28.15
	Sag Harbor	29.59	30	9 p. m.	30.11	21	7 a. m.	29.02
	Saratoga (*d*)	29.41	3	2 p. m.	*g* 29.85	14	9 p. m.	28.80
	Spencertown	29.25	3	2 p. m.	29.76	6	2 p. m.	28.76
	Utica	29.30	3	7 a. m.	29.75	14	9 p. m.	28.77
New Jersey	Bloomfield	29.67	3	7 a. m.	30.21	20	2 p. m.	29.06
	Burlington	29.79	3	7 a. m.	30.30	25	2 p. m.	29.24
	Lambertville (*a*)	29.85	3	2 p. m.	30.34	20	2 p. m.	29.29
	Newark (*a*)	29.81	3	7 a. m.	30.30	20	9 p. m.	29.20
Pennsylvania	Berwick (*h*)	29.19	3	7 a. m.	*i* 29.88	21	7 a. m.	28.68
	Cannonsburg	28.71	3	7 a. m.	29.09	5	9 p. m.	28.38
	Carlisle	29.05	3	7 a. m.	29.56	6	7 a. m.	28.64
	Chromedale	29.73	3	7 a. m.	30.27	20	2 p. m.	29.12
	Easton	29.57	3	7 a. m.	30.06	20	2 p. m.	29.06
	Gettysburg	29.34	3	7 a. m.	29.85	6	7 a. m.	28.93
	Harrisburg, [Heisley]	29.64	3	7 a. m.	30.15	21	7 a. m.	29.25
	Harrisburg, [Hickok]	29.60	3	7 a. m.	30.12	6	7 a. m.	*j* 29.20

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 7 a. m. on the 7th.
c Same height at 2 and 9 p. m. on the 22d, at 7 a. m., 2 p. m., and 9 p. m. on the 24th, at 7 a. m., 2 p. m., and 9 p. m. on the 25th.
d Aneroid.
e Same height at 2 p. m. on the 3d.
f Same height at 2 p. m. and 9 p. m. on the 20th.
g Same height at 7 a. m., 2 p. m., and 9 p. m. on the 30th.
h Not corrected for temperature.
i Same height at 2 p. m. on the 3d, at 7 a. m., 2 p. m., and 9 p. m. on the 30th.
j Same height at 7 a. m. on the 21st.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Lewisburg	29.43	3	7 a. m.	29.98	6	7 a. m.	28.99
	Morrisville	29.95	3	7 a. m.	30.50	20	2 p. m.	29.37
	Murrysville	28.69	2	9 p. m.	29.08	15	7 a. m.	28.33
	Nazareth	29.32	3	7 a. m.	*a* 29.77	20	2 p. m.	28.75
	Norristown	29.78	3	7 a. m.	30.32	20	2 p. m.	29.19
	Philadelphia	29.73	3	7 a. m.	30.24	20	2 p. m.	29.16
	Pittsburg, [Wilson]	28.82	2	9 p. m.	29.24	5	9 p. m.	28.58
Delaware	Newark (*b*)	29.65	30	7 a. m.	30.14	20	2 p. m.	29.16
Maryland	Annapolis	29.92	3	7 a. m.	30.43	6	2 p. m.	29.51
	Frederick city	29.63	3	7 a. m.	30.17	6	7 a. m.	29.18
	Ridge (*b*)	29.84	3	7 a. m.	*c* 30.33	15	2 p. m.	29.40
Dist of Columbia	Washington, [Smithsonian Institut'n]	29.93	3	7 a. m.	30.47	15	2 p. m.	29.54
Virginia	Alexandria	29.91	3	7 a. m.	30.41	21	7 a. m.	29.53
	Crack Whip	28.23	3	7 a. m.	28.60	6	7 a. m.	27.86
	Portsmouth	29.90	3	7 a. m.	30.44	6	2 p. m.	29.36
	Rose Hill	29.85	3	7 a. m.	30.37	15	2 p. m.	29.37
	Ruthven	29.59	3	7 a. m.	30.07	15	2 p. m.	29.17
North Carolina	Chapel Hill	29.38	3	7 a. m.	29.76	21	9 p. m.	29.05
	Goldsborough	29.88	3	7 a. m.	30.36	21	2 p. m.	29.49
	Murfreesborough	29.33	3	7 a. m.	29.74	27	2 p. m.	28.99
	Warrenton	29.49	3	7 a. m.	29.97	6	2 p. m.	*d* 29 12
South Carolina	All Saints	29.91	3	7 a. m.	30.31	21	2 p. m.	29.44
	Camden	29.82	3	7 a. m.	30.25	21	2 p. m.	29.39
	Charleston	29.98	3	7 a. m.	30.33	21	2 p. m.	29.56
	Charleston, [Dawson]				30.38			29.66
Georgia	Athens	29.20	3	7 a. m.	29.58	21	2 p. m.	28.80
	Savannah	29.97	3	7 a. m.	30.27	21	2 p. m.	29.58
	The Rock	29.22	3	7 a. m.	29.49	21	2 p. m.	*e* 28.93
Florida	Atsena	29.77	8	2 p. m.	*f* 29.96	12	9 p. m.	29.45
	Jacksonville	30.04	7	9 p. m.	30.28	12	9 p. m.	29.70
	St. Augustine	30.01	8	7 a. m.	30.27	12	9 p. m.	29.64
	Salt Ponds (*g*)	29.66	14	2 p. m.	*h* 29.77	13	7 a. m.	29.48
Alabama	Auburn	29.29	3	7 a. m.	29.52	19	9 p. m.	29.04
	Greensborough	29.59	3	7 a. m.	29.80	18	2 p. m.	29.31
Mississippi	Columbus	29.78	3	7 a. m.	30.03	5	2 p. m.	29.45
	Port Gibson	29.88	6	7 a. m.	30.12	18	7 a. m.	29.62
Louisiana	New Orleans (*b*)	30.25	14	7 a. m.	30.55	5	2 p. m.	?
Texas	New Braunfels (*g*)	28.87	14	7 a. m.	29.28	17	9 p. m.	28.47
	Washington	29.22	6	7 a. m.	29.96	23	2 p. m.	28.99
Tennessee	Glenwood	29.52	3	7 a. m.	29.77	18	7 a. m.	29.11
Kentucky	Millersburg	29.35	12	7 a. m.	*i* 29.57	5	2 p. m.	29.10
	Paris	29.11	2	9 p. m.	29.45	18	7 a. m.	28.77
	Springdale (*b*)	29.35	2	2 p. m.	29.64	18	7 a. m.	28.96
Ohio	Cincinnati, [Harper]	29.45	2	2 p. m.	29.78	18	7 a. m.	29.10
	Cincinnati, [Hurtt]	28.88	2	7 a. m.	29.46	7	2 p. m.	28.52
	Cleveland (*j*)	28.95	2	9 p. m.	29.34	5	2 p. m.	*k* 28.64
	College Hill	29.02	3	7 a. m.	29.36	18	7 a. m.	28.69
	Hillsborough	28.78	2	9 p. m.	29.13	5	2 p. m.	*l* 28.44
	Medina	28.66	2	9 p. m.	29.09	5	7 a. m.	*d* 28.25
	Oberlin	29.03	2	9 p. m.	29.47	15	7 a. m.	28.56
	Urbana	28.66	2	2 p. m.	29.07	15	7 a. m.	*m* 28.43
Michigan	Battle Creek	29.03	2	7 a. m.	29.44	26	2 p. m.	28.73
	Copper Falls Mines	28.64	1	2 p. m.	*n* 29.10	16	7 a. m.	28.15
Indiana	Cannelton (*g*)	29.32	3	7 a. m.	*o* 29.62	18	7 a. m.	29.03
	Evansville *j*)	29.31	2	2 p. m.	29.57	18	7 a. m.	28.95
	Michigan City	29.22	2	7 a. m.	29.59	26	2 p. m.	28.91

a Same height at 9 p. m. on the 30th.
b For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
c Same height at 2 p. m. on the 3d.
d Same height at 2 p. m. on the 15th.
e Same height at 9 p. m. on the 21st.
f Same height at 9 p. m. on the 8th.
g Not corrected for temperature.
h Same height at 2 p. m. on the 15th and 25th.
i Same height at 2 p. m. on the 12th.
j Aneroid.
k Same height at 7 a. m. on the 15th.
l Same height at 7 a. m. on the 18th.
m Same height at 2 p. m. on the 26th.
n Same height at 2 p. m. on the 22d and 9 p. m. on the 1st.
o Same height at 9 p. m. on the 2d.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	New Albany	29.49	2	7 a. m.	29.80	18	7 a. m.	29.06
	New Harmony	29.64	2	7 a. m.	29.95	18	7 a. m.	29.25
	Richmond	28.90	2	2 p. m.	29.24	5	2 p. m.	28.49
Illinois	Batavia (*a*)	29.60	2	4 p. m.	29.95	16	4 p. m.	29.32
	Chicago	29.32	2	7 a. m.	29.73	4	9 p. m.	28.98
	Manchester (*b*)	28.77	2	7 a. m.	29.07	4	9 p. m.	28.44
	Upper Alton	29.45	2	2 p. m.	29.91	7	2 p. m.	29.06
	West Urbana	29.20	2	7 a. m.	29.54	4	9 p. m.	28.91
Missouri	Cape Girardeau (*b*)	29.66	2	Sunrise.	*c* 29.88	17	9 p. m.	29.22
	Palmyra (*b*)	29.36	2	Sunrise.	*c* 29.71	7	3 p. m.	29.00
	St. Louis	29.53	2	7 a. m.	29.86	4	9 p. m.	29.19
Wisconsin	Appleton	28.96	2	7 a. m.	29.36	4	9 p. m.	28.56
	Beloit	29.16	2	7 a. m.	29.51	4	9 p. m.	28.78
	Kenosha (*d*)	29.43	2	7 a. m.	29.80	4	9 p. m.	29.07
	Madison, [Schue]	29.27	2	2 p. m.	29.58	4	9 p. m.	28.90
	Madison, [Sterling]	28.95	2	7 a. m.	29.35	4	9 p. m.	28.55
	Manitowoc (*e*)	29.70	2	7 a. m.	30.11	4	9 p. m.	29.33
	Milwaukee, [Winkler]	29.23	2	7 a. m.	29.65	4	9 p. m.	28.84
	Racine (*e*)	29.16	2	2 p. m.	*f* 29.51	4	9 p. m.	28.80
	Waukesha, [Bean]	29.05	10	7 a. m.	29.61	2	2 p. m.	28.34
Iowa	Muscatine	29.50	2	7 a. m.	29.87	4	2 p. m.	29.13
Utah	Great Salt Lake City (*b*)	25.65	5	3 p. m.	26.02	16	9 p. m.	25.25
California	Sacramento	29.98	1	7 a. m.	30.20	30	9 p. m.	29.80
	San Francisco (*g*)	29.99	1	7 a. m.	30.20	25	7 a. m.	29.79
Mexico	Mirador (*b*)	22.64	------	------	----------	-----	------	------
West Indies	St. George's, Bermuda (*h*)	29.86	4	9½ a. m.	30.15	20	9½ p. m.	29.46
Central America	Guatemala	25.22	------	10 p. m.	25.34	------	3 p. m.	25.10
South America	Catherine Sophia, Surinam (*b* & *g*)	29.62	13	2 p. m.	29.69	8	6 p. m.	29.55
Azores	Horta, Fayal	29.97	11	9 p. m.	30.33	3	7 a. m.	29.43

a Observations taken at 7 a. m., 9 a. m., noon, 4 p. m., and 9 p. m. Aneroid.
b For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
Same height at 9 a. m. on the 2d.
d Observations taken at 7 a. m.
e Not corrected for temperature.
f Same height at 9 p. m. on the 1st.
g Aneroid.
h Observations taken at 9½ a. m. and 3½ p. m.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.58	12	9 a. m.	29.87	15	9 a. m.	29.22
	Montreal	29.84	1	7 a. m.	30.26	10	7 a. m.	29.48
	St. Martin	29.60	1	7 a. m.	30.02	10	7 a. m.	29.32
	St. John's (*a*)	29.61	2	7 a. m.	30.00	11	2 p. m.	*b* 29.21
	Toronto (*a*)	29.53	12	6 a. m.	29.86	5	6 a. m.	29.22
	Windsor	29.91	1	7 a. m.	30.48	11	7 a. m.	29.48
	Wolfville	29.71	1	7 a. m.	30.41	10	9 p. m.	29.18
Maine	Gardiner	29.78	1	7 a. m.	30.24	10	2 p. m.	*c* 29.41
	Portland	29.77	1	7 a. m.	30.24	10	9 p. m.	29.40
	Steuben	29.85	1	2 p. m.	30.40	10	9 p. m.	*d* 29.52
New Hampshire	Concord	29.60	1	7 a. m.	30.06	10	2 p. m.	29.20
	Shelburne	29.73	18	7 a. m.	29.99	10	2 p. m.	29.39
Vermont	Norwich (*e*)	29.57	18	7 a. m.	29.87	10	2 p m.	29.20
	Shelburn	29.72	1	7 a. m.	30.21	29	2 p. m.	29.28
	St. Johnsbury (*f*)	29.27	1	7 a. m.	29.72	10	2 p. m.	28.86
Massachusetts	Amherst	29.70	1	7 a. m.	30.19	10	2 p. m.	29.31
	Bridgewater (*a*)	29.72	1	7 a. m.	30.31	10	9 p. m.	29.37
	Cambridge	29.89	1	7 a. m.	30.42	10	2 p. m.	29.48
	Lawrence	29.82	1	7 a. m.	30.41	10	2 p. m.	29.41
	Nantucket	29.92	1	7 a. m.	30.41	15	9 p. m.	29.53
	New Bedford	29.85	1	7 a. m	30.37	15	9 p. m.	29.51
	Newburyport (*a*)	29.92	1	7 a. m.	30.44	10	2 p. m.	29.49
	Southwick (*a*)	29.91	1	7 a. m.	30.40	10	2 p. m.	29.63
	Westfield	29.78	1	7 a. m.	30.27	10	2 p. m.	*g* 29.45
	Worcester	29.39	1	7 a. m.	29.89	21	2 p. m	29.07
Rhode Island	Providence (*a*)	29.74	1	6 a. m.	*h* 30.24	20	1 p. m.	29.38
Connecticut	New London (*e*)	29.86	1	7 a. m	30.37	20	2 p. m.	29.48
	Norwich	29.80	1	7 a. m.	30.28	15	9 p. m.	*i* 29.48
	Pomfret	29.30	1	7 a. m.	29 79	20	2 p. m.	28.95
	Wallingford	29.80	1	7 a. m.	30.32	20	2 p. m.	29.42
New York	Blackwell's Island	29.91	1	7 a. m.	30.41	20	7 a. m.	29.41
	Buffalo	29.29	------	-------	?	------	-------	?
	Cazenovia	28.41	1	7 a. m.	28.81	15	2 p. m.	28.11
	Fishkill Landing (*j*)	30.18	1	7 a m.	30.60	20	7 a. m.	*k* 29.80
	Flatbush	29.73	1	7 a. m.	30.23	15	2 p. m	29.36
	Lowville	---------	1	7 a. m.	29.35	15	2 p. m.	28.70
	McGrawville	28.49	8	2 p. m.	28.79	15	2 p. m	28.17
	New York city	29.89	1	7 a. m.	30.39	15	2 p. m.	29.48
	Oswego	29.20	12	7 a. m.	29.54	15	2 p. m	28.80
	Ovid	28.81	1	7 a. m.	*l* 29.10	15	2 p. m.	28.42
	Penn Yan (*a*)	29.19	8	2 p. m.	29.47	15	2 p. m.	28.80
	Rochester	29.60	27	2 p. m.	29.78	1	7 a. m.	29.37
	Sag Harbor	29.65	1	2 p. m	30.12	20	2 p. m.	29.25
	Saratoga (*f*)	29.47	1	7 a. m.	29.99	6	2 p. m.	29.12
	Spencertown	29.24	1	7 a. m.	29.80	15	9 p. m.	28.87
	Utica	29.37	1	7 a. m.	29.74	16	2 p. m	28.96
	Waterford	29.80	1	7 a. m.	30.20	5	2 p. m.	29.48
New Jersey	Bloomfield	29.74	1	7 a. m	30.19	15	2 p. m.	29.35
	Burlington	29.80	1	7 a m	30.27	15	9 p. m.	29.45
	Lambertville (*a*)	29.89	1	2 p. m.	30.27	20	7 a. m.	29.53
	Newark (*a*)	29.85	1	7 a. m.	30.34	20	7 a. m.	29.52
Pennsylvania	Berwick (*j*)	29.23	1	7 a. m.	*m* 29.58	15	2 p. m.	28.83
	Cannonsburg	28.70	13	7 a. m.	28.92	4	9 p. m.	28.26
	Carlisle	29.07	1	7 a. m	29.46	15	2 p. m.	28.69
	Chromedale	29.76	1	7 a. m.	30.23	20	7 a. m.	29.38
	Easton	29.58	1	7 a. m.	30.05	15	2 p. m.	29.22

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 p. m. on the 11th.
c Same height at 9 p. m. on the 10th.
d Same height at 7 a. m. on the 30th.
e Incomplete.
f Aneroid.
g Same height at 2 p. m. on the 15th.
h Same height at 1 p. m. on the 1st
i Same height at 9 p. m. on the 20th.
j Not corrected for temperature.
k Same height at 2 p. m. on the 20th.
l Same height at 7 a. m. on the 12th.
m Same height at 7 a m. on the 9th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Gettysburg	29.36	1	7 a. m.	29.76	15	2 p. m.	28.98
	Harrisburg, [Heisely]	29.65	1	7 a. m.	30.08	15	2 p. m.	29.30
	Harrisburg, [Hickok]	29.60	1	7 a. m.	30.04	15	2 p. m.	29.24
	Lewisburg	29.45	1	7 a. m.	29.85	15	2 p. m	29.06
	Morrisville	29.95	1	7 a. m.	30.46	24	2 p. m.	29.40
	Murrysville	28.69	8	7 a. m.	*a* 28.93	4	9 p. m.	28.33
	Nazareth (*b*)	29.37	1	7 a. m.	29.80	15	2 p. m.	28.99
	Norristown	29.81	7	7 a. m.	30.30	15	2 p. m.	29.42
	Philadelphia	29.83	1	7 a. m.	30.19	15	2 p. m.	*c* 29.40
	Pittsburg, [Wilson]	28.91	17	2 p. m.	29.13	4	9 p. m.	28.50
Delaware	Newark	29.73	1	7 a. m.	30.17	16	7 a. m.	29.11
Maryland	Annapolis	29.92	1	7 a m.	30.33	15	2 p. m.	29.55
	Frederick	29.64	1	7 a. m.	30.05	15	2 p. m.	29.25
	Ridge (*b*)	29.83	1	7 a. m.	30.22	15	1 p. m.	29.42
Dist. of Columbia	Washington, [Smithsonian Institution]	29.93	1	7 a. m.	30.36	15	2 p. m.	29.51
Virginia	Alexandria	29.90	1	7 a. m.	30.28	15	2 p. m.	29.54
	Crack Whip	28.38	1	7 a. m.	28.55	4	9 p. m.	27.97
	Portsmouth	29.90	1	7 a. m.	30.27	15	2 p. m.	29.52
	Rose Hill	29.86	1	7 a. m.	30.24	15	2 p. m.	29.39
	Ruthven	29.59	9	7 a. m.	30.02	15	2 p. m.	29.22
North Carolina	Chapel Hill	29.39	1	7 a. m.	29.63	15	2 p. m.	29.11
	Murfreesborough	29.22	13	7 a. m.	29.60	15	2 p. m.	28.83
	Warrenton	29.49	1	7 a. m.	29.82	15	2 p. m.	29.19
South Carolina	All Saints	29.89	9	7 a. m.	*e* 30.11	19	7 a. m.	29.63
	Camden	29.79	9	7 a. m.	30.06	15	2 p. m.	29.57
	Charleston, [Johnson]	29.98	9	7 a. m.	30.19	19	2 p. m.	29.69
	Charleston, [Dawson]	------	------	------	30.29	------	------	29.88
Georgia	Athens	29.19	9	7 a. m.	29.46	4	7 a. m	28.85
	Savannah	29.96	8	9 p. m.	30.15	18	9 p. m.	29.70
	The Rock	29.17	9	7 a. m.	29.36	4	7 a. m.	28.86
Florida	Atsena	29.81	24	7 a. m.	29.93	18	9 p. m.	29.61
	Jacksonville	30.02	24	7 a. m.	30.17	18	2 p. m.	29.79
	St. Augustine	30.07	24	7 a. m.	30.24	19	2 p. m.	29.87
	Salt Ponds (*d*)	29.65	13	2 p. m.	29.77	4	7 a. m.	29.57
	Warrington	29.93	9	7 a. m.	*f* 30.11	3	9 p. m.	29.58
Alabama	Auburn	29.26	9	7 a. m.	29.51	3	9 p. m.	29.00
	Greensborough	29.54	9	7 a. m.	29.75	3	9 p. m.	29.14
Mississippi	Columbus	29.71	20	7 a. m.	29.98	3	9 p. m.	29.41
Texas	New Braunfels (*d*)	28.70	19	7 a. m.	29.02	29	9 p. m.	*g* 28.49
	Washington	29.17	30	7 a. m.	29.39	21	7 a. m.	28.95
Tennessee	Glenwood	29.45	20	7 a. m.	29.69	4	7 a. m.	28.94
Kentucky	Millersburg	29.21	9	2 p. m.	29.38	5	2 p. m.	28.80
	Paris	29.06	8	7 a. m.	29.30	4	2 p. m.	28.58
	Springdale (*b*)	29.29	8	7 a. m.	29.55	3	2 p. m.	28.84
Ohio	Cincinnati, [Harper]	29.41	12	7 a. m.	29.65	4	2 p. m.	28.91
	Cincinnati, [Hurtt]	28.79	12	7 a. m.	29.27	14	9 p. m.	28.26
	Cleveland (*h*)	28.94	12	7 a. m.	29.20	4	9 p. m.	28.60
	College Hill	29.00	12	7 a. m.	29.22	4	2 p. m.	28.48
	Hillsborough	28.76	8	7 a. m.	28.99	4	2 p. m.	28.30
	Medina	28.67	12	7 a. m.	28.96	4	2 p. m.	28.30
	Oberlin	29.02	12	7 a. m.	29.31	4	2 p. m.	28.61
	Urbana	28.64	12	9 p. m.	28.92	4	2 p. m.	28.19
Michigan	Battle Creek	29.02	11	7 a. m.	29.34	4	9 p. m.	28.61
	Copper Falls Mines	28.68	19	9 p. m.	29.13	9	2 p. m.	28.23
Indiana	Evansville (*h*)	29.29	7	2 p m.	*i* 29.47	4	7 a. m.	28.79
	Michigan City	29.19	17	7 a. m.	29.49	14	2 p. m.	28.84

a Same height at 7 a. m. on the 12th.
b For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
c Same height at 7 a. m. on the 20th.
d Not corrected for temperature.
e Same height at 2 p. m. on the 13th.
f Same height at 2 p. m. on the 9th.
g Same height at 2 and 9 p. m. on the 30th.
h Aneroid.
i Same height at 9 p. m. on the 20th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Indiana	New Albany	29.44	11	7 a. m.	29.67	4	2 p. m.	28.81
	New Harmony	29.56	20	7 a. m.	29.81	4	2 p. m.	29.03
	Richmond	28.87	12	7 a. m.	29.10	4	2 p. m	28.35
Illinois	Batavia (*a*)	29.67	20	12 m.	30.00	30	9 p. m.	*b* 29.10
	Chicago	29.08	17	7 a. m	*c* 29.65	14	7 a. m	28.89
	Manchester (*d*)	28.71	20	7 a. m.	29.03	30	1 p. m.	28.36
	Upper Alton	29.37	20	7 a. m	29.69	30	2 p. m.	28.99
	West Urbana	29.15	19	9 p. m.	29.43	4	2 p. m.	28.75
Missouri	Cape Girardeau (*d*)	29.49	22	9 a. m.	29.71	12	3 p. m.	29.28
	Palmyra (*d*)	29.41	20	9 a. m.	29.66	13	9 p. m.	28.98
	St. Joseph (*d*)	29.00	21	9 a. m.	29.35	31	Sunrise.	28.54
	St Louis	29.44	20	2 p. m.	29.72	30	2 p. m.	29.02
Wisconsin	Appleton	28.92	17	7 a. m	29.34	9	2 p. m.	28.60
	Beloit	29.07	17	7 a. m	29.43	14	7 a. m.	28.70
	Kenosha, (*e*)	29.41	16	7 a. m.	29.74	13	7 a. m.	29.03
	Madison, [Schue] (*f*)	29.25	17	7 a m	*g* 29.55	31	7 a. m.	28.90
	Madison, [Sterling]	28.91	16	7 a m.	29.34	14	7 a. m.	28.50
	Manitowoc (*f*)	29.67	17	7 a. m.	30.05	14	7 a. m.	*h* 29.31
	Milwaukee, [Winkler]	29.21	11	7 a. m.	29.61	26	2 p. m.	28.82
	Racine (*f*)	29.09	10	9 p. m.	29.46	14	7 a. m.	28.75
	Waukesha, [Bean] (*i*)	29.08	11	2 p. m.	*j* 29.47	1	7 a. m.	28 35
Iowa	Fairfield	29.08	1	7 a. m.	29.45	30	2 p. m.	28.62
	Mount Vernon	28.39	17	7 a. m.	28.96	25	7 a. m.	27.91
	Muscatine	29.44	16	2 p. m.	*k* 29.75	14	2 p. m.	29.06
Utah	Great Salt Lake City (*d*)	25.62	25	9 a. m.	25.90	7	Sunrise	25.15
California	Sacramento	29.94	21	2 p. m.	30.14	5	2 p. m.	29.71
	San Francisco (*l*)	29.98	21	2 p. m	30.19	25	9 p. m	29.82
Mexico	Mirador (*d*)	22.68	------	------	------	------	------	------
	Vera Cruz (*d*)	29.82	21	10 p. m.	30.02	1	7 p. m.	29.56
West Indies	St. George's, Bermuda (*m*)	29.93	26	9½ p. m.	30.09	------	------	------
Central America	Guatemala	25.21	------	10 p. m.	25.29	------	3 p. m.	25.08
South America	Catharina Sophia, Surinam (*d* & *l*)	29.64	12	6 a. m.	*n* 29.71	5	2 p m.	29.54
Azores	Horta, Fayal	29.85	17	9 p. m.	30.11	4	7 a. m	29.56

a Observations taken at 7 and 9 a. m., noon, and 4 and 9 p. m. Aneroid.
b Same height at 7 a. m., 9 a. m., 12 m., and 4 and 9 p. m. on the 31st.
c Same height at 7 a. m. on the 18th.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
e Observations taken at 7 a. m. and 9 p. m.
f Not corrected for temperature.
g Same height at 2 p. m. on the 20th and 21st.
h Same height at 7 a. m. on the 27th.
i Observations taken at 7 a. m. and 2 p. m.
j Same height at 7 a. m. on the 20th.
k Same height at 9 p. m. on the 19th, and 7 a. m. on the 20th.
l Aneroid.
m Same height at 3¾ a. m. on the 27th.
n Same height at 6 a. m. and 2 p. m. on the 13th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.46	25	9 a. m.	29.74	11	9 a. m.	29.03
	Montreal	29.71	16	7 a. m.	30.44	12	7 a. m.	29.16
	St. John's (*a*)	29.29	20	2 p. m.	29.77	15	2 p. m	28.90
	St. Martin	29.57	28	7 a. m.	29.83	11	9 p. m.	28.94
	Toronto (*a*)	29.43	15	6 a. m.	*b* 29.69	11	2 p. m.	28.97
	Windsor	29.72	19	9 p. m.	30.09	12	2 p. m.	29.37
	Wolfville	29.55	19	9 p. m.	30.02	12	2 p. m.	29.08
Maine	Gardiner	29.62	17	9 p. m.	29.87	12	7 a. m.	29.14
	Portland	29.64	17	9 p. m.	29.89	12	7 a. m.	29.10
	Steuben	29.70	18	7 a. m.	*c* 30.00	12	7 a. m.	29.20
New Hampshire	Concord	29.42	9	7 a. m.	29.65	12	7 a. m.	28.88
	Shelburne	29.61	9	7 a. m.	29.85	12	7 a. m.	29.12
Vermont	Norwich	29.47	16	7 a. m.	29.68	11	9 p. m.	28.97
	Shelburn	29.50	16	2 p. m.	29.75	11	9 p. m.	28.80
	St. Johnsbury (*d*)	29.12	20	2 p. m.	29.37	12	7 a. m.	28.57
Massachusetts	Amherst	29.58	9	2 p. m.	29.86	11	9 p. m.	29.03
	Cambridge	29.76	9	7 a. m.	30.01	12	7 a. m.	29.28
	Lawrence	29.69	9	2 p. m.	29.98	12	7 a. m.	29.14
	Nantucket	29.80	9	2 p. m.	30.02	11	9 p. m.	29.36
	New Bedford	29.73	9	7 a. m.	*e* 29.94	11	9 p. m.	29.26
	Newburyport	29.80	9	2 p. m.	30.04	11	9 p. m.	29.27
	Westfield	29.70	9	7 a. m.	*f* 29.89	11	2 p. m.	29.23
	Williamstown	29.08	9	7 a. m.	29.30	11	9 p. m.	28.58
	Worcester	29.28	8	2 p. m.	29.50	22	2 p. m.	29.03
Rhode Island	Providence (*a*)	29.59	8	10 p. m.	*g* 29.81	11	10 p. m.	29.09
Connecticut	New London (*h*)	29.74	8	9 p. m.	30.18	11	9 p. m.	29.23
	Norwich	29.69	9	9 p. m.	29.92	11	9 p. m	29.20
	Pomfret	29.16	15	2 p. m.	29.42	11	9 p. m.	28.69
	Wallingford	29.70	9	7 a. m.	*e* 29.91	11	9 p. m.	29.16
New York	Blackwell's Island	29.82	15	7 a. m.	30.05	11	2 p. m.	29.33
	Cazenovia	28.39	15	7 a. m.	*i* 28.63	11	9 p. m.	27.87
	Flatbush	29.63	9	9 p. m.	29.87	11	2 p. m.	29.18
	Lowville	----------	15	9 p. m.	29.28	11	9 p. m.	28.36
	McGrawville	28.41	15	2 p. m	28.59	11	2 p. m.	27.97
	New York city	29.85	24	7 a. m.	29.97	11	9 p. m.	29.33
	Oswego	29.10	15	7 a. m.	29.46	11	9 p. m.	28.53
	Ovid	28.71	24	7 a. m.	28.95	11	2 p. m.	28.14
	Penn Yan	29.11	25	Sunset.	29.39	11	2 p. m.	28.57
	Rochester	29.27	24	7 a. m.	29.52	11	2 p. m.	28.67
	Sag Harbor	29.53	8	9 p. m.	29.71	11	7 a. m.	29.28
	Saratoga (*d*)	29.40	28	9 p. m.	29.60	11	2 p. m.	*j* 28.80
	Spencertown	29.12	15	2 p. m.	29.32	11	9 p. m.	28.54
	Utica	29.24	15	7 a. m.	29.48	11	9 p. m.	28.66
	Waterford	29.66	9	7 a. m.	29.87	11	9 p. m.	29.09
New Jersey	Bloomfield	29.63	15	7 a. m.	29.85	11	9 p. m.	29.11
	Burlington	29.63	15	7 a. m.	29.84	11	2 p. m.	29.19
	Lambertville (*a*)	29.81	15	7 a. m.	*k* 29.97	11	2 p. m.	29.35
	Newark (*a*)	29.74	15	7 a. m.	29.97	11	9 p. m.	29.33
Pennsylvania	Berwick	29.10	24	7 a. m.	29.32	11	2 p. m.	28.60
	Cannonsburg	28.64	24	7 a. m.	*l* 28.89	7	2 p. m.	28.03
	Carlisle	29.00	24	2 p. m.	*m* 29.29	11	2 p. m.	28.55
	Chromedale	29.67	21	7 a. m.	29.90	11	2 p. m.	29.17
	Easton	29.48	20	7 a. m.	29.68	11	2 p. m.	29.00
	Gettysburg	29.27	24	7 a. m.	29.54	11	2 p. m.	28.78
	Harrisburg, [Heisely]	29.56	24	7 a. m.	29.81	11	2 p. m.	29.09
	Harrisburg, [Hickok]	29.51	24	7 a. m.	29.79	11	2 p. m.	29.01

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 6 a. m. on the 24th.
c Same height at 2 p. m. on the 18th.
d Aneroid.
e Same height at 2 p. m. on the 9th.
f Same height at 9 p. m. on the 8th and 9th.
g Same height at 6 a. m. and 1 p. m. on the 9th.
h Incomplete.
i Same height at 7 a. m. on the 24th.
j Same height at 9 p. m. on the 11th.
k Same height at 7 a. m. on the 16th.
l Same height at 7 a. m. on the 25th.
m Same height at 9 p. m. on the 24th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Lewisburg	29.36	24	7 a. m.	29.62	11	2 p. m.	28.80
	Morrisville	29.85	24	7 a. m.	30.06	11	2 p. m.	29.35
	Murrysville	28.63	24	7 a. m.	28.89	11	7 a. m.	28.20
	Nazareth (*a*)	29.23	15	7 a. m.	29.45	11	2 p. m.	28.73
	Norristown	29.72	15	7 a. m.	30.07	11	2 p. m.	29.16
	Philadelphia	29.81	24	2 p. m.	29.89	11	2 p. m.	29.18
	Pittsburg, [Wilson]	28.79	24	7 a. m.	*b* 29.03	11	7 a. m.	28.36
Delaware	Newark	29.64	21	9 p. m.	*c* 29.86	11	2 p m.	29.12
Maryland	Annapolis	29.84	24	7 a. m.	30.13	11	2 p. m.	29.38
	Frederick	29.56	24	7 a. m.	29.85	11	2 p. m.	29.11
	Ridge (*a*)	29.75	24	2 p. m.	29.99	11	2 p. m.	29 32
Dist. of Columbia	Washington, [Smithsonian Institution]	29.84	25	7 a. m.	30.07	11	2 p. m.	29.38
Virginia	Alexandria	29.81	24	7 a. m.	30.09	11	2 p. m.	29.38
	Berryville	29.27	24	7 a. m.	29.55	11	7 a. m.	28.84
	Crack Whip	28.28	24	7 a. m.	28.49	11	2 p. m.	27.89
	Portsmouth	29.86	24	7 a. m.	*d* 30.07	11	2 p. m.	29.45
	Rose Hill	29.78	24	7 a. m.	30.04	11	2 p. m.	29.35
	Ruthven (*a*)	29.55	24	7 a. m.	29.75	29	2 p. m.	*e* 29.36
North Carolina	Chapel Hill	29.34	24	9 p. m.	29.53	11	9 p. m.	29.09
	Murfreesborough	29.04	24	7 a. m.	29.31	11	2 p. m.	28.75
	Warrenton	29.43	25	7 a. m.	29.65	11	2 p. m.	29.11
South Carolina	All Saints	29.88	24	2 p. m.	30.03	11	2 p. m.	29.59
	Camden	29.77	24	7 a. m.	29.96	11	2 p. m.	29.47
	Charleston	29.97	24	9 p. m.	30.11	11	2 p. m.	29.70
	Charleston, [Dawson]				30.25			29.83
Georgia	Athens	29.19	15	7 a. m.	29.36	11	2 p. m.	28.96
	Savannah	29.95	14	7 a. m.	30.10	11	2 p. m.	29.65
	The Rock	29.18	23	7 a. m.	29.30	11	2 p. m.	28.96
Florida	Jacksonville	30.01	14	7 a. m.	30.21	11	2 p. m.	29.76
	St. Augustine	30.08	14	7 a. m.	30.26	11	2 p. m.	29.84
	Salt Ponds (*f*)	29.70	14	2 p. m.	29.81	3	7 a. m	29.57
	Warrington	29.94	9	2 p. m.	*g* 30.08	11	9 p. m.	29.74
Alabama	Auburn	29.27	15	7 a. m.	29.46	11	2 p. m.	29.10
	Greensborough	29.56	15	7 a. m.	29.52	11	2 p. m.	29.40
Mississippi	Columbus	29.74	15	7 a. m.	29.89	11	2 p. m.	29.61
Texas	New Braunfels (*f*)	29.63	17	7 a. m.	28.83	7	9 p. m.	28.50
	Washington	29.13	11	9 p. m.	*h* 29.26	17	7 a. m.	29.01
Tennessee	Glenwood	29.45	23	7 a. m.	29.61	10	9 p. m.	29.27
Kentucky	Paris	29.06	24	2 p. m.	29.36	11	7 a. m.	28.82
	Springdale (*a*)	29.29	23	5 a. m.	29.51	11	5 a. m.	29.05
Ohio	Cincinnati, [Harper]	29.38	23	7 a. m.	*i* 29.59	10	9 p. m.	29.13
	Cleveland (*j*)	28.88	25	7 a. m.	29.12	11	7 a. m.	28.54
	College Hill	28.96	24	7 a. m.	29.20	10	9 p. m.	28.71
	Hillsborough	28.74	24	7 a. m.	28.98	11	7 a. m.	28.47
	Medina	28.61	25	7 a. m.	28.89	11	7 a. m.	28.29
	Oberlin	28.96	24	7 a. m.	29.22	11	7 a. m.	28.61
	Urbana (*k*)	28.54	6	7 a. m.	*l* 28.73	11	7 a. m.	28.32
Michigan	Battle Creek	28.94	25	7 a. m.	29.23	16	2 p. m.	28.69
	Copper Falls Mines	28.55	25	7 a. m	28.86	19	7 a. m.	28.10
Indiana	Evansville (*j*)	29.29	23	2 p. m.	*m* 29.46	1	7 a. m.	*n* 29.10
	Michigan City	29.72	23	7 a. m.	29.33	1	7 a. m.	28.81
	New Albany	29.38	23	7 a. m.	29.58	12	2 p. m.	*o* 29.21
	New Harmony	29.54	24	7 a. m.	29.72	12	2 p. m.	29.28
	Richmond	28.84	25	7 a. m.	29.04	10	9 p. m.	28.58
Illinois	Batavia (*j*)	29.70	5	9 a. m.	*p* 29.90	1	6 a. m.	*q* 29.40

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 7 a. m. on the 26th.
c Same height at 7 a. m. on the 24th.
d Same height at 2 p. m. and 9 p. m. on the 21th.
e Same height at 2 p. m. on the 30th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 15th.
h Same height at 9 p. m. on the 24th.
i Same height at 7 a. m. on the 25th.
j Aneroid.
k For the first 20 days of the month only.
l Same height at 9 p. m. on the 14th.
m Same height at 2 p. m. on the 24th
n Same height at 9 p. m. on the 10th.
o Same height at 9 p. m. on the 12th.
p Same height at 12 m. on the 5th.
q Same height at 9 a. m., 12 m., and 4 p. m. on the 1st.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Illinois	Chicago	29.21	5	2 p. m.	*a* 29.46	11	2 p. m.	28.91
	Manchester (*b*)	28.65	5	1 p. m.	28.89	7	9 p. m.	*c* 28.41
	Upper Alton	29.34	22	7 a. m.	29.55	7	2 p. m.	29.11
	West Urbana	29.10	24	9 p. m	29.36	16	2 p. m	28.83
Missouri	Cape Girardeau (*d*)	29.49	22	9 a m.	29.71	12	3 p. m.	29.28
	Palmyra (*d*)	29.26	5	9 a. m.	*e* 29.49	7	3 p. m.	28.95
	St. Joseph (*d*)	28.87	21	Sunrise.	29.42	8	3 p. m.	28.56
	St. Louis	29.41	29	7 a. m.	29.63	12	2 p m.	*f* 29.18
Wisconsin	Appleton	28.81	5	2 p. m.	*g* 29.05	19	9 p. m	28.52
	Beloit	28.99	5	2 p. m.	29.26	12	7 a. m.	28.66
	Kenosha (*h*)	29.30	24	2 p. m.	*a* 29.55	1	7 a. m.	29.02
	Madison, [Sterling]	28.85	25	7 a. m.	29.18	7	2 p. m.	28.46
	Manitowoc (*b*)	29.56	25	7 a. m	29.84	19	2 p. m.	29.23
	Milwaukee, [Winkler]	29.11	25	7 a. m.	29.38	12	2 p. m.	28.81
Iowa	Fairfield	29.08	7	7 a. m.	29.75	12	2 p. m.	28.81
	Muscatine	29.41	5	7 a. m.	*i* 29.69	7	9 p. m.	29.14
Utah	Great Salt Lake City (*d*)	25.60	16	9 a. m.	*j* 25.93	6	9 p. m.	25.31
California	Sacramento	29.85	9	2 p. m.	30.05	12	9 p. m.	29.64
	San Francisco	29.91	10	2 p. m.	30.09	13	9 p m.	29.71
Mexico	Mirador (*d*)	22.60	------	------	------	------	------	------
	Vera Cruz (*d*)	29.82	21	10 p. m.	29.80	7	6 p. m.	29.64
West Indies	St. George's, Bermuda (*k*)	29.94	20	9½ p. m.	30.15	5	9½ a. m.	29.39
Central America	Gautemala	25.20	------	9 a. m.	25.29	------	3 p. m.	25.10
South America	Catharina Sophia, Surinam (*l*)	29.63	21	6 p. m.	29.71	11	6 p. m.	29.55
Azores	Horta, Fayal	29.87	8	2 p. m.	*m* 30.28	3	9 p. m.	29.43
New Grenada	Bogota (*d*)	22.13	21	10 a. m.	22.20	10	4 p. m.	22.05

a Same height at 7 a m. on the 25th.
b Not corrected for temperature.
c Same height at 7 a. m. on the 12th.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
e Same height at 9 a. m. on the 30th.
f Same height at 9 p. m. on the 12th.
g Same height at 9 p. m. on the 24th.
h Observations taken at 7 a. m.
i Same height at 2 p. m on the 5th.
j Same height at 9 p. m. on the 8th.
k Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
l For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Aneroid.
m Same height at sunrise on the 17th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.67	9	9 a. m.	*b* 29.88	19	9 p. m.	29.36
	Montreal	29.90	10	7 a. m.	30.17	19	9 p. m.	29.55
	St. John's (*a*)	29.48	24	7 a. m.	29.84	7	9 p. m.	28.95
	St. Martin	29.76	2	2 p. m.	30.00	20	2 p. m.	29.43
	Toronto (*a*)	29.59	10	6 a. m.	*c* 29.83	20	2 p. m.	29.25
	Wolfville	29.57	10	7 a. m.	30.06	21	2 p. m.	29.12
Maine	Gardiner	29.79	10	7 a. m.	30.04	20	9 p. m.	*d* 29.51
	Portland	29.91	10	7 a. m.	30.19	4	7 a. m.	29.54
	Steuben	29.91	10	7 a. m.	30.10	7	9 p. m.	29.59
New Hampshire	Concord	29.60	10	7 a. m.	29.87	21	7 a. m.	29.26
	Shelburne	29.80	10	7 a. m.	30.09	20	2 p. m	*e* 29.52
Vermont	Norwich	29.65	10	7 a. m.	29.92	20	2 p. m.	29.31
	Shelburn	29.76	10	2 p. m	30.03	21	2 p. m.	29.34
	St. Johnsbury (*f*)	29.36	26	7 a. m.	29.57	20	2 p. m.	29.00
Massachusetts	Amherst	29.76	9	9 p. m.	30.07	21	2 p. m.	29.38
	Boston (*a*)	.....	1	Sunrise.	29.92	.....	.....	.....
	Cambridge	29.95	10	7 a. m.	30.21	21	2 p. m	29.61
	Lawrence	29.88	10	7 a. m.	30.14	21	2 p. m	29.53
	Nantucket	29.98	10	7 a. m.	30.24	21	9 p. m.	29.66
	New Bedford	29.92	10	9 p. m.	30.17	21	9 p. m.	29.57
	Newburyport (*a*)	29.99	9	9 p. m.	30.20	21	9 p. m	29.65
	Princeton	28.88	3	2 p. m.	29.33	23	2 p. m.	28.53
	Westfield	29.87	10	7 a. m.	30.18	21	2 p. m.	29.52
	Williamstown	29.27	10	7 a. m.	29.54	20	2 p. m.	28.91
	Worcester	29.44	10	7 a. m.	29.74	21	7 a. m.	29.04
Rhode Island	Providence (*a*)	29.79	10	6 a. m.	30.07	21	1 p. m.	29.45
Connecticut	Norwich	29.86	10	9 p. m.	30.14	21	2 p. m.	29.54
	Pomfret	29.39	10	7 a. m.	29.66	21	2 p. m.	29.06
	Wallingford	29.87	10	7 a. m.	30.16	21	2 p. m.	29.50
New York	Blackwell's Island	29.98	10	7 a. m.	30.29	21	2 p. m.	29.60
	Cazenovia	28.58	10	7 a. m.	28.80	21	7 a. m.	28.23
	Flatbush	29.78	10	7 a. m.	30.06	21	2 p. m.	29.43
	Lowville	.....	9	2 p. m	29.34	21	7 a. m.	28.77
	McGrawville	28.55	10	7 a m	28.76	21	2 p. m	28.26
	New York city	29.94	26	7 a. m.	30.17	20	2 p. m.	29.55
	Oswego	29.30	10	7 a. m.	29.53	21	7 a. m.	28.93
	Ovid	28.87	10	7 a. m.	29.09	21	7 a. m.	*g* 28.55
	Penn Yan (*a*)	29.31	26	2 p. m	29.51	20	Sunset.	*h* 29.02
	Rochester	29.43	10	7 a. m.	29.69	21	7 a. m.	29.08
	Sag Harbor	29.67	10	7 a. m.	29.97	21	2 p. m.	29.32
	Saratoga (*f*)	29.66	10	7 a. m.	29.90	21	2 p. m.	*i* 29.30
	Spencertown	29.29	10	7 a. m	29.56	21	7 a m	28.93
	Waterford	29.82	10	7 a. m.	30.10	20	2 p. m.	29.45
New Jersey	Bloomfield	29.83	26	7 a. m.	30.12	20	9 p. m.	29.37
	Burlington	29.78	10	7 a. m.	30.05	21	9 p. m.	29.44
	Lambertville	29.97	10	7 a. m.	30.23	21	2 p. m.	29.64
	Newark (*a*)	29.91	10	7 a. m.	30.21	20	6 p. m.	29.60
Pennsylvania	Berwick	29.28	10	7 a. m.	*j* 29.59	21	2 p. m.	28.86
	Cannonsburg	28.77	10	2 p. m.	*j* 28.97	20	9 p. m.	28.48
	Chromedale	29.83	10	7 a. m.	30.11	21	2 p m.	29.45
	Easton	29.48	10	7 a. m	29.76	21	2 p. m.	29.13
	Gettysburg	29.43	10	7 a. m.	*k* 29.69	21	2 p. m.	*e* 29.10
	Harrisburg, [Heisely]	29.72	10	2 p. m.	29.97	21	7 a. m.	29.39
	Harrisburg, [Hickok]	29.67	10	7 a. m.	29.95	20	9 p. m.	29.34
	Lewisburg	29.52	10	7 a. m.	29.78	20	2 p. m.	29.21
	Morrisville	29.99	10	2 p. m.	30.25	21	2 p. m.	29.63
	Murrysville	28.77	10	7 a. m.	28.98	20	2 p. m.	28.50

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 a. m. on the 10th and 11th.
c Same height at 2 p. m. on the 9th.
d Same height at 2 p. m. on the 20th and 21st.
e Same height at 9 p. m. on the 26th.
f Aneroid.
g Same height at 2 p. m. on the 20th.
h Same height at sunrise on the 21st.
i Same height at 9 p. m. on the 21st.
j Same height at 7 a. m. on the 11th.
k Same height at 2 p. m. on the 11th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Nazareth (*a*)	29.39	10	7 a. m.	29.69	21	2 p. m.	29.03
	Norristown	29.86	10	7 a. m.	30.17	20	9 p. m.	29.45
	Philadelphia	29.84	10	7 a. m.	30.07	21	2 a. m.	29.47
	Pittsburg, [Wilson] (*b*)	28.91	10	7 a. m	29.12	20	9 p. m.	28.65
	West Chester	29.38	10	7 a. m.	*c* 29.62	21	2 p. m.	29.04
Delaware	Newark	29.78	10	7 a. m.	30.04	21	2 p. m.	29.44
Maryland	Annapolis	29.94	10	7 a. m.	30.23	21	2 p. m.	29.66
	Chestertown	30.01	10	7 a. m.	30.28	20	2 p. m.	29.55
	Frederick	29.71	10	7 a. m.	29.96	21	2 p. m.	29.36
Dist. of Columbia	Washington, [Smithsonian Institution]	29.95	10	7 a. m	30.25	21	2 p. m.	*d* 29.39
Virginia	Alexandria	29.96	10	7 a. m.	*e* 30.19	21	2 p. m.	29.64
	Berryville	29.42	10	7 a. m.	29.66	21	2 p. m.	29.10
	Crack Whip	28.42	10	2 p. m.	28.64	21	7 a. m.	28.12
	Portsmouth	29.96	26	9 p. m.	30.23	21	2 p. m.	29.55
	Rose Hill	29.93	26	7 a. m.	30.17	21	7 a. m.	*f* 29.59
	Ruthven	29.66	26	9 p. m.	29.90	21	2 p. m.	29.35
North Carolina	Ashville (*a*)	27.70	26	7 a. m.	27.90	1	2 p. m.	27.48
	Chapel Hill	29.42	26	2 p. m.	29.63	21	2 p. m	29.16
	Murfreesborough	29.14	26	9 p. m.	29.33	21	2 p. m.	28.85
	Warrenton	29.54	27	7 a. m.	29.79	21	2 p. m.	29.25
South Carolina	All Saints	29.94	26	9 p. m.	30.18	1	7 a. m.	*g* 29.70
	Camden	29.83	26	9 p. m.	30.08	1	2 p. m	*h* 29.57
	Charleston, [Dawson]	----------	------	--------	30.38	------	--------	29.91
	Charleston, [Johnson]	30.04	27	7 a. m.	30.27	1	2 p. m.	*h* 29.80
Georgia	Athens (*a*)	29.25	27	7 a. m.	29.46	1	2 p. m.	29.01
	Savannah	30.01	26	9 p. m.	30.22	2	2 p. m.	29.77
	The Rock	29.24	11	7 a. m.	*i* 29.38	21	2 p. m	29.06
Florida	Atsena	29.88	30	2 p. m.	30.02	3	7 a. m.	*j* 29.66
	Jacksonville	30.03	12	7 a. m.	*k* 30.21	1	2 p. m.	29.75
	St. Augustine	30.12	27	7 a. m	30.31	2	7 a. m.	*l* 29.87
	Salt Ponds (*m*)	29.70	30	2 p. m.	29.83	4	7 a. m.	29.40
	Warrington	30.00	11	7 a. m.	30.13	3	2 p. m.	29.84
Alabama	Auburn	29.32	12	7 a. m.	29.48	1	2 p m.	29.14
	Greensborough (*a*)	29.63	12	7 a m.	29.76	2	2 p. m	29.50
Mississippi	Columbus	29.80	6	7 a. m.	*n* 29.96	16	2 p. m.	*o* 29.64
Texas	New Braunfels (*m*)	29.61	6	7 a. m.	28.82	20	9 p. m.	*p* 28.50
Tennessee	Glenwood	29.54	7	7 a. m.	29.71	21	2 p. m.	29.35
Kentucky	Paris	29.15	6	7 a. m.	29.30	20	2 p. m.	28.90
	Springdale (*a*)	29.39	6	7 a. m.	*q* 29.58	20	2 p. m.	29.16
Ohio	Bowling Green (*a*)	29.18	6	2 p. m.	*r* 29.42	21	Sunrise.	28.90
	Cincinnati, [Harper]	29.47	7	7 a. m.	29.67	20	9 p m.	29.24
	Cleveland (*s*)	28.92	11	7 a. m	29.19	20	9 p. m.	28.72
	Hillsborough	29.84	11	7 a. m	29.05	20	2 p. m.	28.55
	Medina	28.78	10	9 p. m	28.95	20	9 p. m.	28.50
	Oberlin	29.10	10	7 a. m.	29.29	20	2 p. m.	28.78
Michigan	Battle Creek	29.09	5	2 p. m.	29.30	20	2 p. m.	28.85
	Copper Falls Mines	28.78	2	2 p. m.	29.09	8	2 p. m.	*t* 28.49
	New Buffalo (*a*)	29.31	5	7 a. m.	*u* 29.53	20	1 p. m.	*d* 29.09
Indiana	Evansville	28.82	7	7 a. m.	28.98	20	9 p. m.	28.57
	Michigan City	29.24	5	2 p. m.	29.47	20	2 p. m.	29.04
	New Harmony	29.64	6	7 a. m.	29.81	20	2 p. m.	29.40
	Richmond	28.95	10	7 a. m.	29.11	20	2 p. m	28.67

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Incomplete.
c Same height at 2 p. m. on the 10th.
d Same height at 9 p. m. on the 20th
e Same height at 7 a. m. on the 26th.
f Same height at 2 p. m. on the 21st.
g Same height at 7 a. m. on the 2d and 9 p. m. on the 1st.
h Same height at 9 p. m. on the 1st.
i Same height at 7 a. m. on the 12th and 13th, at 9 p. m. on the 25th, at 7 a. m. on the 26th, at 7 a. m., 2 p. m., and 9 p. m. on the 27th, and at 7 a. m. on the 28th.
j Same height at 7 a. m. on the 24th.
k Same height at 7 a. m. on the 27th and 28th.
l Same height at 2 p. m. and 9 p. m. on the 2d.
m Not corrected for temperature.
n Same height at 7 a m. on the 7th.
o Same height at 9 p. m. on the 16th.
p Same height at 2 p. m. and 9 p. m. on the 24th.
q Same height at 9 p. m. on the 10th.
r Same height at sunrise on the 11th.
s Aneroid.
t Same height at 7 a. m. on the 19th.
u Same height at 1 p. m. on the 5th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Illinois	Batavia (*a*)	29.87	9	12 m.	*b* 30.05	21	6 a. m	29.67
	Manchester (*c*)	28.75	6	7 a. m.	28.96	16	9 p. m.	28.56
	West Urbana	29.22	6	2 p. m.	29.41	20	2 p. m.	29.02
Missouri	Cape Giradeau (*c*)	29.57	6	9 a. m.	29.77	20	9 p. m.	*d* 29.38
	Palmyra (*c*)	29.37	5	3 p. m.	29.59	20	3 p. m.	29.19
	Springfield (*c*)	28.64	6	3 p. m.	28.81	20	9 p m.	28.49
	St. Joseph (*c*)	29.05	3	9 a. m.	29.28	19	9 p. m.	28.87
	St. Louis	29.52	6	7 a. m.	29.71	20	2 p. m.	29.33
Wisconsin	Appleton	28.97	2	9 p. m.	29.20	15	7 a. m.	28.55
	Beloit	29.16	5	7 a m.	29.40	19	2 p. m.	28.95
	Kenosha (*e*)	29.50	5	7 a. m.	29.68	14	7 a. m.	29.31
	Madison, [Sterling]	29.04	10	9 p. m.	29.25	16	2 p. m.	28.79
	Manitowoc (*f*)	29.66	5	7 a. m.	29.94	19	2 p. m.	29.42
	Milwaukee, [Winkler]	29.27	5	7 a m.	29.49	19	2 p. m.	29.06
	Waukesha	29.15	3	7 a. m.	29.36	20	9 p. m.	28.80
Iowa	Dubuque	29.29	5	7 a. m.	29.56	17	7 a. m.	29.10
	Fairfield	29.17	3	7 a. m.	29.38	16	9 p. m.	28.98
	Muscatine	29.48	3	7 a m.	29.71	31	2 p. m.	*g* 29.28
Kansas	Lawrence	29.06	3	7 a. m.	29.28	19	9 p m.	28.89
Utah	Great Salt Lake City (*e*)	25.60	17	9 a. m.	*h* 25.74	4	3 p. m.	*i* 25.40
California	Sacramento	29.82	3	7 a. m.	30.01	24	9 p. m.	29.66
	San Francisco (*a*)	29.56	3	7 a. m.	30.07	24	9 p. m.	29.73
Mexico	Mirador (*c*)	22.68	------	------	------	------	------	------
	Vera Cruz (*c*)	29.85	31	10 p. m.	29.80	7	6 p. m.	29.64
West Indies	St. George's, Bermuda (*j*)	30.09	6	9½ a. m.	30.25	1	3½ p. m.	29.65
Central America	Guatemala	25.21	------	10 p. m.	25.34	------	3 p. m.	25.08
South America	Catharina Sophia, Surinam (*k*)	29.64	14	2 p. m.	*l* 29.70	3	6 p. m.	*m* 29.56
Azores	Horta, Fayal	30.06	21	2 p. m.	30.20	3	7 a. m.	*n* 29.82

a Aneroid.
b Same height at 12 m. on the 10th.
c For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
d Same height at 9 a. m. on the 21st.
e Observations taken at 7 a. m.
f Not corrected for temperature.
g Same height at 9 p. m. on the 31st.
h Same height at sunrise on the 21st.
i Same height at 3 p m. on the 13th.
j Observations taken at 3½ a m., 9½ a. m., 3½ p. m., and 9½ p. m.
k For changes from the usual hours of observations, &c., see notes to table of the thermometer for this month. Aneroid.
l Same height at 7 a. m. on the 26th, 6 p. m. on the 29th, 6 a. m. and 6 p. m. on the 30th, and 6 a. m. on the 31st.
m Same height at 6 p. m. on the 4th and 2 p. m. and 6 p. m. on the 7th.
n Same height at 2 p. m. on the 3d.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.67	25	9 a. m.	*b* 29.90	23	9 a. m.	*c* 29.30
	Montreal	29.87	9	7 a. m.	30.19	28	2 p. m.	29.53
	St. John's (*a*)	29.45	29	2 p. m.	*d* 29.80	15	9 p. m.	29.02
	St. Martin	29.70	31	9 p. m.	30.05	28	2 p. m.	29.34
	Toronto (*a*)	29.59	26	6 a. m.	29.85	27	10 p. m.	29.18
	Wolfville	29.56	22	7 a. m.	29.95	15	2 p. m.	*e* 29.20
Maine	Gardiner	29.74	26	7 a. m.	30.01	11	7 a. m.	29.30
	Portland	29.88	26	7 a. m	30.18	11	7 a. m.	29.35
	Steuben	29.88	20	2 p. m.	30.15	11	7 a. m.	*f* 29.41
New Hampshire	Concord (*g*)	29.64	26	7 a. m.	29.89	29	2 p. m.	29.29
	Shelburne	29.76	7	7 a. m	30.02	11	7 a. m.	29.34
Vermont	Shelburn	29.72	26	7 a. m	30.07	11	7 a. m.	29.25
	St. Johnsbury (*h*)	29.29	26	7 a. m.	29.62	11	7 a. m.	28.86
	Norwich (*g*)	29.63	7	7 a. m.	29.90	11	7 a. m.	29.21
Massachusetts	Amherst	29.77	25	9 p. m.	30.08	11	7 a. m.	*i* 29.41
	Cambridge	29.92	26	7 a. m.	30.22	11	7 a. m.	29.42
	Lawrence	29.83	26	7 a. m.	30.16	11	7 a. m.	29.35
	Nantucket	30.03	26	7 a. m.	30.28	11	7 a. m.	29.56
	New Bedford	29.87	26	7 a. m.	30.15	11	7 a m.	29.40
	Newburyport	29.93	25	7 a. m.	30.24	11	7 a. m.	29.40
	Princeton	28.84	26	7 a. m.	29.15	11	7 a. m.	28.38
	Westfield	29.84	26	7 a. m.	30.14	11	7 a. m.	29.46
	Williamstown (*g*)	29.27	26	7 a. m.	29.59	11	7 a. m.	28.91
	Worcester	29.46	26	7 a. m.	29.73	28	7 a. m.	29.06
Rhode Island	Providence (*a*)	29.77	7	6 a m	*j* 30.03	11	6 a m.	29.31
Connecticut	Norwich	29.84	26	7 a. m.	30.12	11	2 p. m.	29.51
	Pomfret	29.37	26	7 a. m.	29.67	11	7 a. m.	28.91
	Wallingford	29.85	26	7 a. m.	30.18	11	7 a. m.	29.44
New York	Bellport	29.23	26	7 a. m.	29.47	11	7 a. m.	*k* 28.93
	Blackwell's Island	29.99	26	7 a. m.	30.30	23	2 p. m.	29.66
	Cazenovia	28.55	25	7 a. m.	*l* 28.82	10	9 p. m.	28.20
	Flatbush	29.77	26	7 a. m.	30.09	23	2 p. m.	29.47
	Lowville	.....	26	7 a. m.	29.38	28	7 a. m.	28.78
	McGrawville	28.55	12	7 a. m.	28.89	23	2 p. m.	28.25
	New York city	29.94	26	7 a. m.	30.25	23	2 p. m.	29.65
	Oswego	29.28	26	7 a. m.	29.51	28	7 a m.	28.90
	Ovid	28.91	25	2 p. m.	29.23	28	7 a. m.	28.49
	Penn Yan (*a*)	29.40	26	Sunrise.	29.72	10	Sunset.	29.04
	Rochester	29.42	26	7 a. m.	29.67	28	7 a. m.	29.00
	Sag Harbor	29.64	26	7 a m.	29.95	11	7 a. m.	29.22
	Saratoga (*h*)	29.64	26	7 a. m	29.90	23	9 p. m.	*m* 29.30
	Spencertown	29.37	26	7 a. m.	29.73	11	7 a. m.	29.00
	Waterford	29.80	26	7 a. m.	30.12	23	2 p. m.	29.47
New Jersey	Bloomfield	29.90	26	7 a. m.	30.24	11	7 a. m.	29.57
	Burlington	29.78	26	7 a. m.	30.10	11	2 p. m.	*k* 29.52
	Lambertville	29.95	26	7 a m.	30.22	10	9 p m.	*n* 29.60
	Newark (*a*)	29.95	26	7 a m.	30.23	23	9 p. m.	29.64
Pennsylvania	Berwick	29.16	25	7 a. m.	29.51	10	9 p. m.	28.80
	Cannonsburg	28.79	26	7 a. m.	29.04	27	9 p. m.	28.48
	Chromedale	29.83	26	7 a. m.	30.17	10	9 p. m.	29.51
	Easton	29.48	26	7 a. m.	29.81	10	9 p. m.	29.15
	Gettysburg	29.44	26	7 a. m.	29.73	10	9 p. m.	29.09
	Harrisburg, [Heisely]	29.74	26	7 a. m.	30.02	10	9 p. m.	29.40
	Harrisburg, [Hickok]	29.69	26	7 a. m.	30.01	10	9 p. m.	29.34
	Lewisburg	29.52	25	7 a. m.	29.84	10	9 p. m.	29.10

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 p. m. on the 25th and 9 a. m. on the 26th.
c Same height at 9 p. m. on the 27th and 9 a. m. on the 28th.
d Same height at 9 p. m. on the 29th.
e Same height at 7 a. m. on the 20th.
f Same height at 2 p. m. on the 11th.
g Incomplete.
h Aneroid.
i Same height at 9 p. m. on the 23d.
j Same height at 1 p. m. on the 7th.
k Same height at 9 p. m. on the 10th.
l Same height at 2 p. m. on the 25th.
m Same height at 2 p. m. on the 23d.
n Same height at 7 a. m. on the 11th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Morrisville	29.98	26	7 a. m.	30.30	10	9 p. m.	*a* 29.70
	Mount Joy (*b*)	29.69	26	7 a. m.	29.97	23	2 p. m.	29.40
	Murrysville	28.82	25	7 a. m.	29.09	10	9 p. m.	28.52
	Nazareth (*c*)	29.37	25	2 p. m.	29.68	23	2 p. m.	29.08
	Norristown	29.88	26	7 a. m.	30.22	10	9 p. m.	29.53
	Philadelphia	29.81	31	9 p. m.	30.04	10	9 p. m.	29.54
	Pittsburg, [Wilson] (*c*)	28.88	25	7 a. m.	29.13	27	9 p. m.	28.58
	West Chester	29.38	26	7 a. m.	29.69	10	9 p. m.	29.09
Delaware	Newark (*d*)	29.77	26	7 a. m	30.10	10	9 p. m.	29.49
Maryland	Annapolis	29.99	26	7 a. m.	30.28	10	9 p. m.	29.70
	Frederick	29.72	26	7 a. m.	30.01	10	9 p. m.	29.38
Dist. of Columbia	Washington, [Smithsonian Institution]	30.00	26	7 a. m.	30.31	10	9 p. m.	29.71
Virginia	Alexandria	29.98	26	7 a. m.	30.27	10	9 p. m.	29.66
	Berryville	29.44	25	7 a. m.	29.72	10	9 p. m.	29.17
	Crack Whip (*d*)	28.23	31	9 p. m.	28.64	23	7 a. m	28.20
	Portsmouth	30.00	26	9 p m.	30.30	11	2 p. m.	29.70
	Rose Hill	29.94	26	7 a. m.	30.24	10	9 p. m.	29.64
	Ruthven (*d*)	29.68	26	7 a. m.	29.94	23	2 p. m.	29.44
North Carolina	Ashville (*d*)	27.84	8	7 a. m	28.00	22	9 p. m	27.66
	Chapel Hill	29.52	26	7 a. m.	29.77	10	2 p. m.	29.22
	Murfreesborough	29.12	25	7 a. m.	29.29	15	2 p. m.	28.93
	Warrenton	29.54	8	7 a. m.	29.79	10	9 p. m.	29.34
South Carolina	All Saints	29.95	26	7 a. m.	*e* 30.14	29	2 p. m.	29.78
	Camden	29.86	14	7 a. m.	30.07	29	2 p. m.	29.69
	Charleston, [Dawson]				30.37			30.04
	Charleston, [Johnson]	30.06	31	9 p. m.	30.23	23	2 p. m.	29.89
Georgia	Savannah	30.04	25	9 p. m.	30.21	29	2 p. m.	29.87
	The Rock	29.26	7	7 a. m.	*f* 29.38	1	7 a. m.	*g* 29.13
Florida	Atsena	29.88	25	7 a. m.	30.10	20	2 p. m.	*h* 29.75
	Jacksonville	30.08	13	7 a. m.	*i* 30.22	22	2 p. m.	*j* 29.93
	St. Augustine	30.17	13	7 a. m.	30.35	29	2 p. m.	30.00
	Salt Ponds (*b*)	29.74	25	2 p m.	*k* 29.88	23	7 a. m.	29.58
	Warrington	30.03	14	7 a. m.	*l* 30.20	11	2 p. m.	29.90
Alabama	Auburn (*c*)	29.33	13	9 p. m.	*m* 29.48	1	2 p. m.	29.21
	Greensborough (*c*)	29.58?	16	7 a. m.	29.72	10	2 p. m.	29.46
Mississippi	Columbus	29.82	14	7 a. m.	29.99	10	2 p. m.	29.65
Texas	New Braunfels (*b*)	28.58	29	7 a. m.	28.80	11	7 a. m.	*n* 28.49
	Washington	29.57	18	7 a. m.	29.75	11	2 p m.	*o* 29.39
Tennessee	Glenwood	29.56	31	7 a. m.	29.74	10	2 p. m.	29.34
Kentucky	Paris	29.18	31	7 a. m.	29.39	27	2 p m.	28.95
	Springdale (*d*)	29.42	31	7 a. m	29.64	10	9 p. m.	29.18
Ohio	Bowling Green (*d*)	29.29	25	2 p. m.	29.47	27	9 p. m.	28.84
	Cincinnati, [Harper]	29.47	31	7 a. m.	29.72	11	9 p. m.	29.16
	Cleveland (*p*)	29.01	31	9 p. m.	29.23	22	2 p. m.	28.72
	Hillsborough	28.87	31	7 a. m.	29.12	10	9 p. m.	28.60
	Medina	28.77	31	9 p. m.	29.04	22	2 p. m.	28.43
	Urbana (*c*)	28.86	31	9 p. m.	29.09	27	9 p. m.	28.57
Michigan	Battle Creek	29.10	25	7 a. m.	29.33	27	9 p. m.	28.73
	Copper Falls Mines	28.64	8	2 p. m.	29.07	27	9 p m.	28.33
	New Buffalo (*d*)	29.32	20	7 a. m.	29.54	27	9 p. m.	28.98
Indiana	Evansville	28.80	31	7 a. m.	29.00	10	9 p. m.	28.58
	Michigan City	29.24	20	7 a. m.	29.45	27	2 p. m.	28.92
	New Harmony	29.64	31	2 p. m.	29.82	27	2 p. m.	29.38
	Richmond	28.97	31	7 a. m.	29.16	10	2 p. m.	28.74

a Same height at 7 a m. on the 11th.
b Not corrected for temperature.
c Incomplete.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
e Same height at 9 p. m. on the 25th.
f Same height at 9 p. m. on the 7th, at 7 a. m. and 9 p. m. on the 8th, and at 7 a. m. on the 14th, 26th, and 31st.
g Same height at 9 p. m. on the 1st and 4th, at 7 a. m. on the 5th, and at 9 p. m. on the 9th.
h Same height at 9 p. m. on the 20th and 21st.
i Same height at 2 p m. on the 13th and at 7 a. m. on the 14th and 25th.
j Same height at 2 p. m. on the 23d.
k Same height at 2 p. m. on the 28th.
l Same height at 2 p. m. and 9 p. m. on the 19th.
m Same height at 7 a. m. on the 15th.
n Same height at 9 p. m. on the 11th.
o Same height at 2 p. m. on the 12th.
p Aneroid.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Illinois	Batavia (*a* & *g*)	29.87	8	4 p. m.	*b* 29.95	1	9 p. m.	*c* 29.77
	Manchester (*d*)	28.77	18	1 p m.	28.98	27	7 a m.	28.55
	West Urbana	29.22	31	7 a. m.	29.62	27	2 p. m.	28.96
Missouri	Cape Girardeau (*d*)	29.61	31	9 a. m.	29.81	10	3 p. m.	29.39
	Palmyra (*d*)	29.48	18	9 a. m.	29.63	27	Sunrise	29.12
	Springfield (*d*)	28.66	18	3 p. m	28.85	11	9 p. m.	28.51
	St. Joseph (*d*)	29.06	29	9 a. m.	29.33	11	9 p. m.	28.80
	St. Louis	29.53	24	7 a. m.	29.74	27	7 a. m.	29.30
Wisconsin	Appleton	28.94	19	9 p. m.	29.18	22	7 a. m.	28.62
	Beloit	29.18	20	7 a. m.	29.41	27	2 p. m.	28.79
	Kenosha (*e* & *g*)	29.48	8	2 p m.	29.70	22	7 a. m	*f* 29.21
	Madison, [Sterling]	29.09	14	7 a. m.	29.75	21	9 p. m.	28.70
	Manitowoc (*g*)	29.73	8	2 p. m.	30.02	27	2 p. m.	29.33
	Milwaukee, [Winkler]	29.27	20	7 a. m.	29.52	27	2 p. m.	28.88
	Waukesha	29.13	20	7 a. m.	29.39	27	9 p. m.	28.83
Iowa	Dubuque	29.31	19	7 a. m.	29.58	27	7 a. m.	29.01
	Fairfield	29.18	19	7 a. m.	29.40	11	9 p. m.	28.84
	Muscatine	29.45	19	7 a. m.	29.67	27	9 p. m.	29.20
Kansas	Lawrence	29.07	29	7 a. m.	29.32	11	2 p. m.	*h* 28.89
Utah	Great Salt Lake City (*i*)	25.67	29	3 p. m.	25.88	31	3 p. m.	25.37
California	Sacramento	29.84	29	7 a. m.	30.06	11	9 p. m.	29.66
	San Francisco (*j*)	29.92	29	2 p. m.	30.11	12	9 p. m.	29.72
Mexico	Mirador (*d*)	22.68	------	------	------	------	------	------
	Vera Cruz (*d*)	29.89	27	10 p. m.	30.04	12	4 p. m.	29.76
Central America	Guatemala	25.24	------	9 a. m.	25.35	------	3 p. m.	25.12
West Indies	St. George's, Bermuda (*k*)	30.00	8	9½ a. m.	30.19	30	3½ a. m.	29.85
South America	Catharina Sophia, Surinam (*l*)	29.67	28	2 p. m.	*m* 29.75	3	2 p. m.	29.60
Azores	Horta, Fayal	29.99	17	7 a. m.	*n* 30.14	24	7 a. m.	29.50

a Observations taken at 6 a. m., 9 a. m., 12 m., 4 p. m., and 9 p. m. Mean at 9 a. m., 29.35. Aneroid.
b Same height at 9 p. m. on the 8th; at 6 a. m., 9 a. m., 12 m., 4 p. m., and 9 p. m. on the 9th; at 6 a. m., 9 a. m., and 12 m. on the 10th; at 6 a. m., 9 a. m., 12 m., 4 p. m., and 9 p. m. on the 19th; at 6 a. m., 9 a. m., 4 p. m., and 9 p. m. on the 20th; at 6 a. m. on the 21st; at 12 m., 4 p. m., and 9 p. m. on the 30th; and at 6 p. m., 9 p. m., 12 m., 4 p. m., and 9 p. m. on the 31st.
c Same height at 6 a. m. and 9 a. m. on the 2d; at 9 p. m. on the 11th; at 6 a. m., 9 a. m., 12 m., 4 p. m., and 9 p. m. on the 12th; and at 6 a. m. on the 13th.
d For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
e Observations taken at 7 a. m.
f Same height at 7 a. m. on the 27th.
g Not corrected for temperature.
h Same height at 2 p. m. on the 12th.
i Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 29.81.
j Aneroid.
k Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
l Aneroid. For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
m Same height at 6 p. m. on 28th, and at 6 a. m. and 2 p. m. on the 29th.
n Same height at 9 p. m. on the 16th and 17th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.78	7	9 a. m.	30.08	17	9 a. m.	29.44
	Montreal	29.98	7	7 a. m.	30.40	16	9 p. m.	29.36
	St. John's (*a*)	29.38	22	9 p. m.	29.87	16	9 p. m.	28.82
	St. Martin	29.80	7	9 p. m.	30.18	11	7 a. m.	29.45
	Toronto (*a*)	29.71	7	2 p. m.	30.07	17	2 p. m.	29.25
	Windsor	29.95	8	7 a. m.	30.31	23	2 p. m.	29.27
	Wolfville	29.70	22	7 a. m.	30.09	23	2 p. m.	29.07
Maine	Gardiner	29.84	8	7 a. m.	30.21	23	2 p. m.	29.38
	Portland	29.99	8	7 a. m.	30.40	17	9 p. m.	29.51
	Steuben	29.94	8	7 a. m.	30.36	23	2 p. m.	29.48
New Hampshire	Concord	29.69	8	7 a. m.	30.10	17	9 p. m.	29.21
	Shelburne	29.86	8	7 a. m.	30.23	17	9 p. m.	29.42
Vermont	Norwich (*a*)	29.73	4	7 a. m.	30.01	17	9 p. m.	29.31
	Shelburn	29.79	8	7 a. m.	30.27	23	2 p. m.	29.22
	St. Johnsbury (*b*)	29.41	8	7 a. m.	29.80	23	7 a. m.	28.90
Massachusetts	Amherst	29.84	8	7 a. m.	30.26	17	9 p. m.	29.36
	Boston (*a*)	----------	8	Sunrise.	30.47	17	10 p. m.	29.60
	Cambridge	30.03	8	7 a. m.	30.45	17	9 p. m.	29.56
	Lawrence	29.90	8	7 a. m.	30.37	17	9 p. m.	29.49
	Nantucket	30.08	8	7 a. m.	30.43	23	7 a. m.	29.57
	New Bedford	29.99	8	7 a. m.	30.36	23	7 a. m.	29.48
	Newburyport	30.05	8	7 a. m.	30.47	17	9 p. m.	29.57
	Princeton	28.95	8	7 a. m.	29.34	23	7 a. m.	28.51
	Westfield	29.96	8	7 a. m.	30.39	17	9 p. m.	29.56
	Williamstown	29.38	8	7 a. m.	29.77	17	9 p. m.	28.91
	Worcester	29.51	8	2 p. m.	29.80	23	7 a. m.	29.11
Rhode Island	Providence (*a*)	29.87	8	1 p. m.	30.17	17	10 p. m.	29.39
Connecticut	Norwich	29.96	8	7 a. m.	30.28	23	7 a. m.	29.54
	Pomfret	29.47	8	7 a. m.	29.85	17	9 p. m.	29.08
	Wallingford	29.97	8	7 a. m.	30.37	17	9 p. m.	29.51
New York	Bellport	29.34	8	7 a. m.	29.64	23	7 a. m.	29.03
	Blackwell's Island	30.10	8	7 a. m.	30.45	17	9 p. m.	29.72
	Canton	29.50	8	7 a. m.	29.86	17	2 p. m.	29.10
	Cazenovia	28.68	8	7 a. m.	28.98	17	2 p. m.	28.29
	Flatbush	29.88	8	7 a. m.	30.24	17	9 p. m.	29.51
	Lowville	----------	8	7 a. m.	29.54	17	2 p. m.	28.85
	McGrawville	28.64	7	9 p. m.	28.90	17	9 p. m.	28.32
	New York city	30.04	10	9 p. m.	30.43	13	7 a. m.	29.54
	Oswego	29.40	8	7 a. m.	*c* 29.72	17	2 p. m.	28.97
	Ovid	28.98	8	7 a. m.	29.30	17	2 p. m.	28.60
	Penn Yan (*a*)	29.58	1	Sunset.	29.91	17	Sunset.	29.19
	Rochester, [Harkness]	29.48	----------	----------	29.81	----------	----------	29.09
	Rochester, [Palmer]	29.53	7	7 a. m.	29.86	17	2 p. m.	29.06
	Sag Harbor	29.76	8	2 p. m.	30.08	23	7 a. m.	29.32
	Saratoga (*b*)	29.73	8	7 a. m.	30.10	23	7 a. m.	29.30
	Spencertown	29.47	8	7 a. m.	29.92	17	9 p. m.	29.00
	Waterford	29.92	8	7 a. m.	30.32	17	9 p. m.	29.45
New Jersey	Bloomfield	30.03	8	7 a. m.	30.41	17	9 p. m.	29.64
	Burlington	29.90	8	7 a. m.	30.22	23	7 a. m.	29.57
	Lambertville (*a*)	30.15	8	7 a. m.	*d* 30.33	23	7 a. m.	29.72
	Newark (*a*)	30.04	8	7 a. m.	30.36	23	7 a. m.	29.67
Pennsylvania	Cannonsburg	29.90	8	7 a. m.	29.14	19	9 p. m.	28.63
	Chromedale	29.95	8	7 a. m.	30.28	22	9 p. m.	29.61
	Easton	29.59	8	7 a. m.	29.94	23	7 a. m.	29.25
	Gettysburg	29.55	8	7 a. m.	29.86	17	9 p. m.	*e* 29.23
	Harrisburg, [Heisely]	29.85	8	7 a. m.	30.17	17	9 p. m.	29.55
	Harrisburg, [Hickok]	29.80	8	7 a. m.	*f* 30.19	14	9 p. m.	29.47
	Lewisburg	29.64	8	7 a. m.	30.00	17	2 p. m.	29.31

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Aneroid.
c Same height at 9 p. m. on the 7th.
d Same height at 2 and 9 p. m. on the 8th.
e Same height at 9 p. m. on the 22d.
f Same height at 7 a. m. on the 9th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Morrisville	30.11	8	7 a. m.	30.43	17	9 p. m.	29.74
	Mount Joy (*a*)	29.79	8	7 a. m.	30.10	23	7 a. m.	29.46
	Murrysville	28.92	8	7 a. m.	29.14	11	9 p. m.	28.66
	Nazareth (*b*)	29.54	8	7 a. m.	29.87	23	7 a. m.	29.17
	Norristown	30.00	8	7 a. m.	*c* 30.29	17	9 p. m.	29.64
	Philadelphia	29.94	8	7 a. m.	30.24	23	7 a. m.	29.63
	Pittsburg, [Martin]	29.05	8	7 a. m.	29.23	17	9 p. m.	28.76
	Pittsburg, [Wilson]	28.97	8	7 a. m.	29.21	19	9 p. m.	28 72
	West Chester	29.49	8	7 a. m.	29.80	17	9 p. m.	*d* 29.16
Delaware	Newark	29.91	8	7 a. m.	30.24	22	9 p. m.	29.61
Maryland	Annapolis	30.09	8	7 a. m.	30.42	14	2 p. m.	*e* 29.81
	Frederick	29.83	8	7 a. m.	30.16	22	9 p. m.	29.54
Virginia	Alexandria	30.05	9	7 a. m.	30.29	22	9 p. m.	29.78
	Berryville	29.53	8	7 a. m.	29.84	22	9 p. m.	29.25
	Crack Whip	28.52	8	2 p. m.	28.74	22	9 p. m.	28.25
	Portsmouth	30.05	8	7 a. m.	30.31	14	7 a. m.	29.53
	Rose Hill	30.03	8	7 a. m.	30.36	14	2 p. m.	29.71
	Ruthven	29.75	8	7 a. m	30.04	14	9 p. m.	29.37
North Carolina	Chapel Hill	29.62	8	9 p m.	29.86	13	7 a. m.	29.23
	Murfreesborough	29.18	30	7 a m.	29.53	13	2 p. m.	28.78
	Warrenton	29.61	8	2 p. m.	29.89	13	2 p. m.	29.18
South Carolina	All Saints	29.99	1	2 p. m.	*g* 30.20	12	2 p. m.	29.49
	Camden	29.91	8	7 a. m.	30.15	12	9 p. m.	29.59
	Charleston, [Dawson]	------	------	------	30.39	------	------	29.88
	Charleston, [Johnson]	30.08	1	7 a. m.	*h* 30.27	12	2 p. m.	29.73
Georgia	Hillsborough	29.46	8	7 a. m.	29.67	22	2 p. m.	29.23
	Savannah	30.06	30	7 a. m.	30.25	12	2 p. m.	29.80
	The Rock	29.28	9	7 a. m.	29.50	12	2 p. m.	*i* 29.06
Florida	Atsena	29.89	8	7 a. m.	*j* 30.00	23	2 p. m.	*k* 29.62
	Jacksonville	30.07	30	7 a. m.	*l* 30.22	20	2 p. m.	29.84
	St. Augustine	30.16	27	7 a. m.	30.31	23	2 p m.	29.91
	Salt Ponds (*a*)	29.67	17	2 p. m.	29.79	24	7 a. m.	29.44
	Warrington	30.06	30	9 p. m.	30.23	22	2 p. m.	29.92
Alabama	Auburn	29.37	30	7 a. m.	29.58	22	2 p. m.	29.20
	Greensborough (*f*)	29.65	30	7 a. m.	29.91	19	2 p. m.	*m* 29.52
Mississippi	Columbus	29.89	30	7 a. m.	30.14	13	2 p. m,	29.72
Texas	New Braunfels(*a*)	28.71	23	7 a. m.	28.98	11	9 p m.	*n* 28.52
	Washington	29.64	29	7 a. m.	29.83	12	2 p. m.	29.49
Tennessee	Glenwood	29.64	29	7 a m.	29.88	19	2 p. m.	29.44
	Memphis	29.82	29	7 a. m.	30.10	19	9 p. m.	29.63
Kentucky	Paris	29.27	29	7 a. m.	29.48	19	2 p. m.	29.02
	Springdale (*f*)	29.51	29	7 a. m.	29.77	19	2 p. m.	29.26
Ohio	Bowling Green (*f*)	29.33	7	2 p. m.	29.59	17	Sunrise.	*o* 29.08
	Cincinnati, [Harper]	29.58	29	7 a. m.	29.80	19	2 p m.	29.33
	Cleveland (*p*)	29.09	7	7 a. m.	29.34	17	7 a. m.	28.81
	Hillsborough	28.96	3	7 a. m	29.16	19	2 p m.	28.70
	Medina	28.88	3	7 a. m.	29.19	10	9 p. m.	28.21
	Urbana	28.96	29	9 p. m.	29.14	17	2 p m.	28.74
Michigan	Battle Creek	29.20	7	7 a. m.	29.47	17	7 a. m.	28.93
	Marquette	29.37	6	9 p. m.	29.73	24	9 p. m.	28.89
	New Buffalo	29.40	7	7 a. m.	29.66	17	7 a. m.	29.16
Indiana	Evansville	28.89	29	7 a. m.	29.18	12	9 p m.	28.72

a Not corrected for temperature.
b Incomplete.
c Same height at 9 p. m. on the 7th.
d Same height at 9 p. m. on the 22d, and at 7 a.m. on the 24th.
e Same height at 9 p. m. on the 22d.
f For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
g Same height at 9 p. m. on the 8th.
h Same height at 7 a. m. on the 2d, 3d, and 4th.
i Same height at 2 p. m. on the 22d.
j Same height at 2 and 9 p. m. on the 8th; at 7 a. m. and 9 p. m. on the 17th; at 7 a. m. on the 18th; at 9 p.m. on the 23th; at 7 a.m. and 9 p. m. on the 27th; at 7 a.m. and 2 and 9 p. m. m. on the 28th and 29th; and at 9 p m. on the 30th.
k Same height at 9 p.m. on the 23d.
l Same height at 2 p. m. on the 30th.
m Same height at 2 p. m. on the 20th.
n Same height at 7 a. m. on the 7th.
o Same height at 2 p. m. on the 17th.
p Aneroid.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	Michigan City	29.32	7	7 a. m.	29.56	16	9 p. m	29.08
	New Albany	29.61	29	7 a. m.	29.84	13	2 p. m.	29.42
	New Harmony	29.73	29	7 a. m.	30.00	13	2 p. m.	29.54
Illinois	Athens	29.47	29	7 a. m.	29.79	16	2 p. m	29.25
	Batavia (*a*)	29.95	6	2 p. m.	*b* 30.15	30	9 p. m.	29.17
	Manchester	28.85	29	7 a. m.	29.18	13	9 p. m.	28.64
	West Urbana	29 31	29	7 a. m.	29.53	17	7 a. m.	29.11
Missouri	Cape Girardeau (*c*)	29.69	29	9 a. m.	30.03	13	3 p. m.	29.47
	Palmyra (*c*)	29.43	------	--------	?	------	--------	?
	Springfield (*c*)	28.71	------	--------	?	------	--------	?
	St. Joseph (*c*)	29.12	29	9 a. m.	29.48	16	9 p. m.	28.84
	St. Louis	29.61	29	7 a. m.	30.22	13	2 p. m.	29.39
Wisconsin	Appleton	29.01	8	7 a. m.	29.89	24	2 p. m.	28.66
	Beloit	29.24	29	7 a. m.	29.49	16	9 p. m.	28.96
	Kenosha	29.54	7	7 a m.	29.81	16	9 p. m.	29.28
	Madison, [Sterling]	29.06	29	7 a. m.	29.35	16	9 p. m.	28.78
	Manitowoc (*d*)	29.81	6	7 a. m.	30.12	17	7 a. m.	29.51
	Milwaukee, [Winkler]	29.34	6	7 a. m.	29.61	17	7 a. m.	29.03
	Waukesha	29.16	24	7 a. m.	29.54	11	2 p. m.	28.89
Iowa	Dubuque	29.41	29	7 a. m.	29.74	16	9 p m.	29.11
	Fairfield	29.24	29	7 a. m.	29.65	16	2 p. m.	28.97
	Muscatine	29.54	29	7 a. m.	29.84	17	7 a. m.	*e* 29.30
Kansas	Lawrence	29.15	28	7 a. m.	29.50	16	2 p. m.	28.87
Utah	Great Salt Lake City (*c*)	25.71	21	9 p. m.	25.95	15	9 a. m.	25.41
California	Sacramento	29.92	26	7 a. m.	30.12	14	9 p. m.	29.71
	San Francisco (*a*)	29.96	26	7 a. m.	30.14	13	9 p. m.	29.69
Mexico	Mirador (*c*)	22.76	------	--------	----------	------	--------	--------
	Vera Cruz (*c*)	29.90	25	10 p. m	29.98	12	3½ p. m.	29.74
Central America	Guatemala	25.22	------	--------	25.30	------	---- ----	25.11
South America	Catharina Sophia, Surinam (*a* & *c*)	29.67	7	6 p m.	29.75	1	2 p m.	*f* 29.61
Azores	Horta, Fayal	29.90	30	9 p. m.	30.25	14	9 p. m.	*g* 29.61

a Aneroid.
b Same height at 9 p.m. on the 6th, and at 7 a.m and 2 p.m. on the 7th.
c For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
d Not corrected for temperature.
e Same height at 2 p.m. on the 16th and 17th, and 9 p.m. on the 16th.
f Same height at 6 p. m. on the 16th, and 2 p. m. on the 27th.
g Same height at 2 p. m. on the 14th, and 7 a. m. on the 6th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.71	4	9 a. m.	29.98	16	9 a. m.	29.30
	Montreal	29.95	3	7 a. m.	30.40	16	7 a. m.	29.40
	St. John's (*a*)	29.61	3	7 a. m.	30.07	30	2 p. m.	29.12
	St. Martin	29.84	3	7 a. m.	*b* 30.22	16	7 a. m.	29.31
	Toronto (*a*)	29.67	22	6 a. m.	29.99	16	6 a. m.	29.29
	Windsor	29.93	19	7 a. m.	30.37	30	7 a. m.	29.29
	Wolfville	29.70	24	7 a. m.	30.27	17	7 a. m.	29.09
Maine	Gardiner	29.79	3	7 a. m.	*c* 30.18	17	7 a. m.	29.14
	Portland	29.91	23	7 a. m.	30 37	26	2 p. m.	29.17
	Steuben	29.88	23	7 a. m.	30.37	16	7 a. m.	29.26
New Hampshire	Claremont	28.93	23	7 a. m.	30.38	26	2 p. m.	28.25
	Concord	29.61	23	7 a. m.	30.04	26	2 p. m.	28.81
	Shelburne	29.78	4	7 a. m.	30.17	16	7 a. m.	29.14
Vermont	Norwich (*d*)	29.66	24	7 a. m.	30.05	27	2 p. m.	28.98
	St. Johnsbury	29.31	22	9 p. m.	29.75	16	9 p. m.	28.70
	Shelburn	29.58	22	9 p. m.	30.00	26	7 a. m.	28.90
Massachusetts	Amherst	29.74	23	7 a. m.	30.19	26	2 p. m.	28.85
	Bridgewater (*a*)	29.79	23	7 a. m.	30.23	26	2 p. m.	28.88
	Cambridge	29.94	23	7 a. m.	30.40	26	7 a. m.	29.14
	Lawrence	29.87	23	7 a. m.	30.31	26	2 p. m.	29.09
	Nantucket	29.96	23	7 a. m.	30.43	26	2 p. m.	29.12
	New Bedford	29.89	23	7 a. m.	30.32	26	2 p. m.	28.95
	Newburyport	29.97	23	7 a. m.	30.43	20	2 p. m.	29.10
	Princeton	28.84	23	7 a. m.	29.24	26	2 p. m.	27.95
	Westfield	29.88	23	7 a. m.	30.27	26	2 p. m.	29.02
	Williamstown	29.27	23	7 a. m.	29.64	26	2 p. m.	28.48
	Worcester	29.49	18	7 a. m.	29.85	16	9 p. m.	28.56
Rhode Island	Providence (*a*)	29.78	23	Sunrise.	30.20	26	1 p. m.	28.88
Connecticut	New London (*d*)	29.97	1	7 a. m.	30.51	16	7 a. m.	29.32
	Norwich	29.86	23	7 a. m.	30.25	27	7 a. m.	29.17
	Pomfret	29.39	16	2 p. m.	29.82	26	2 p. m.	28.43
	Wallingford	29.86	23	7 a. m.	30.29	16	9 p. m.	29.17
New York	Bellport	29.20	23	7 a. m.	29.62	26	2 p. m.	28.46
	Blackwell's Island	29.98	22	9 p. m.	30.38	26	2 p. m.	29.11
	Canton	29.47	4	7 a. m.	*e* 29.78	16	7 a. m.	28.97
	Cazenovia	28.58	2	9 p. m.	*f* 28.88	26	7 a. m.	28.10
	Flatbush	29.87	23	9 p. m.	30.32	26	7 a. m.	28.96
	Lowville	.....	22	2 p. m.	29.50	16	7 a. m.	28.65
	Madrid	29.71	3	7 a. m.	30.05	16	7 a. m.	29.23
	New York city	29.95	23	7 a. m.	30.35	26	7 a. m.	29.08
	Oswego	29.32	22	7 a. m.	29 64	26	2 p. m.	28.86
	Ovid	28.90	22	7 a. m.	29.22	16	7 a. m.	28.45
	Penn Yan (*a*)	29.48	10	Sunrise.	29.82	26	2 p. m.	*g* 29.04
	Pompey	28.23	22	9 p. m.	28.58	16	7 a. m.	27.68
	Rochester, [Harkness]	29.45	.....	.....	29.78	.....	.....	29.01
	Rochester, [Palmer]	29.48	3	9 p. m.	29.77	16	7 a. m.	29.04
	Sag Harbor	29.67	23	7 a. m.	30.12	26	2 p. m.	28.75
	Saratoga (*h*)	29.58	23	7 a. m.	*i* 30.00	26	2 p. m.	28.95
	Spencertown	29.31	23	7 a. m.	29.67	26	2 p. m.	28.53
	Waterford	29.85	23	7 a. m.	30 23	26	2 p. m.	29.11
New Jersey	Bloomfield	29.92	23	7 a. m.	30.33	26	7 a. m.	28.98
	Burlington (*d*)	29.79	22	7 a. m.	30.19	26	2 p. m.	29.03
	Lambertville (*a*)	29.93	22	9 p. m.	30.32	26	7 a. m.	29.05
	Newark (*a*)	29.93	23	7 a. m.	30.30	26	9 p m.	29.10
Pennsylvania	Cannonsburg	28.82	22	7 a. m.	29.17	16	7 a m.	28.40
	Chromedale	29.84	22	7 a. m.	39.24	26	7 a. m.	28.98
	Easton	29.50	23	7 a. m.	29.88	26	7 a. m.	28.67
	Gettysburg	29.53	22	7 a. m.	29.86	16	7 a. m.	*j* 28.98

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 9 p. m. on the 3d.
c Same height at 7 a. m. and 2 p. m. on the 23d.
d Incomplete.
e Same height at 9 p. m. on the 5th.
f Same height at 7 a. m. on the 22d.
g Same height at sunset on the 26th.
h Aneroid.
i Same height at 9 p. m. on the 22d.
j Same height at 2 p. m. on the 16th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Harrisburg, [Heisely]	29.76	22	7 a. m.	30.14	26	2 p. m.	29.10
	Harrisburg, [Hickok]	29.72	22	7 a. m.	30.11	26	7 a. m.	29.00
	Lewisburg	29.56	22	7 a. m.	29.93	26	7 a. m.	28.93
	Morrisville	30.03	22	7 a. m.	30.42	26	7 a. m.	29.24
	Mount Joy (*a*)	29.68	22	2 p. m.	30.05	26	7 a. m.	28.91
	Murrysville	28.85	18	7 a. m.	*b* 29.15	16	7 a. m.	28.38
	Nazareth (*c*)	29.35	23	7 a. m.	29.80	26	7 a. m.	28.56
	Norristown	29.88	22	7 a. m.	30.31	26	7 a. m.	29.02
	Philadelphia	29.83	22	7 a. m.	30.20	26	7 a. m.	29.01
	Pittsburg, [Martin]	28.99	22	7 a. m.	*d* 29.28	16	7 a. m.	28.53
	Pittsburg, [Wilson] (*c*)	28.85	1	7 a. m.	29.12	25	2 p. m.	28.56
	West Chester (*c*)	29.35	20	9 p. m.	29.07	25	9 p. m.	28.35
Delaware	Newark	29.81	22	7 a. m.	30.21	26	7 a. m.	28.98
Maryland	Annapolis	30.02	22	7 a. m.	30.43	26	7 a. m.	*e* 29.30
	Frederick	29.74	22	7 a. m.	30.17	26	7 a. m.	29.08
Dist of Columbia	Washington, [Smithsonian Institut'n]	30.05	22	7 a. m.	30.48	26	7 a. m.	29.33
Virginia	Alexandria	30.00	22	7 a. m.	30.40	26	7 a. m.	29.34
	Berryville	29.45	22	7 a. m.	29.79	26	7 a. m.	28.86
	Crack Whip (*f*)	28.45	18	2 p. m.	28.65	16	2 p. m.	27.90
	Portsmouth	29.96	22	7 a. m.	30.41	26	2 p. m.	29.31
	Rose Hill	29.95	22	7 a. m.	30.40	26	7 a. m.	29.26
	Ruthven (*f*)	29.75	22	7 a. m.	30.10	16	7 a. m.	29.21
North Carolina	Chapel Hill	29.55	22	7 a. m.	29.94	16	7 a. m.	29.08
	Murfreesborough	29.27	22	7 a. m.	29.78	16	7 a. m.	28.86
	Warrenton	29.54	22	2 p. m.	29.95	26	2 p. m.	29.00
South Carolina	All Saints	29.94	22	2 p. m.	30.36	15	2 p. m.	29.59
	Camden	29.86	22	7 a. m.	30.25	15	7 a. m.	29.49
	Charleston, [Dawson]				30.50			29.79
	Charleston, [Johnson]	30.01	22	2 p. m.	30.41	10	7 a. m.	29.72
Georgia	Hillsborough	29.41	22	7 a. m.	29.72	15	2 p. m.	29.15
	Savannah	29.98	22	9 p. m.	30.34	9	2 p. m.	29.63
	The Rock	29.24	18	2 p. m.	29.49	15	2 p. m.	28.94
Florida	Atsena	29.75	18	7 a. m.	30.02	8	7 a. m.	29.46
	Jacksonville	30.04	22	2 p. m.	30.39	9	2 p. m.	29.76
	St. Augustine	30.07	18	7 a. m.	30.38	9	2 p. m.	29.70
	Salt Ponds (*a*)	29.94	23	2 p. m.	29.79	8	7 a. m.	29.38
	Warrington	30.03	17	9 p. m.	30.28	8	2 p. m.	29.77
Alabama	Auburn	29.36	22	7 a. m.	*g* 29.59	9	2 p. m.	29.13
	Greensborough (*f*)	29.67	17	7 a. m.	29.90	10	2 p. m.	29.45
Mississippi	Columbus	29.86	20	7 a. m.	30.17	8	2 p. m.	*h* 29.63
Texas	New Braunfels (*a*)	28.83	28	9 p. m.	29.52	10	7 a. m.	28.51
	Washington	29.63	16	7 a. m.	29.97	9	2 p. m.	29.36
Tennessee	Glenwood	29.63	20	7 a. m.	29.94	15	2 p. m.	29.34
	Memphis	29.78	20	2 p. m.	30.15	11	2 p. m.	29.59
Kentucky	Millersburg	29.25	20	7 a. m.	29.72	15	9 p. m.	28.82
	Paris	29.21	21	7 a. m.	29.54	15	9 p. m.	28.84
	Springdale (*f*)	29.46	20	7 a. m.	29.83	15	9 p. m.	29.14
Ohio	Belle Centre	28.82	21	7 a. m.	29.13	16	7 a. m.	28.42
	Bowling Green (*f*)	29.26	20	9 p. m.	29.58	16	Sunrise.	28.78
	Cincinnati, [Harper]	29.54	21	7 a. m.	29.86	15	9 p. m.	29.20
	Cincinnati, [Hurtt]	29.10	21	7 a. m.	29.56	16	2 p. m.	28.77
	Cleveland (*i*)	29.04	18	7 a. m.	*j* 29.29	16	7 a. m.	28.67
	Hillsborough	28.86	21	7 a. m.	29.19	16	7 a. m.	28.48
	Medina	28.81	18	7 a. m.	29.07	16	7 a. m.	28.38
	Ripley (*f*)	29.46	21	7 a. m.	29.77	16	7 a. m.	29.13
	Urbana	28.88	21	7 a. m.	29.19	16	7 a. m.	28.52
Michigan	Battle Creek	29.16	18	7 a. m.	29.39	16	7 a. m.	28.93
	Marquette	29.42	4	7 a. m.	29.71	22	9 p. m.	29.04
	New Buffalo	29.36	20	7 a. m.	29.65	30	2 p. m.	28.09

a Not corrected for temperature.
b Same height at 9 p. m. on the 21st.
c Incomplete.
d Same height at 2 p. m. on the 22d.
e Same height at 2 p. m. on the 26th.
f For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
g Same height at 9 p. m. on the 17th.
h Same height at 2 p. m. on the 9th.
i Aneroid.
j Same height at 7 a. m. on the 22d.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	Evansville	28.83	20	7 a. m.	*a* 29 24	15	2 p. m.	28.54
	Michigan City	29.30	20	2 p. m.	29.64	15	9 p. m.	28.92
	New Albany (*b*)	29.49	3	9 p m.	29.67	15	9 p. m.	29 25
	New Harmony	29.68	20	7 a m.	30.12	15	2 p. m.	29.37
	Richmond (*c*)	28.99	20	2 p. m.	29.30	10	7 a. m.	28.67
Illinois	Athens	29.46	20	7 a m.	29.92	11	2 p. m.	29.19
	Batavia (*d*)	29.25	20	2 p. m.	29.55	15	9 p. m.	28.85
	Manchester	28.86	20	2 p. m.	29.48	1	2 p. m.	28.60
	West Urbana	29.29	20	2 p. m.	29.69	15	2 p. m.	29.02
Missouri	Cape Girardeau (*c*)	29.67	20	9 a m.	30.14	30	3 p. m.	29.44
	St. Joseph (*c*)	29.15	20	Sunrise.	*e* 29.64	10	9 p. m.	28 76
	St. Louis	29.60	20	7 a. m.	30.07	1	2 p. m.	29.32
	Springfield (*c*)	28.67	19	Sunrise.	29.13	29	9 p. m.	28.46
Wisconsin	Appleton	29.04	20	2 p. m.	29.29	1	7 a. m.	28.79
	Beloit	29.25	20	7 a. m.	29.66	11	2 p. m.	28.94
	Kenosha (*f*)	29.54	19	7 a. m.	29.82	14	9 p. m.	29.40
	Madison, [Sterling]	29.02	20	7 a. m.	29.43	11	2 p. m.	28.75
	Manitowoc (*f*)	29.82	20	7 a. m.	30.08	1	7 a. m.	29.55
	Milwaukee, [Winkler]	29.34	20	7 a. m.	29.68	1	2 p. m.	29.05
	Waukesha, [Bean]	29.19	20	7 a. m.	29.47	15	2 p. m.	28.87
Iowa	Dubuque	29.42	20	7 a. m.	29.87	1	2 p. m.	29.08
	Fairfield	29.30	20	2 p. m.	29.73	11	2 p. m.	28 94
	Muscatine	29.56	19	9 p. m.	29.87	1	7 a. m.	*g* 29.23
Kansas	Lawrence	29.15	20	7 a. m.	29.63	30	2 p. m.	28.81
California	Sacramento	29.94	29	7 a. m.	30.17	5	9 p. m.	29.65
	San Francisco (*d*)	29.96	29	7 a. m.	30.16	8	7 a. m.	29.57
Mexico	Mirador (*c*)	22.75	------	------	------	------	------	------
	Vera Cruz (*c*)	29.91	17	8 a. m.	30.11	10	11 p. m.	29.68
Central America	Guatemala	25.21	------	------	25.31	------	------	25.10
South America	Catharina Sophia, Surinam	29.64	6	2 p. m.	*h* 29.76	14	6 p. m.	29.54
Azores	Horta, Fayal	30.01	1	2 p. m.	30.33	14	7 a. m.	29.76

a Same height at 2 p. m. on the 20th.
b Incomplete.
c For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
d Aneroid.
e Same height at 9 a. m. on the 20th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 11th.
h Same height at 6 a. m. on the 7th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton (*a*)	29.60	26	9 a. m.	30.22	19	9 a. m.	28.48
	Montreal	29.88	26	7 a. m.	30.48	19	9 p. m.	29.02
	St. John's (*a*)	29.53	10	7 a. m.	*b* 29.93	7	2 p. m.	28.91
	St. Martin	29.68	26	7 a. m.	30.34	19	2 p. m.	29.00
	Toronto (*a*)	29.52	26	6 a. m.	30.24	19	6 a. m.	*c* 28.55
	Windsor	29.90	30	9 p. m.	30.60	17	9 p. m.	29.51
	Wolfville	29.76	30	7 a. m.	30.49	17	9 p. m.	29.04
Maine	Gardiner	29.78	30	2 p. m.	30.36	21	7 a. m.	29.04
	Portland	29.88	30	7 a. m.	30.51	20	7 a. m.	29.13
	Steuben	29.86	26	7 a. m.	30.41	20	7 a. m.	29.18
New Hampshire	Claremont	28.94	26	2 p. m.	29.57	19	9 p. m.	28.16
	Concord	29.53	29	9 p. m.	30.15	20	7 a. m.	28.85
	Shelburne	29.72	30	7 a. m	*d* 30.28	20	2 p. m.	29.09
Vermont	Norwich	29.61	26	7 a. m.	30.14	19	9 p. m.	28.87
	Shelburn	29.51	25	9 p. m.	30.14	19	9 p. m.	28.39
	St Johnsbury (*e*)	29.30	29	9 p. m.	29.90	19	9 p. m.	28.50
Massachusetts	Amherst	29.71	26	7 a. m.	30.36	19	9 p. m.	28.91
	Bridgewater (*a*)	29.79	26	7 a. m.	30.39	19	7 p. m.	*f* 29.16
	Cambridge	29.95	26	7 a. m.	30.56	19	9 p. m.	29.22
	Canton	29.79	26	9 p. m	30.37	19	9 p. m.	29.16
	Lawrence	29.86	26	7 a. m	30.47	20	7 a. m.	29.13
	Nantucket	30.03	26	7 a. m.	30.58	19	9 p. m.	29.40
	New Bedford	29.92	26	7 a. m.	30.54	19	9 p. m.	29.21
	Newburyport	29.91	26	9 p. m.	30.54	19	9 p. m.	29.24
	Princeton	29.82	30	7 a. m.	29.36	19	9 p. m.	28.09
	Westfield	29.88	26	7 a. m.	30.46	19	9 p. m.	29.11
	Williamstown	29.19	26	2 p. m.	29.87	19	9 p. m.	28.34
	Worcester	29.48	26	2 p. m.	30.52	20	7 a. m.	28.79
Rhode Island	Providence (*a*)	29.79	26	Sunrise	30.43	19	10 p. m.	29.06
Connecticut	New London (*g*)	30.04	26	7 a. m.	30.58	19	2 p. m.	29.33
	Norwich	29.90	26	7 a. m.	30.49	19	9 p. m.	29.26
	Pomfret	29.38	26	7 a. m.	29.94	19	9 p. m.	28.61
	Wallingford	29.89	26	7 a. m.	30.53	19	9 p. m.	29.05
New York	Blackwell's Island	30.03	26	7 a. m.	30.72	19	2 p. m.	29.20
	Canton	29.27	26	9 p. m.	29.94	19	2 p. m.	28.41
	Cazenovia	28.49	26	9 p. m.	29.10	19	2 p. m.	27.61
	Fishkill Landing (*h*)	30.16	25	9 p. m.	*i* 30.70	19	2 p. m.	*j* 29.40
	Flatbush	29.95	26	7 a. m.	30.63	19	2 p. m.	29.13
	Fort Edward (*g*)	29.79	26	7 a. m.	30.42	19	2 p. m.	28.97
	Lowville	----------	26	7 a. m.	29.61	19	2 p. m.	28.23
	Madrid	29.58	26	7 a. m.	30.23	19	2 p. m.	28.76
	New York city	29.99	26	7 a. m.	30.67	19	2 p. m.	29.18
	Oswego	29.23	26	9 p. m.	29.89	19	2 p. m.	28.30
	Ovid	28.83	26	7 a. m.	29.48	19	7 a. m	28.05
	Penn Yan (*a*)	29.36	11	2 p. m.	29.87	19	2 p. m.	28.44
	Pompey	28.09	26	2 p. m.	28.65	19	2 p. m.	27.21
	Rochester, [Harkness]	29.35	----------	----------	30.05	----------	----------	28.42
	Rochester, [Palmer]	29.36	26	7 a. m.	30.03	20	2 p. m.	28.33
	Sag Harbor	29.72	26	7 a. m.	30.29	19	9 p. m.	28.95
	Saratoga (*e*)	29.63	26	2 p. m.	30.25	19	2 p. m.	28.90
	Spencertown	29.25	26	7 a. m	29.83	19	9 p. m.	28.52
	Waterford	29.83	26	7 a. m.	30.45	19	9 p. m.	29.03
New Jersey	Bloomfield	29.93	26	7 a. m.	30.64	19	2 p. m.	29.14
	Burlington	29.93	26	7 a. m.	30.58	19	2 p. m.	29.15
	Lambertville (*a*)	29.97	26	2 p. m.	30.60	19	4½ p. m.	29.08
	Newark	29.96	25	7 a. m.	30.62	19	6 p. m.	29.07

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Same height at 2 p. m. on the 9th, and at 9 p. m. on the 30th.
c Same height at 2 p. m. on the 19th.
d Same height at 2 p. m. on the 30th.
e Aneroid.
f Same height at 7 a. m. on the 20th.
g Incomplete.
h Not corrected for temperature.
i Same height at 2 p. m. on the 26th.
j Same height at 9 p. m. on the 19th.

No. 12.--BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Bedford (*a*)	29.07	26	7 a. m	29.63	19	2 p. m.	28.23
	Cannonsburg	28.76	26	7 a. m.	29.38	19	7 a. m	27.84
	Chromedale	29.88	26	7 a. m.	30.58	19	2 p. m.	28.97
	Easton	29.52	26	7 a. m	30.17	19	2 p. m.	28.66
	Gettysburg	29.48	26	7 a. m.	30.15	19	2 p. m.	28.58
	Harrisburg, [Heisely]	29.77	26	7 a. m.	30.41	19	2 p. m.	28.86
	Harrisburg, [Hickok]	29.72	26	7 a. m.	30.42	19	2 p. m.	28.79
	Lewisburg	29.54	26	7 a. m	30.24	19	2 p. m.	28.59
	Morrisville	30.08	26	7 a. m	30.80	19	2 p. m.	29.32
	Mount Joy (*b*)	29.70	26	7 a. m	30.28	19	9 p. m.	28.96
	Murrysville	28.80	26	7 a. m	29.44	19	7 a. m.	27.95
	Nazareth	2.40	25	9 p. m.	30.02	19	2 p. m.	28.53
	Norristown	29.90	26	7 a. m.	30.62	19	2 p. m.	29.02
	Philadelphia	29.88	26	7 a. m.	30.47	19	2 p. m.	29.12
	Pittsburg, [Martin]	28.85	25	2 p. m.	*c* 29.51	19	7 a. m.	27.96
	Pittsburg, [Wilson]	28.88	26	2 p. m.	29.46	19	2 p. m.	27.85
	West Chester	29.42	26	7 a. m.	30.12	19	2 p. m.	28.61
Delaware	Newark	29.86	26	7 a. m.	30.53	19	2 p m.	28.99
Maryland	Annapolis	30.04	26	7 a. m.	30.71	19	7 a. m.	29.34
	Baltimore (*a*)	29.85	26	7 a. m.	30.56	19	2 p. m.	28.92
	Frederick	29.76	26	7 a m.	30.46	19	2 p. m.	28.88
Dist. of Columbia	Washington, [Smithsonian Inst.] (*a*)	30.09	27	7 a. m.	30.66	19	7 a. m	29.28
Virginia	Alexandria	30.03	26	7 a. m.	30.70	19	2 p. m	29.11
	Berryville	29.42	26	7 a. m	30.11	18	9 p. m.	28 50
	Portsmouth	30.05	26	7 a m	*d* 30.68	19	2 p. m	29.19
	Rose Hill (*a*)	29.99	26	7 a. m.	30.71	19	2 p. m.	29.05
North Carolina	Chapel Hill	29.61	26	2 p. m.	30.29	19	2 p m	28.71
	Davidson College (*a*)	29.24	26	7 a. m.	29 90	19	2 p. m	28.46
	Murfreesborough (*e*)	29.44	26	7 a. m.	30.11	19	2 p. m.	28.60
	Warrenton	29.64	26	7 a m	30.20	19	2 p. m.	28.67
South Carolina	All Saints	30.05	26	7 a. m	30.53	19	9 p m.	29.46
	Camden	29.93	26	7 a. m	30.48	19	2 p. m.	29.18
	Charleston, [Dawson]				30.61			29.57
	Charleston, [Johnson]	30.01	26	7 a. m.	*f* 30.60	19	2 p. m.	29.47
Georgia	Hillsborough	29.45	26	7 a. m.	29.93	19	7 a. m.	28.85
	Savannah	30.10	26	7 a m	30.57	19	2 p. m	29.44
	The Rock	29.26	26	7 a. m.	*f* 29.68	19	7 a. m.	28.75
Florida	Atsena	29.83	26	7 a. m.	*g* 30.10	18	2 p. m.	29.40
	St. Augustine	30.14	26	7 a. m.	30.47	19	2 p. m.	29.68
	Salt Ponds (*b*)	29.69	26	2 p. m.	29.89	13	7 a. m.	29.41
	Warrington	30.09	26	7 a. m.	30.43	19	7 a. m	29.71
Alabama	Auburn	29.41	25	7 a m.	*h* 29.79	18	9 p. m.	29.08
	Greensborough	29.65	26	7 a. m.	30.12	19	7 a. m.	29.18
Mississippi	Columbus	29.86	26	7 a. m.	30.34	19	7 a. m.	29.35
Texas	New Braunfels (*b*)	28.90	19	7 a. m.	29.23	6	9 p. m.	*i* 28.40
	Washington	29.69	26	7 a. m.	29.95	7	7 a m.	29.16
Tennessee	Glenwood	29.56	26	7 a. m.	30.08	18	9 p. m.	28.87
	Memphis	29.77	26	7 a. m.	30.28	7	2 p. m	29.18
Kentucky	Paris	29.16	26	7 a. m.	29.73	19	7 a. m.	*j* 28.45
	Springdale (*a*)	29.41	26	7 a. m.	30.01	18	9 p. m.	28.73
Ohio	Belle Centre	28.73	26	7 a. m	29.40	19	7 a. m.	27.82
	Bowling Green (*a*)	29.26	25	9 p. m.	29.87	19	Sunrise	28.15
	Cincinnati, [Harper]	29.50	26	7 a. m.	30.07	18	9 p. m.	28.67
	Cincinnati, [Hurtt]	29.25	26	7 a. m.	30.06	19	7 a. m	28.57
	Cleveland (*k*)	28.97	26	7 a m.	*c* 29.61	19	7 a. m.	28.12
	Hillsborough	28.79	26	7 a m	29.39	19	7 a. m	27.96

a For charges from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Not corrected for temperature.
c Same height at 9 p. m. on the 25th.
d Same height at 2 p. m. on the 6th.
e Incomplete.
f Same height at 7 a. m. on the 27th.
g Same height at 9 p. m. on the 25th; at 2 p. m. and 9 p. m. on the 26th; and at 7 a. m. and 9 p. m. on the 27th.
h Same height at 9 p. m. on the 26th.
i Same height at 7 a. m. on the 7th.
j Same height at 9 p. m. on the 1st.
k Aneroid.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Medina	28.75	25	2 p. m.	*a* 29.38	19	7 a. m.	27.68
	Oberlin	29.07	25	9 p. m.	29.74	19	7 a. m.	28.01
	Ripley (*b*)	29.43	26	7 a. m.	30.01	19	7 a. m.	28.66
	Urbana	28.82	26	7 a. m.	29.47	19	7 a. m.	27.91
Michigan	Battle Creek	29.07	26	7 a. m.	29.73	19	7 a. m.	28.14
	Marquette	29.16	25	2 p. m.	29.79	5	9 p. m.	28.39
	New Buffalo	29.22	25	9 p. m.	29.88	18	9 p. m.	28.29
Indiana	Evansville	28.82	26	7 a. m.	29.37	18	9 p. m.	28.07
	Michigan City	29.18	25	9 p. m.	29.81	18	9 p. m.	28.30
	New Albany	29.40	11	7 a. m.	29.96	18	9 p. m.	28.69
	New Harmony	29.62	26	7 a. m.	30.23	18	9 p. m.	28.80
	Richmond	28.92	26	7 a. m.	29.58	19	7 a. m.	28.17
Illinois	Athens	29.35	26	7 a. m.	*a* 29.98	18	9 p. m.	28.51
	Batavia (*c*)	29.00	25	2 p. m.	*d* 29.55	18	9 p. m.	28.05
	Manchester	28.82	25	7 a. m.	29.43	18	9 p. m.	28.04
	West Urbana	29.19	26	7 a. m.	29.80	18	9 p. m.	28.40
Missouri	Cape Girardeau (*b*)	29.62	26	9 a. m.	30.19	18	9 p. m.	28.91
	St. Joseph (*b*)	29.06	25	9 a. m.	29.64	4	9 p. m.	28.44
	St. Louis	29.53	26	7 a. m.	*a* 30.13	18	9 p. m.	28.72
	Springfield (*b*)	28.58	26	Sunrise.	30.11	18	9 p. m.	28.10
Wisconsin	Appleton	28.89	25	7 a. m.	29.58	17	9 p. m.	27.99
	Beloit	29.10	25	7 a. m.	29.81	18	9 p. m.	28.18
	Kenosha (*e*)	29.38	24	9 p. m.	30.04	18	9 p. m.	28.51
	Madison, [Sterling]	28.87	25	7 a. m.	29.57	18	9 p. m.	28.05
	Manitowoc (*e*)	29.61	25	2 p. m.	30.30	18	9 p. m.	28.78
	Milwaukee, [Winkler]	29.15	25	7 a. m.	*f* 29.82	18	9 p. m.	28.25
	Waukesha, [Bean]	29.04	25	7 a. m.	29.71	18	9 p. m.	28.13
Iowa	Dubuque	29.24	25	7 a. m.	29.94	5	7 a. m.	28.53
	Fairfield	29.12	25	9 p. m.	29.68	18	2 p. m.	*g* 28.51
	Muscatine	29.41	11	7 a. m.	29.93	18	9 p. m.	28.66
Kansas	Lawrence	29.08	25	7 a. m.	29.59	4	9 p. m.	28.47
	Leavenworth City	28.78	25	7 a. m.	29.10	18	9 p. m.	28.47
California	Sacramento	30.06	17	7 a. m.	30.27	10	2 p. m.	29.67
	San Francisco (*c*)	30.05	27	7 a. m.	30.23	10	9 p. m.	29.72
West Indies	St. George's, Bermuda (*h*)	29.99	------	------	------	------	------	------
Central America	Guatemala	25.23	------	------	25.38	------	------	25.08
South America	Catharina Sophia, Surinam (*i*)	29.59	20	6 p. m.	29.67	22	6 a. m.	29.50
Mexico	Mirador (*b*)	22.77	------	------	------	------	------	------
	Vera Cruz (*b*)	29.97	20	10 p. m.	30.22	7	9 p. m.	29.61

a Same height at 9 p. m. on the 25th.
b For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
c Aneroid.
d Same height at 2 p. m. on the 26th.
e Not corrected for temperature.
f Same height at 2 p. m. on the 25th.
g Same height at 9 p. m. on the 18th.
h Observations taken at 9½ a. m. and 3½ p. m.
i For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Aneroid.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1857.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Labrador	Rigolet (*a*)	29.65	1	Sunrise.	30.40	24	Sunset.	28.60
British America	Hamilton (*a*)	29.63	12	9 a. m	30.22	31	9 a. m.	28.94
	Montreal	29.97	20	9 p. m.	30.49	31	2 p m.	28.99
	St John's (*b*)	29.35	21	7 a. m.	30.10	17	7 a m.	28.10
	St. Martin	29.74	20	9 p. m	30.35	31	2 p. m.	28.88
	Toronto (*a*)	29.62	12	6 a. m.	30.22	31	6 a m	28.85
	Windsor (*a*)	29.87	1	7 a. m.	30.45	31	9 p m.	28.96
	Wolfville	29.83	1	7 a. m	30.44	31	9 p. m.	29.09
Maine	Gardiner	29.80	15	9 p. m.	30.24	31	2 p. m	28.92
	Portland	29.92	12	9 p. m.	30.39	31	2 p m	28.94
	Steuben	29.89	15	9 p. m.	30.39	31	2 p. m	28.83
New Hampshire	Claremont	29.02	12	7 a. m.	29.51	31	2 p. m.	28.23
	Concord	29.60	12	9 p. m.	30.10	31	2 p. m	28.69
	Shelburne	29.75	21	7 a m.	30.16	31	9 p. m	28.91
Vermont	Burlington	29.63	12	7 a m.	*c* 30.12	31	2 p. m	28.70
	Norwich	29.66	12	7 a. m.	*d* 30.10	31	7 a. m	28.99
	St. Johnsbury	29.37	20	9 p. m.	29.85	31	2 p m	28.46
	Shelburn	29.57	12	7 a. m	30.19	31	2 p. m.	28.38
Massachusetts	Amherst	29.78	12	9 p. m.	30.31	31	2 p. m	28.93
	Bridgewater (*a*)	29.82	12	7 p m.	30.32	31	2 p. m.	29.02
	Cambridge	29.97	12	9 p. m.	30.50	31	2 p. m.	29.10
	Canton	29.84	12	9 p m	30.32	31	2 p. m.	28.99
	Lawrence	29.88	12	7 a. m.	30.46	31	2 p m	28.97
	Nantucket	30.03	12	9 p m.	30.53	31	2 p m	29.29
	New Bedford	29.93	12	9 p. m	30.46	31	2 p. m	29.14
	Newburyport	30.01	12	9 p m.	30.51	31	2 p. m.	29.06
	Princeton	28.82	12	7 a m.	29.32	31	2 p. m	28.32
	Westfield	29.90	12	9 p. m.	30.42	31	2 p. m	29.11
	Williamstown	29.28	12	2 p. m.	29.82	31	2 p m	28.48
	Worcester	29.49	12	9 p. m.	30.33	23	9 p m.	28.97
Rhode Island	Providence (*a*)	29.82	12	10 p m	30.34	31	1 p. m.	28.91
Connecticut	New London	29.97	12	2 p. m.	30.58	22	2 p. m.	29.28
	Norwich	29.92	12	9 p m.	30.41	31	2 p m.	29.11
	Pomfret	29.38	12	9 p. m.	29.99	31	7 a. m.	28.60
	Wallingford	29.91	12	9 p. m	30.46	31	7 a. m	29.10
New York	Bellport	29.33	12	7 a. m.	*e* 29.77	31	2 p. m.	28.59
	Canton	29.43	12	7 a. m.	29.97	31	2 p. m.	28.48
	Cazenovia	28.58	12	2 p. m	29.09	31	7 a. m.	27.82
	Fishkill Landing (*f*)	30.27	23	7 a. m.	30.84	31	7 a. m.	*g* 29.40
	Flatbush	29.98	12	9 p. m.	30.54	31	7 a. m.	29.18
	Fort Edward	29.84	12	7 a. m.	30.36	31	2 p m.	28.91
	Lowville		12.	2 p. m	29.69	31	2 p m.	28.27
	Madrid	29.69	12	7 a. m.	30.26	31	2 p. m.	28.73
	New York city	30.03	12	9 p. m.	30.59	31	7 a. m.	29.20
	Oswego	29.33	12	2 p. m.	29.89	31	7 a. m.	28.53
	Ovid	28.88	12	7 a. m.	*h* 29.41	31	7 a m.	28.11
	Penn Yann (*a*)	29.42	12	Sunrise	*h* 29.94	31	Sunrise	28.65
	Pompey	28.14	12	2 p. m.	28.68	31	2 p m.	27.39
	Rochester [Harkness]	29.42			30.00			28.63
	Rochester [Palmer]	29.46	12	7 a. m.	*h* 29.99	31	7 a. m.	28.65
	Sag Harbor (*a*)	29.70	21	7 a. m.	30.14	31	7 a. m.	28.95
	Saratoga (*i*)	29.58	12	7 a. m.	30.15	31	2 p. m.	28.70
	Spencertown (*a*)	29.39	20	9 p. m.	29.72	22	9 p. m	28.75
	Waterford	29.88	13	7 a m	30.41	31	2 p. m.	29.04
New Jersey	Bloomfield (*a*)	30.05	12	7 a. m.	30.53	22	2 p. m.	29.40
	Burlington	30.00	13	7 a. m.	30.54	31	2 p. m	29.41
	Lambertville (*a*)	29.99	12	9 p. m.	30.55	31	7 a m.	29.25

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Observations taken at 7 a. m. and 2 p. m.
c Same height at 9 p. m. on the 20th.
d Same height at 9 p. m. on the 12th.
e Same height at 2 p. m. and 9 p. m. on the 12th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 31st.
h Same height at 2 p. m. on the 12th.
i Aneroid.

No. 13.--BAROMETER, CORRECTED TO 32° F., DECEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
New Jersey	Newark (*a*)	30.02	12	6 p. m.	30.56	31	7 a m	29.21
Pennsylvania	Bedford	29.13	12	7 a. m	29.65	31	7 a. m.	28.59
	Berwick (*b*)	29.25	12	2 p. m.	29.92	31	7 a m	28.58
	Cannonsburg	28.83	20	9 p. m.	29.73	31	7 a. m.	28.21
	Chromedale	29 91	12	7 a. m.	30.47	31	7 a. m.	29.19
	Easton	29.56	12	9 p. m.	30.09	31	7 a. m.	28.81
	Gettysburg	29.51	12	7 a. m.	*c* 30.03	31	7 a. m.	28.82
	Harrisburg, [Heisely]	29.80	12	2 p. m.	*d* 30.34	31	7 a. m.	29.09
	Harrisburg, [Hickok]	29.76	12	7 a. m.	30.30	31	7 a. m.	29.04
	Lewisburg	29.58	12	7 a. m	30.12	31	7 a. m.	28.85
	Morrisville	30.13	12	9 p. m.	30.69	31	7 a. m.	29.39
	Mount Joy (*b*)	29.75	12	2 p. m.	30.27	31	7 a. m.	28.99
	Murrysville	28.86	12	7 a. m.	29.37	31	7 a. m.	28.29
	Nazareth	29.42	12	2 p m	30.00	31	7 a. m.	28.70
	Norristown	29.92	12	9 p. m.	30.50	31	7 a. m.	29.33
	Philadelphia	29.90	13	7 a. m.	30.41	31	7 a. m.	29.27
	Pittsburg, [Martin]	28.98	12	7 a. m.	29.40	31	7 a. m.	28.36
	Pittsburg, [Wilson]	28.86	12	7 a m.	29.35	31	7 a. m.	28 28
	Somerset	27.65	20	9 p. m.	28.00	31	7 a. m	27.08
	West Chester	29.46	12	9 p. m.	30.01	31	7 a. m	28.74
Delaware	Milford	29.70	12	2 p. m.	*d* 30.25	31	7 a. m.	29.07
	Newark (*a*)	29.93	12	2 p. m.	30.40	22	2 p. m.	29.37
Maryland	Annapolis	30.06	12	7 a m.	*c* 30.58	31	7 a. m.	29.45
	Baltimore	29.92	12	2 p. m.	*d* 30.45	31	7 a m	29.26
	Frederick	29.79	12	7 a m.	30.33	31	7 a. m.	29.12
	Oakland (*a*)	27.61	12	9 p m.	28.00	30	2 p. m.	27.19
Virginia	Alexandria	30.06	12	7 a. m.	30.58	31	7 a. m.	29.43
	Berryville	29.47	12	7 a. m.	30.00	31	7 a. m.	28.84
	Portsmouth	30.07	12	9 p. m	30.58	30	9 p. m.	29.44
	Rose Hill	30.03	12	9 p. m.	30.57	30	9 p. m.	29.41
	Ruthven (*a*)	29.74	12	9 p. m.	30.26	30	9 p. m.	29.22
North Carolina	Ashville (*a*)	27.76	12	1 p. m	28.08	30	1 p. m.	27.41
	Chapel Hill	29.57	11	7 p. m.	29.94	30	9 p. m.	29.11
	Davidson College (*a*)	29.25	13	7 a m.	*d* 29.68	30	9 p. m.	28.70
	Murfreesborough	29.40	12	9 p. m	29.97	30	9 p. m.	28.92
South Carolina	All Saints	30.05	12	9 p. m.	*e* 30.42	25	7 a m.	29.45
	Camden	29.96	12	9 p. m.	30.37	25	7 a. m.	29.45
	Charleston, [Dawson]				30.57			29.85
	Charleston, [Johnson]	30.13	12	9 p m.	*e* 30.48	25	7 a. m	29.73
Georgia	Athens	29.34	13	7 a. m.	29.75	30	2 p. m.	28.63
	Hillsborough (*a*)	29.48	13	7 a. m.	29 86	30	2 p. m.	29.05
	Savannah	30.11	12	9 p. m.	30.45	30	2 p. m.	29.73
	The Rock	29.29	14	2 p. m	29 63	30	2 p m.	28.76
Florida	Atsena	29.86	12	9 p. m.	30.07	24	9 p m	29.57
	Jacksonville	30.15	13	7 a. m.	30.42	30	2 p. m.	29.78
	St. Augustine	30.16	12	7 a. m.	*f* 30.40	24	9 p. m.	29.80
	Salt Ponds (*b*)	29.74	3	2 p. m	*g* 29.88	15	7 a m.	29.56
	Warrington	30.10	11	7 a. m.	*h* 30.42	30	2 p. m.	29.79
Alabama	Auburn	29.42	13	7 a. m.	29.76	30	2 p. m.	29.69
	Greensborough	29.69	13	7 a m.	30.08	6	7 a. m	29.28
Mississippi	Columbus	29.90	13	7 a. m.	30.28	6	7 a. m.	29.42
Texas	Goliad	30.08	10	7 a m.	30.41	5	2 p m.	29.66
	Washington	29.71?	10	7 a m	*i* 30.07	5	9 p. m.	29.32
Tennessee	Glenwood	29.60	13	7 a m	30.01	6	7 a. m.	29.11
	Memphis	29.80	12	7 a m.	30.19	6	7 a m	29.30
Kentucky	Paris	29.21	13	7 a m	29.62	6	2 p m.	28.67
	Springdale (*a*)	29.46	12	7 a. m.	29.90	6	2 p. m.	28.94

a For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
b Not corrected for temperature.
c Same height at 2 p. m. on the 12th.
d Same height at 9 p. m. on the 12th.
e Same height at 7 a. m. on the 13th.
f Same height at 2 and 9 p. m. on the 11th, and at 7 a. m. on the 13th.
g Same height at 2 p m on the 4th.
h Same height at 9 p. m. on the 11th.
i Same height at 7 a. m. on the 11th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Belle Centre	29.82	12	7 a. m.	29.31	6	2 p. m.	28.31
	Bowling Green	29.26	12	Sunrise.	29.81	6	2 p. m.	28.72
	Cincinnati, [Harper]	29.55	13	7 a. m.	29.96	6	2 p. m.	29.01
	Cincinnati, [Hurtt]	29.30	12	7 a. m.	29.83	6	2 p. m.	28.66
	Cleveland (*a*)	29.02	12	7 a. m.	29.52	30	9 p. m.	28.52
	Hillsborough	28.84	12	2 p. m.	*b* 29.27	30	9 p. m.	28.31
	Medina (*c*)	28.77	12	7 a. m.	29.31	31	7 a. m.	28.14
	New Lisbon (*d*)	28.64	12	7 a. m.	29.10	31	7 a. m.	28.00
	Ripley	29.48	12	7 a. m.	29.90	6	2 p. m.	28.92
	Savannah	28.92	12	2 p. m.	29.42	31	7 a. m.	28.33
	Urbana	28.89	12	7 a. m.	29.37	6	2 p. m.	28.34
Michigan	Battle Creek	29.13	12	7 a. m.	29.59	30	9 p. m.	28.54
	Marquette	29.35	11	9 p. m.	29.83	6	2 p. m.	28.57
	New Buffalo	29.31	12	7 a. m.	29.81	6	7 a. m.	28.73
Indiana	Evansville	28.87	13	7 a. m.	29.33	6	7 a. m.	28.35
	Michigan City	29.25	12	7 a. m.	29.72	6	7 a. m.	28.72
	New Harmony	29.68	12	7 a. m.	30.13	6	7 a. m.	29.13
	Richmond	28.99	12	7 a. m.	29.47	30	9 p. m.	28.48
Illinois	Batavia (*a*)	29.07	12	2 p. m.	29.55	31	9 p. m.	28.52
	Manchester (*c*)	28.84	12	7 a. m.	29.23	31	9 p. m.	28.34
	West Urbana	29.25	12	7 a. m.	29.67	6	7 a. m.	28.55
	Wheaton	29.23	12	7 a. m.	29.73	6	7 a. m.	28.60
Missouri	Cape Girardeau (*c*)	29.72	13	9 a. m.	30.08	6	Sunrise	29.15
	St. Joseph (*c*)	29.10	19	9 a. m.	29.48	31	3 p. m.	28.49
	St. Louis	29.58	12	7 a. m.	30.16	6	7 a. m.	29.05
	Springfield (*c*)	28.68	19	Sunrise.	*e* 29.00	5	3 p. m.	*f* 28.18
Wisconsin	Appleton	28.98	12	7 a. m.	29.56	6	2 p. m.	28.39
	Beloit	29.19	11	9 p. m.	29.66	6	7 a. m.	28.60
	Kenosha (*d*)	29.45	10	9 p. m.	29.95	6	7 a. m.	28.84
	Madison, [Sterling]	29.02	11	9 p. m.	29.49	6	7 a. m.	28.38
	Manitowoc	29.71	12	7 a. m.	30.23	6	7 a. m.	29.07
	Milwaukee, [Winkler]	29.23	12	7 a. m.	29.71	6	7 a. m.	28.63
	Racine, [Durham] (*d*)	29.22	11	9 p. m.	29.72	6	7 a. m.	*g* 28.68
	St. Croix	29.17	11	9 p. m.	29.66	6	7 a. m.	28.56
	Waukesha	29.14	12	7 a. m.	29.64	6	7 a. m.	28.50
Iowa	Dubuque	29.34	11	9 p. m.	29.82	31	9 p. m.	28.76
	Fairfield	29.18	11	9 p. m.	29.58	31	2 p. m.	28.64
	Muscatine	29.51	11	2 p. m.	*h* 29.99	31	9 p. m.	28.90
Minnesota	Wabashaw	29.15	12	7 a. m.	29.63	6	7 a. m.	28.56
Kansas	Lawrence	29.12	19	7 a. m.	29.53	5	2 p. m.	28.56
	Leavenworth City	28.75	18	9 p. m.	*i* 28.95	31	2 p. m.	28.40
Oregon	Fort Thomson	24.75	20	9 p. m.	25.07	6	1 p. m.	24.29
California	Sacramento	30.16	29	9 p. m.	*j* 30.44	11	7 a. m.	29.81
	San Francisco (*a*)	30.13	30	7 a. m.	30.41	10	9 p. m.	29.78
Mexico	Mirador (*c*)	22.82	------	------	------	------	------	------
	Vera Cruz (*c*)	30.02	10	10 p. m.	30.30	5	4 p. m.	29.73
West Indies	St. George's, Bermuda (*k*)	29.98	13	9½ a. m.	30.32	26	3½ a. m.	29.50
Central America	Guatemala	25.25	------	------	25.36	------	------	25.11
South America	Catharina Sophia, Surinam (*l*)	29.59	4	6 a. m.	*m* 29.67	21	2 p. m.	*n* 29.51
	Catharina Sophia, Surinam (*c*)	29.88	4	6 a. m.	*o* 30.08	21	6 p. m.	*p* 29.78

a Aneroid.
b Same height at 7 a. m. on the 13th.
c For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month.
d Not corrected for temperature.
e Same height at 3 p. m. on the 29th.
f Same height at 3 p. m. on the 31st.
g Same height at 7 a. m. on the 31st.
h Same height at 9 p. m. on the 11th.
i Same height at 7 a. m., 2 and 9 p. m. on the 19th.
j Same height at 7 a. m. on the 30th.
k Observations taken at 3½ and 9½ a. m., 3½ and 9½ p. m.
l For changes from the usual hours of observation, &c., see notes to table of the thermometer for this month. Aneroid.
m Same height at 6 a. m. on the 6th.
n Same height at 6 a. m. on the 23d.
o Same height at 6 a. m. on the 5th and 6th.
p Same height at 6 p. m. on the 22d.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	12.68	.....	14.58	13.63	?	41	2	30.50	?	—18	22	— 5.00	....
Montreal	2.27	10.38	5.85	6.17	27	31	13	28.30	23	—27	8	— 9.50	6.9
Stanbridge	1.16	11 00	5.68	5.95	27	34	27	30.67	18	—42	23	—29.33	6.5
St. John's (*b*)	25.19	30.64	28.10	27.98	20	47	20	45.67	27	7	27	8.33	....
St. Martin	—3.20	10.20	3.50	3.50	21	30	1	22.10	23	—30 *c*	23	—25.30	5.7
Toronto (*d*)	10.34	16.04	12.64	13.01	31	32	2	28.92	18	—18	23	— 9.18	6.9
Wolfville	18.82	27.52	21.96	22.77	22	45	22	40.33	18	—10	18	— 4.67	6.6
MAINE—													
Carmel	4.62	15.90	6.32	8.95	27	35	28	34.67	23	—25	23	—20.67	5.2
Cornish, [Guptill]	5.84	17.48	8.32	10.55	27	34	27	30.00	23	—26 *c*	23	—21.00	5.0
Cornish, [West]	3.19	15.58	6.81	8.53	27	32	27	28.67	23	—28 *c*	23	—23.33	5.4
Gardiner	7.19	18.58	12.32	12.70	27	35	27	31.33	24	—32	23	—14.33	6.0
Monson	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	...	.....	6.0
Perry	12.29	19.32	16 06	15.89	27	38	27	33.33	24	—19	23	— 9.00	5.9
Portland	8.34	20.51	13.32	14.06	29	38	27	33.50	24	—25	23	—17.16	5.9
Steuben	8.29	16.32	13.45	12.69	29	31	28	29.67	24	—29	24	—16.33	6.1
NEW HAMPSHIRE—													
Concord	7.49	18.24	13.92	13.22	27	38	27	31.00	24	—28	23	—14.67	4.6
Francestown, [Bixby]	9.65	18.00	12.77	10.14	27	36	27	33.33	23	—24	23	—18.00	5.4
Great Falls	7.26	19.94	11.18	12.79	28	39	27	33.00	23	—24 *c*	23	—19.67	4.7
Manchester	7.47	18.67	12.58	12.91	21	38	27	33.33	23	—22	23	—17.67	5.4
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.8
Shelburne	4.00	17.62	11.28	10.97	27	36	27	29.00	24	—32	23	—22.00	6.2
Stratford	1.42	12.32	3.81	5.52	29	30	27	25.67	24	—39	23	—25.00	5.9
West Enfield	2.89	13.82	5.68	7.46	27	34	27	29.67	23	—33	23	—29.67	5.7
VERMONT—													
Brandon	3.12	14.52	8.44	8.69	29	35	27	29.67	23	—27	23	—19.33	6.1
Craftsbury	1.16	10.19	3.74	5.03	1	30	27	25.00	23	—34	23	—28.00	7.1
Norwich (*e*)	1.73	14.27	3.83	6.61	27	34	27	26.33	24	—44	23	—27.00	....
Rupert	4.40	14.40	14.00	10.92	21	*f* 31	29	30.00	23	—28	23	—18.00	5.2
Shelburn (*g*)	3.93	12.07	6.51	7.50	29	33	27	28.67	23	—30	23	—21.33	6.9
West Fairlee	5.29	17.03	8.74	10.35	27	34	27	30.00	24	—26	23	—18.00	....
MASSACHUSETTS—													
Amherst	8.66	18.61	13.24	13.50	27	37	27	34.10	24	—18	23	—11.30	4.9
Boston (*h*)	13.58	24.32	18.58	18.83	31	42	27	37.00	23	—14	23	— 8.33	4.1
Bridgewater (*j*)	12.11	21.07	17.61	16.93	27	42	27	38.00	24	—22	23	— 7.50	5.0
Cambridge	11.10	20.94	15.07	15.70	27	40	27	37.00	23	—16 *c*	23	—10.67	5.5
Canton	8.31	21.44	15.32	15.02	27	*i* 40	27	36.00	24	—26	23	— 8.67	5.1
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.3
Lawrence	9.33	.....	.....	17.64	30	54	28	40.50	24	—25	23	—11.50	....
Mendon	10.45	18.26	14.48	14.40	27	40	27	36.00	24	—18	23	—10.67	5.5
Nantucket	20.55	27.15	23.58	23.76	31	43	31	37.20	23	— 6.5	23	0.00	5.4
New Bedford	14.71	22.60	18.42	18.58	27	40	27	37.00	23	—11	23	— 6.67	6.3
Newburyport	8.97	19.28	12.82	13.69	27	39	27	35.77	22	—20	23	— 8.70	8.9
North Attleborough	11.78	21.05	15.67	16.17	31	43	27	34.90	24	—21	23	— 9.60	5.2
Plainfield	1.42	.....	.....	.....	1	*k* 20	.....	.....	23	—31	.....	.....	....
Richmond	7.42	17.95	11.94	12.44	29	42	29	31.33	23	—23	23	—17.33	6.2
Westfield	9.35	18.29	13.31	13.65	27	34	27	30.33	24	—24	23	—12.00	5.9
Weymouth	13.23	.....	17.16	15.19	31	43	27	36.00	24	—15	23	—10.00	....
Williamstown	11.86	16.50	13.74	14.03	27	33	27	31.80	16	— 9	22	— 0.50	7.6
Worcester	12.39	20.19	15.90	16.16	27	38	27	35.67	24	—13	23	— 8.00	5.2
RHODE ISLAND—													
Providence (*l*)	11.90	22.00	15.00	16.30	27	40	27	36.00	23	—14 *c*	23	— 9.67	5.3
CONNECTICUT—													
Columbia	6.03	18.13	11.90	12.02	31	42	27	34.33	24	—22	18	—10.00	5.6
Georgetown	10.37	22.10	16.38	16.28	2	44	3	33.00	24	—18	23	— 3.33	4.9

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., 3 p. m., and 6 p. m.
c Same temperature on the 24th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e For the last 23 days of the month only.
f Same temperature on the 29th.
g Observations taken at sunrise, noon, and sunset.
h Observations taken at 6 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 31st.
j Observations taken at 7 a. m., 1 p. m., and 7 p. m.
k Same temperature on the 27th.
l Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
New London	14.23	23.52	18.10	18.62	28	*a* 39	28	34.33	23	—16	23	— 5.33	5.3
Norwich	11.10	21.74	15.45	16.10	28	45	28	36.00	24	—24	23	— 8.00	4.8
Pomfret	11.19	19.42	14.23	14.95	31	42	27	34.00	23	—15	23	—10.00	5.7
Saybrook	14.94	22.43	19.19	18.85	31	40	28	35.67	23	—12	23	— 2.67	5.7
Wallingford	12.81	12.81	14.65	13.42	27	36.5	27	34.17	24	—21	23	— 9.33	4.8
NEW YORK—													
Angelica	7.81	18.58	9.74	12.04	31	46	31	40.67	18	—22	18	—11.33	5.6
Baldwinsville	9.48	17.19	12.87	13.18	27	34	27	29.00	18	—19	18	—10.33	8.3
Beverly	10.87	19.36	15.10	15.11	27	35	27	30.00	24	—16	18	— 9.00	5.7
Blackwell's Island	17.68	23.81	21.23	20.91	27	38	27	34.67	18	— 5	18	1.00	5.8
Buffalo (*b*)	8.46	19.15	9.44	12.35	27	37	----	?	18	—10	18	— 3.00	7.5
Cazenovia	5.52	12.10	8.84	8.82	27	*a* 31	27	25.33	18	—29	18	—18.67	8.4
Clinton	6.61	17.00	8.74	10.78	27	37	27	30.67	18	—24	23	—16.33	6.5
Fishkill Landing	10.74	22.39	14.58	15.90	27	37	27	33.33	24	—16.5	18	— 5.83	5.6
Flatbush	15.50	23.70	18.76	19.32	27	37	27	33.00	24	— 5	18	0.70	5.9
Fordham	18.33	25.74	20.58	21.55	27	42	27	37.33	18	— 3	18	1.00	----
Lake	-------	-------	-------	-------	---	-------	---	-------	23	—40	----	-------	----
Lowville	-------	-------	-------	5.42	27	33	3	25.25	18	—34	23	—25.00	----
McGrawville	7.00	12.36	8.34	9.23	27	32	31	27.43	23	—23.5	23	—16.77	7.5
Mexico	7.66	17.39	10.42	11.82	14	33	27	28.70	18	—31.5	18	—16.60	6.9
Morrisania	14.03	23.77	16.81	18.20	1	39	1	37.67	23	— 8	23	— 1.67	4.8
New York city	19.16	26.14	22.01	22.54	27	39	27	36.33	18	0	18	2.53	5.5
Nichols (*c*)	6.42	20.33	9.74	12.16	27	34	27	28.67	24	—26	18	— 8.00	8.2
Oswego	9.77	18.00	15.16	14.31	27	34	27	31.00	18	—18	18	— 8.33	8.2
Ovid	11.16	15.61	12.90	13.22	31	34	31	29.67	18	—17	18	—12.67	7.8
Penn Yan (*d*)	10.61	20.00	14.65	15.09	31	*e* 36	31	31.33	18	—18	18	— 9.00	8.2
Plainville	9.13	18.32	14.13	13.86	27	35	27	30.00	18	—24	18	—13.33	8.0
Rochester, [Harkness]	13.00	18.50	14.90	15.47	----	37	----	-------	----	—13	----	-------	----
Rochester, [Palmer]	13.32	17.97	13.35	14.88	27	*a* 36	31	32.33	18	—12	18	— 4.00	9.2
Sag Harbor	15.93	26.87	19.35	20.72	21	44	27	38.00	23	— 6	23	0.67	5.4
Saratoga	0.48	21.71	8.55	10.25	30	40	27	29.00	23	—49	23	—20.67	4.8
Spencertown	6.39	14.10	10.81	10.43	27	33	27	30.67	23	—23	23	—19.00	5.6
Townsendville	9.00	16.65	10.45	12.03	27	32	31	27.00	18	—17	18	—12.00	7.9
Troy	8.37	19.30	14.12	13.93	1	*f* 35	27	31.40	24	—20	23	—11.50	6.3
Utica	5.43	13.67	9.48	9.53	30	38	29	29.50	23	—26	18	—17.33	1.9
Wampsville	9.45	18.19	11.97	13.20	29	40	27	32.67	18	—23	18	—12.33	7.4
Waterford (*g*)	4.32	16.71	9.32	10.93	2	*f* 34	27	30.75	24	—27	23	—11.75	----
West Concord	-------	-------	-------	-------	---	-------	---	-------	---	-------	---	-------	6.2
NEW JERSEY—													
Bloomfield	13.05	23.30	17.12	17.82	27	38	27	32.83	24	—16	18	— 2.33	5.1
Burlington	14.71	25.61	20.45	20.26	29	39	31	35.33	24	—15	23	0.67	5.6
Freehold	17.61	27.06	21.50	22.06	27	47	27	39.00	23	— 1 *h*	18	3.84	----
Lambertville	12.20	25.56	18.93	18.90	27	41.3	27	34.93	24	—20	18	0.50	3.3
Newark (*i*)	-------	-------	-------	19.33	4	37	4	32.00	21	—12	18	— 1.75	----
Sergeantsville	13.78	25.84	17.29	18.97	31	41	3	33.33	24	—12	18	— 1.00	5.1
PENNSYLVANIA—													
Bedford	11.98	25.00	17.54	18.17	31	45	31	35.00	26	— 9	22	— 1.00	6.2
Berwick	11.48	21.72	15.23	16.14	27	*j* 35	27	32.33	24	—26	23	— 3.33	5.2
Byberry	14.15	25.21	17.15	18.84	----	?	----	?	21	—15	----	?	----
Cannonsburg	14.13	20.86	18.38	17.79	29	40	27	34.33	23	— 6	26	— 1.33	7.3
Carlisle	12.87	24.03	17.81	18.24	29	38	29	31.33	24	—16	23	1.20	5.8
Chromedale	15.60	24.92	19.70	20.07	31	36	31	35.33	24	—17	23	— 2.10	5.5
Easton	11.73	21.35	15.58	16.22	29	36	31	*e* 30.67	24	—14.5	23	— 0.67	6.1
Fleming	10.83	23.51	15.16	16.50	31	38	31	32.00	23	—18	23	— 1.00	6.2
Gettysburg	10.52	24.58	15.35	16.82	29	40	31	33.33	24	—20	23	— 2.33	5.8
Harrisburg, [Heisely]	16.19	24.79	21.16	20.71	3	38	1	33.00	24	—12	24	3.00	5.9
Lewisburg	10.13	21.73	14.68	15.51	29	35	31	31.17	24	—18	18	— 1.63	7.0
Meadville	8.50	20.07	12.10	13.56	30	40	27	*a* 30.67	16	—12	22	— 1.00	7.2

a Same temperature on the 31st
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Observations taken at 6 a. m., 1 p. m., and 9 p. m.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 3d.
f Same temperature on the 27th.
g Observations taken at 7 a. m., and at 1, 6, and 10 p. m. Mean at 6 p. m., 13 36.
h Same temperature on the 24th.
i Observations taken at 7 a. m. and 6 p. m.
j Same temperature on the 20th and 31st.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG	WARMEST DAY.			LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Morrisville	13.13	25.97	17.74	18.95	21	*a* 36	31	32.00	24	—17	23	0.33	4.0
Moss Grove	8.06	17.60	9.74	11.80	27	40	27	30.67	18	—12	18	— 5.67	6.2
Nazareth	12.43	22.38	14.40	16.40	29	40	27	*k*32.00	24	—11	23	— 2.00	6.1
Norristown	15.61	25.03	20.21	20.28	27	*b* 37	27	34.50	24	—16	23	0.00	5.7
North Whitehall (*c*)	11.65	23.19	20.13	18.32	30	38	29	32.33	24	— 8 *d*	24	— 1.00	7.5
Paradise				34.00									
Philadelphia	16.68	24.90	21.18	20.92	27	38	31	35.80	23	— 5 *e*	18	1.00	5.3
Pittsburg, [Wilson]	11.55	19.65	14.39	15.20	26	42	27	35.00	22	—22	22	— 4.67	
Pocopson	13.69	25.81	17.94	19.15	29	38	31	34.00	24	—19	23	— 2.00	5.8
Shamokin	11.51	21.61	17.29	16.80	1	*f* 34	29	30.33	24	—30	23	— 4.33	5.6
Tarentum	12.74	24.74	17.23	18.24	27	43	27	41.33	26	—10	18	3.67	6.6
West Haverford	17.48	26.64		22.06	27	40	27	37.00	23	— 4	18	0.00	5.5
DELAWARE—													
Newark	14.88	25.22	20.35	20.15	27	40	27	35.33	24	—11	23	1.67	4.6
MARYLAND—													
Annapolis	17.26	29.63	22.60	23.16	27	41	31	36.50	23	— 7	23	4.00	4.8
Bladensburg	14.00	26.06	21.21	20.42	21	42	31	35.67	24	—13	?	?	6.3
Frederick	15.76	25.21	20.08	20.35	29	38	2	32.50	24	— 6	18	4.67	5.8
Ridge (*g*)	22.80	32.37	24.70	26.62	27	46	27	39.00	22	*h* 1	23	9.00	4.4
Sykesville	11.00	27.81	17.81	18.87	21	*i* 44	31	36.33	24	—21	18	— 0.33	5.0
DISTRICT OF COLUMBIA—													
Washington, [Smiths'n Inst.]	16.32	27.13	22.03	21.83	21	40	31	35.00	24	— 8	23	1.67	5.9
VIRGINIA—													
Alexandria	18.35	28.57	23.84	23.59	2	40	2	*i* 36.70	24	— 6	23	3.30	5.5
Ashland	14.06	27.22	17.84	19.71	31	44	27	39.67	23	—24	19	— 6.00	5.7
Berryville	17.42	21.49	26.41	21.77	7	39	27	32.67	23	*j* 0	18	3.33	5.8
Crichton's Store (*k*)	26.18	34.70	33.82	31.57	27	50	27	43.00	23	8	23	12.67	5.1
Kanawha	15.97	27.73	19.94	21.21	27	46	27	40.67	23	—24	23	— 5.67	6.3
Lewisburg	13.11	26.68	18.66	19.48	1	*l* 42	31	*m*36.00	19	—12	21	— 3.00	7.1
Longwood	18.58	31.00	23.08	24.22	17	*b* 44	10	37.67	23	— 3	18	4.67	5.0
Meadow Dale	11.00	23.52	18.19	17.57	29	46	29	35.33	23	—16	22	— 5.33	
Montross	18.10	30.68	22.74	23.84	27	44	3	38.67	23	—10	23	1.84	6.0
Mossy Creek	13.11	30.89	18.50	20.83	31	54	31	39.16	23	— 8	18	3.33	5.9
Poplar Grove	16.97	31.65	20.65	23.09	31	43	27	*i* 37.67	23	—20	23	— 1.33	7.0
Portsmouth	21.97	33.74	25.65	27.12	27	58	27	44.00	23	— 5	23	6.33	3.6
Rose Hill	20.16	26.82	27.09	24.69	27	42	27	38.50	23	1	23	7.00	5.2
Rougemont (*n*)	17.03	27.45	20.75	21.74	29	41	27	*i* 34.60	23	—13	18	— 1.40	
Ruthven (*o*)	18.19	33.21	25.93	25.78	3	44	17	34.67	23	—12	23	? ?	3.7
Smithfield	20.60	32.70	26.40	26.57	27	53	27	41.70	23	—11	23	3.80	5.5
Winchester	16.26	28.65	19.61	21.51	29	48	27	35.33	23	— 2	18	*p* 3.00	5.4
Wirt Court-House	11.29	25.16	15.39	17.28	27	40	27	37.00	23	—26.5	23	— 7.58	6.9
NORTH CAROLINA—													
Chapel Hill	23.00	34.87	27.48	28.45	27	52	27	40.00	23	1	23	10.60	5.2
Gaston	18.03	33.94	25.68	25.88	27	54	2	*q*36.00	23	—24	23	— 1.33	
Goldsborough (*r*)	29.30	40.50	34.30	34.70	31	55	31	47.80	23	2	12	24.70	4.7
Murfreesborough	23.54	33.48	28.19	28.40	27	52	31	41.00	23	— 4	23	7.00	4.9
SOUTH CAROLINA—													
Aiken	30.77	40.43	36.00	35.73	28	60	28	54.67	19	4	23	21.00	
All Saints	32.74	42.71	35.48	36.98	28	61	31	52.67	23	15	23	20.67	4.4
Camden	25.26	40.45	30.71	32.14	27	59	28	49.00	20	0	19	14.33	5.5
Charleston	35.61	47.06	39.58	40.75	28	66	31	57.00	19	14	19	22.33	
Charleston, [Dawson]	35.54	47.06	39.58	40.73	?	66			?	14			
Edgefield (*s*)	29.07		38.92	22.99	27	*m* 55	28	52.50	19	3	19	14.50	
Edisto Island (*t*)	34.73	44.35	37.08	38.72	17	58	3	50.67	13	19	19	21.00	4.3

a Same temperature on the 27th.
b Same temperature on the 29th.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 26th.
e Same temperature on the 24th.
f Same temperature on the 29th, 30th, and 31st.
g Observations taken at 7½ a. m., 1 p.m., and 6 p. m. Incomplete.
h Same temperature on the 22d.
i Same temperature on the 31st.
j Same temperature on the 25th.
k Observations taken at 9 a. m., 1 p. m., and 4 p.m.
l Same temperature on the 2d and 31st.
m Same temperature on the 28th.
n Observations taken at 8 a.m., 12 m., and 2, 6, and 8 p.m. Mean at 12 m., 35.24; mean at 6 p.m., 22.80.
o P. M. observations discontinued after the 17th of the month.
p Same temperature on the 22d.
q Same temperature on the 17th and 31st.
r Observations interrupted, for the most part, from the 15th to the 25th of the month.
s Observations taken at sunrise and sunset.
t For the first 26 days of the month only.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—	°	°	°	°		°		°		°		°	
Factory Mills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.3
Savannah	35.30	48.00	40.70	41.33	28	66	31	56.27	19	13	19	22.67	4.6
Sparta	31.52	43.48	36.74	37.25	27	64	28	54.67	19	8	22	22.00	5.3
The Rock	30.52	41.32	37.84	36.56	29	62	28	55.33	19	3	19	11.67	5.1
Whitemarsh Island	36.55	47.63	42.03	41.40	31	66	31	57.67	19	13	19	22.67	4.2
Zebulon	34.38	43.10	39.41	38.96	27	67	27	60.33	19	6	19	16.33	5.5
FLORIDA—													
Atsena	45.16	53.48	51.06	49.90	27	68	2	62.67	19	20	19	28.67	2.6
Belair	38.13	50.83	45.13	44.70	28	72	?	?	19	13	?	?	3.6
Gainesville	41.84	59.74	47.26	49.61	1	76	1	66.00	19	17	19	26.67	2.5
Jacksonville	43.19	57.00	45.83	48.67	28	72	28	[a]61.00	19	16	19	26.33	3.3
St. Augustine (*b*)	46.77	56.58	48.93	50.76	31	69	1	64.33	19	19	19	27.33	3.3
Salt Ponds	60.93	66.55	.....	63.74	3	78	3	74.00	20	42	20	48.00	1.8
Warrington	42.74	51.58	49.26	47.86	28	78	28	63.33	19	14	18	31.33	4.3
ALABAMA—													
Ashville (*c*)	.....	.....	.....	32.75	.....	.....	28	57.00	.....	.....	19	8.00	.....
Auburn	29.60	44.10	38.20	37.30	17	65	27	56.67	19	05	19	15.00	5.2
Carlowville	33.19	44.57	38.83	38.86	17	66	27	[d]55.33	19	8	18	15.00	5.6
Greene Springs (*e*)	35.20	43.58	28.70	35.83	27	70	27	61.33	19	4	18	10.00	6.2
Greensborough	33.58	40.33	37.95	37.29	27	61	27	59.10	19	8	19	16.33	6.4
MISSISSIPPI—													
Columbus	31.22	38.71	34.40	34.78	27	64	27	59 70	19	8	18	12.63	6.5
Port Gibson	36.32	44.06	41.03	40.47	27	72	27	65.67	18	14	18	18.00	6.6
LOUISIANA—													
Black River	37.77	49.61	42.02	43.13	27	76	27	67.67	19	13	18	20.33	6.2
New Orleans (*f*)	47.58	57.58	57.35	54.17	28	80	27	72.00	19	32	19	38.00	.....
Trinity	39.48	51.74	43.19	38.14	27	74	27	68.00	19	16	18	22.00	6.0
TEXAS—													
Austin	35.90	52.78	43.00	43.89	27	74	26	65.00	18	12	18	21.00	5.5
Helena	41.84	57.84	47.13	48.94	2	78	27	69.67	19	16	18	24.00	4.8
New Braunfels	38.89	56.03	49.83	48.25	26	77	26	[g]69.33	18	14	18	24.33	4.4
Union Hill	35.58	50.29	48.13	44.67	26	72	27	66.67	18	9	17	27.33	3.0
Washington	36.80	52.40	40.64	43.28	26	76	26	66.67	18	10	18	19.00	5.3
TENNESSEE—													
Glenwood	20.42	28.42	24.51	24.45	27	48	26	42.83	19	— 8	22	2.67	7.2
Memphis	24.78	33.94	29.13	29.38	26	55	26	49.67	18	3	18	6.00	.....
Walnut Grove (*h*)	.....	.....	.....	.....	.....	.....	.....	.....	22	—24	22	— 9.33	6.4
KENTUCKY—													
Danville	16.32	28.78	19.97	21.69	2	49	27	41.33	19	—15	22	— 6.67	6.0
Millersburg	15.68	24.35	69.74	36.59	30	43	27	37.00	19	—22	22	— 8.00	6.2
Paris	14.84	23.45	19.03	19.11	27	41	27	37.67	19	—25	22	—12.33	6.1
Springdale (*i*)	14.22	27.58	21.93	21.24	26	43	27	37.00	19	—24.5	19	— 3.00	6.2
OHIO—													
Cincinnati, [Harper]	16 03	27.42	20.80	21.42	26	44	26	43.00	21	—10	21	— 1.67	5.5
Cincinnati, [Hurtt]	15.97	28.00	20.26	21.41	27	44	27	37.67	23	—10	22	— 3.00	4.9
Cleveland	10.10	20.60	13.40	14.70	27	36	26	30.30	12	—13	18	— 2.00	6.1
Collingwood	11.19	21.03	14.26	15.49	26	40	27	29.67	18	— 8 *j*	22	— 2.67	.....
College Hill	11.94	24.37	16.74	17.68	26	*g* 42	27	38.00	23	—18	22	— 7.20	5.3
Franklin	12.00	23.13	15.97	17.03	27	44	27	37.67	23	—15	22	— 4.00	5.1
Gallipolis	16.03	25.90	20.13	20.69	27	44	27	40.00	23	—15	22	0.00	3.7
Germantown	11.39	21.77	14.26	15.81	26	46	27	35.33	22	—16	22	—10.33	6.2
Granville	12.10	20.87	14.90	15.96	27	43	27	39.33	12	—13	22	— 3.67	5.9
Hillsborough	13.77	21.56	17.31	17.55	27	41.5	27	35.83	23	—11	22	— 5.00	5.6
Hiram	11.23	16.45	12.60	13.43	27	37	27	31.33	22	— 9	22	— 7.00	6.4
Jefferson	9.48	16.97	11.00	12.48	2	*k* 36	27	32.33	25	—12	18	— 4.67	8.2
Madison, [Atkins] (*l*)	15.25	22.05	18.94	18.75	31	41	31	31.00	25	— 7	25	4.00	7.3

a Same temperature on the 31st.
b Observations taken at 8 a. m., 2 p. m., and 10 p. m.
c Hours of observation not reported.
d Same temperature on the 28th and 30th.
e Observations taken at sunrise, 2 p. m., and 9 p. m.
f Observations taken at 9 a. m., noon, and 3 p. m.
g Same temperature on the 27th.
h Lowest temperature only appears to have been registered.
i Observations taken at 7 a. m., 2 p. m., and 6 p. m.
j Same temperature on the 19th, 22d, and 23d.
k Same temperature on the 27th, 28th, and 30th.
l Observations interrupted from the 14th to the 24th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Madison, [Cunningham]	12.84	22.55	12.32	15.90	26	*a* 40	2	30.67	22	— 9 *b*	22	— 1.67	6.5
New Lisbon	12.35	25.68	15.00	17.68	....	43	30	36 67	....	— 9	22	— 3.00	3.1
Oberlin (*c*)	9.13	21.74	13.16	14.68	30	*a* 37	27	30.67	12	—11	18	— 4.67	5.1
Perrysburg (*d*)	11.78	22.19	15.19	16.39	27	48	27	35.70	19	—13	22	0.33	....
Portsmouth (*e*)	16.55	27.00	19.58	21.04	29	47	27	40.33	23	—14	23	— 0.67	6.3
Savannah	10.45	19.84	12.23	14.17	26	*f* 39	27	31.00	8	—20 *g*	22	— 8.33	6.3
Sidney	11.78	26.55	16.80	18.38	29	48	27	38.00	23	—15	22	— 2.67	7.3
Urbana	9.61	21.48	12.55	14.88	26	42	27	34.67	23	—19	22	— 7.00	5.7
West Bedford (*h*)	11.00	19.20	14.30	14.83	27	41	27	33.00	23	—12	22	— 6.00	6.0
Zanesville	11.81	22.36	14.55	16.24	27	43	27	36.00	12	—15	22	— 2.00	9.3
MICHIGAN—													
Battle Creek	9.06	21.42	11.55	14.01	26	36	26	27.33	18	—26	18	—10.00	5.9
Cooper	9.52	18.48	12.52	13.51	26	37	26	24.33	18	—12	18	— 4.00	6.6
Copper Falls Mines	5.63	9.95	6.65	7.41	2	29	2	26.20	23	—14	22	— 8.00	8.7
Grand Rapids, [Currier]	7.77	18.29	13.00	13.02	30	32	10	27.00	18	—28	18	— 9.33	6.6
Grand Rapids, [Streng]	7.13	24.20	15.61	15.65	9	46	9	29.00	18	—28	18	— 8.00	6.9
Monroe	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.0
Romeo (*d*)	9.96	18.83	12.88	13.89	31	35	3	26.66	18	—10	22	— 6.16	7.2
INDIANA—													
Cannelton	18.84	27.06	25.81	16.57	26	48	26	42.00	19	—10	22	1.00	....
Logansport (*i*)	9.00	20.00	16.00	15.00	?	42	....	.....	?	—19	....	.....	....
Michigan City (*j*)	8.45	21.10	13.32	14.29	30	41	30	33.25	23	—24	23	— 7.75	....
New Harmony	15.20	25.70	20.50	20.47	26	48	26	40.67	19	—13	22	0.67	5.6
Richmond	13.61	22.46	18.17	18.08	26	43	30	34.43	23	—14.5	22	— 4.10	5.7
ILLINOIS—													
Athens	5.26	21.38	11.58	12.74	30	46	30	35.00	18	—20 *k*	18	—10.33	5.5
Augusta	5.87	18.03	90.87	11.59	30	45	30	36.67	18	—23	18	—11.67	4.5
Brighton	9.10	21.55	15.07	15.24	29	42	26	34.00	18	—20	18	— 3.33	4.4
Chicago	6.83	15.52	10.25	10.87	30	37	30	31.96	19	*l*—13.5	22	—10.20	4.9
Fremont Centre	3.03	11.06	5.12	6.40	30	34	30	29.00	17	—16 *m*	17	—11.33	3.7
Manchester (*d*)	6.96	23.67	11.51	14.05	30	46	30	35.00	18	—22	18	— 8.00	3.6
Marengo	2.97	14.68	7.10	8.25	30	36	30	30.67	18	—18 *n*	22	—11.33	3.7
Ottawa	5.66	13.68	9.93	9.76	30	39	30	32.00	19	—16	22	— 9.67	3.3
Pekin (*o*)	6.06	11.77	.....	.....	29	38	26	32.00	18	—19	18	— 8.50	7.5
Peoria	7.44	20.38	12 50	13.44	30	43	30	36.12	18	—16	18	— 6.60	4.8
Riley	—0.19	10.16	2.03	4.00	30	39	26	25.67	19	—24 *n*	22	—17.00	4.6
Warsaw	7.13	20.35	12.87	13.45	30	46	30	38.00	18	—22	18	— 6.67	5.9
West Salem	14.68	28.03	20.42	21.04	26	49	26	42.00	19	—10	22	3.33	5.6
MISSOURI—													
St Louis	13.90	24.80	19.20	19.30	26	45	36	39.50	18	—12.5	18	— 2.17	3.9
WISCONSIN—													
Appleton	0.45	13.84	4.74	6.34	30	34	2	28.00	18	—26	18	—14.33	4.7
Bay City	—4.58	8.29	3.29	2.33	9	28	2	21.00	22	—34	22	—18.67	....
Beloit	0.68	14.93	5.16	6.92	30	40	30	33.67	18	—25	22	—14.67	3.7
Janesville	2.55	13.97	6.42	7.65	30	40	30	31.33	18	—23	18	—12.67	4.4
Kenosha	6.48	15.73	9.65	10.62	26	37	30	33.33	23	—16	22	—10.33	4.5
Madison, [Schue]	1.03	8.54	4.48	4.68	26	33	2	28.67	18	—24	18	—15.33	....
Madison, [Sterling]	1.19	10.88	4.15	5.14	30	37	30	30.33	18	—25	22	—12.67	4.1
Manitowoc (*d*)	7.39	19.42	11.48	12.76	30	38	30	33.33	22	—16	22	— 8.33	4.4
Milwaukee, [Pomeroy]	4.26	21.26	6.65	10.72	9	*p* 39	2	28.67	23	—18	21	— 9.00	4.6
Milwaukee, [Winkler]	4.13	12.89	6.23	7.75	30	34	30	23.67	23	—19	22	—13.33	4.3
New London	—3.81	14.10	2.26	4.18	30	34	2	25.67	18	—28 *q*	18	—16.33	4.2
Norway	3.84	13.84	6.65	8.11	30	33	30	30.50	18	—20	22	—13.67	4.5
Platteville	—3.10	10.35	—1.71	1.85	30	36	30	24.67	18	—29	21	—18.00 *l*	3.7
Prescott	7.67	4.61	0.42	4.23	26	28	2	17.33	18	—39	17	—20.00	2.8

a Same temperature on the 31st.
b Same temperature on the 25th.
c For the last 25 days of the month only.
d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Observations taken at 7 a. m., ½ p. m., and 9 p. m.
f Same temperature on the 27th.
g Same temperature on the 12th.
h Observations interrupted from the 5th to the 12th.
i Observations taken at sunrise, noon, and sunset.
j Observations taken at 6 a. m., noon, 5 p. m., and 9 p. m. Mean at 5 p. m. 19.52
k Same temperature on the 19th.
l Same temperature on the 22d.
m Same temperature on the 22d and 23d.
n Same temperature on the 23d.
o Observations taken at sunrise and 1 p. m.
p Same temperature on the 26th.
q Same temperature on the 19th and 23d.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp	
Wisconsin—Continued.	°	°	°	°		°		°		°		°	
Racine	5.96	14 63	10.89	10.49	28	31	30	27.20	23	—17	23	— 9.77	4.6
Waukesha	2.03	12.27	4.20	6.17	30	34	30	29.33	18	—20	22	—13.00	3.3
Iowa—													
Bellevue	—2.26	13.13	1.90	4.26	30	37	26	26.00	18	—32	18	—19.00	4.6
Border Plains	—2.29	9.32	1.19	2.74	29	28	30	21.33	18	—30	17	—15.00	5.1
Fairfield (*a*)	3.90	14.77	7.45	9.53	30	42	30	35.50	18	—24	17	—12.50	....
Fort Madison (*b*)	3.90	15.55	11.87	10.44	30	43	30	36.00	18	—27	18	—12 33	4.7
Franklin	—4.45	6.97	—0.53	0.66	30	33	30	23.00	18	—36	18	—20.30	4.1
Maquoketa (*c*)	—2 93	9.47	0.67	2.40	30	36	29	25.67	18	—27	18	—18.00	5.4
Muscatine	1.16	12.55	4.97	6.23	30	41	30	26.67	18	—30	18	—18.00	4.0
Pleasant Plain	3.48	16.77	7.19	9.15	30	46	30	32.33	18	—27	21	—10.33	4.4
Minnesota—													
Hazlewood	—7.97	1.00	—3.06	—3.34	30	25	1	16.33	5	—32	17	—22.00	3.8
Lake Winnibigoshish	15.85	—2.17	—8.48	—8.83	1	*d* 16	13	6.00	22	—38	22	—24.67	3.8
Princeton	12.81	1.42	—6.26	—5.88	30	28	22	22.33	18	—38	30	—15.33	3.3
Indian Territory—													
Fort Gibson	17.71	.....	.....	.....	26	44	....	.....	18	—20	....	.....	....
Oregon—													
Salem (*e*)	.....	.....	.....	41.34	....	.....	....	.....	7	10	7	19.10	....
California—													
Sacramento	45.32	51.81	48.45	48.53	31	61	30	55.83	9	31	9	36.33	6.8
San Francisco	49.03	54.87	50.87	51.59	29	66	30	60.67	8	36	8	40.33	4.5
Mexico—													
Mirador (*f*)	58.79	74.00	62.97	65.25	....	.....	....	73.69	....	.....	....	53.73	....
Central America—													
Guatemala (*g*)	.....	.....	.....	57.40	....	73	....	.....	....	41	....	.....	....
West Indies—													
Port of Spain, Trinidad	74.79	82.08	77.52	78.13	18	85	6	82.50	14	72	25	76.00	....
St. George's, Bermuda	.....	.....	.....	57.86	5	71	....	.....	13	46	....	.....	....
South America—													
Catharina Sophia, Surinam (*h*)	74.50	82.70	80.00	79.07	4	86	4	81.00	24	70	7	76.50	4.7
Azores—													
Horta, Fayal	57.23	59.48	56.97	57.89	4	*i* 64	6	62.33	27	51	29	53.33	6.1

a Observations taken at 7 a. m., 12 m., 6 p. m., and 10 p. m. Mean at 6 p. m. 12.00.
b Observations taken 6 a. m., noon, and 7 p. m.
c Observations taken at sunrise, noon, and 10 p. m. For the last 15 days of the month only.
d Same temperature on the 2d.
e Hours of observation not reported.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m.
g Maximum and minimum thermometers.
h Observations taken at 6 a. m., 2 p. m., and 6 p. m.
i Same temperature on the 11th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	30.90	33.40	33.46	32.18	?	63	7	54.00	?	0	10	6.00	----
Montreal	20.31	25.69	22.27	22.76	8	46	7	42.67	12	—15	11	— 7.33	7.2
St. John's (*b*)	25.96	28.71	26.32	27.00	9	60	9	55.67	12	— 5	12	— 0.67	----
St. Martin	16.67	28.10	19.75	21.51	7	51	24	41.80	12	—20	11	—12.90	6.1
Stanbridge	23.75	27.75	24.25	25.25	8	60	7	*c* 50.00	12	—16	11	— 8.00	7.0
Toronto (*d*)	25.28	31.41	28.63	28.47	7	50	7	47.08	2	— 6	2	3.72	7.2
Wolfville	25.22	32.32	26.70	28.08	18	56	8	56.33	12	— 9	12	— 3.33	5.4
MAINE—													
Cornish, [Guptill]	21.18	32.86	24.32	26.12	17	56	17	48.67	11	—14 *e*	11	—10.00	5.0
Cornish, [West]	19.86	28.89	23.21	23.99	18	54	18	46.67	11	—15	11	—10.33	5.2
Gardiner	21.82	33.32	25.32	26.82	18	*f* 56	18	45.67	12	—10	11	— 2.67	6.3
Monson	----	----	----	----	----	----	----	----	----	----	----	----	5.9
Perry	23.61	31.54	25.21	26.79	18	56	8	47.33	12	—10	11	— 5.00	5.8
Portland	23.20	36.64	27.66	29.17	18	62	18	51.50	12	—11	11	— 1.83	6.7
Steuben	22.28	29.25	24.46	25.33	25	60	18	46.00*f*	12	—14	11	— 9.00	6.9
NEW HAMPSHIRE—													
Concord	24.32	35.50	29.25	29.69	18	59	18	50.67	12	—14	11	0.67	4.9
Francestown, [Bixby]	25.96	35.07	27.81	29.61	17	*g* 56	18	51.00	11	—10 *h*	11	— 3.00	5.9
Francestown, [Root]	26.27	38.30	28.40	30.99	18	60	16	47.33	11	—11	12	2.83	7.0
Londonderry	25.18	36.57	30.11	30.62	25	62	18	52.67	12	— 8	11	— 3.00	5.3
Manchester (*i*)	22.39	41.21	28.00	30.53	17	62	16	48.00	12	—13	12	4.33	5.3
North Barnstead	----	----	----	----	----	----	----	----	----	----	----	----	6.3
Stratford	19.36	30.29	21.54	23.73	17	54	8	45.67	12	—26	11	—12.00	7.5
West Enfield	22.46	31.57	25.25	26.43	17	57	17	48.33	12	—16	11	— 8.33	5.6
VERMONT—													
Brandon	23.37	32.01	25.82	27.07	17	55	17	49.83	3	—13	11	— 2.00	6.5
Craftsbury	19.93	29.68	22.07	23.89	17	56	17	48.00	12	—21	11	—12.00	6.5
Norwich	22.85	33.11	25.54	27.17	17	52	7	44.33	12	—13	11	— 3.00	6.7
Rupert	26.57	38.07	32.18	32.27	25	62	8	56.40*f*	3	—10	2	6.00	6.5
Shelburn	24.07	31.70	25.04	26.94	8	*c* 54	17	48.67	3	—15	11	— 4.00	6.8
West Fairlee	22.82	39.03	26.11	29.32	7	*c* 52	17	45.33	12	—13	11	— 5.33	----
MASSACHUSETTS—													
Amherst	27.37	36.68	30.34	31.46	25	62	18	48.93	3	— 3	11	5.10	6.1
Boston (*d*)	31.36	42.50	33.89	35.92	18	70	19	57.67	12	— 2	11	7.33	3.8
Bridgewater (*j*)	30.10	39.50	33.07	34.22	25	66	25	55.67	12	— 0.5	11	6.81	5.2
Cambridge	29.86	39.32	32.14	33.77	18	66	18	56.67	12	— 4	11	4.33	6.3
Canton	27.93	38.27	30.59	32.26	18	*f* 65	18	54.00	12	—25	11	5.50	5.3
Florida	----	----	----	----	----	----	----	----	----	----	----	----	6.9
Lawrence (*k*)	26.77	40.87	31.26	32.97	18	67	18	56.33	12	— 6	11	3.16	6.7
Mendon	27.89	37.57	32 21	32.56	25	66	18	55.67	12	— 4	11	8.67	5.7
Nantucket	34.44	38.87	34.28	35.86	7	*c* 52	7	48.33	11	7	11	12.90	5.5
New Bedford	29.84	37.54	31.84	33.07	25	57	25	49.50	12	1	11	7.50	7.0
Newburyport	27.37	38.27	31.98	32.54	18	65	18	55.00	11	*h*— 4	11	1.70	8.7
North Attleborough	29.25	38.89	30.54	32.89	18	66	25	54.00	12	— 3	12	9.67	5.4
Plainfield (*l*)	21.75	32.39	23.54	25.85	18	60	----	----	11	—12 *h*	----	----	----
Richmond	28.07	39.50	31.86	33.14	16	60	17	55.00	11	— 8	11	0.67	6.9
Southwick	----	----	----	----	----	----	----	----	----	----	----	----	5.4
Westfield	27.00	36.79	30.32	31.37	25	63	25	50.67	11	0	11	5.00	6.1
Weymouth	30.14	-------	32.46	-------	25	54	18	51.50	11	2 *h*	11	5.00	----
Williamstown	28.20	34.30	29.54	30.68	18	57	18	51.50	11	5	11	3.20	6.4
Worcester	29.25	37.31	31.64	32.73	18	65	18	57.00	12	— 4	11	5.67	7.1
RHODE ISLAND—													
Providence (*m*)	28.80	39.30	29.90	32.67	25	68	25	55.00	12	— 3	11	7.00	5.4
CONNECTICUT—													
Columbia	29.21	41.68	30.14	33.68	18	72	18	54.33	11	0	11	6.67	5.9
New London	30.07	39.54	31.79	33.80	25	66	25	54.00	11	4	11	8.33	5.8

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at 8 a. m., 3 p. m., and 9 p. m.
c Same temperature on the 17th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 15th.
f Same temperature on the 25th.
g Same temperature on the 18th.
h Same temperature on the 12th.
i Incomplete.
j Observations taken at 7 a. m., 1 p. m., and 7 p. m.
k Incomplete at 2 p. m. and 9 p. m.
l Observations taken at 7 a. m., 9 a. m., 12 m., and 9 p. m. Mean at 9 a. m., 25.71.
m Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Norwich	31.54	38.11	32.30	32.98	25	64	25	51.67	11	0	11	6.67	4.9
Pomfret	28.54	37.25	30.43	32.07	25	64	25	52.33	12	— 3	11	4.67	5.8
Saybrook	29.61	35.46	30.86	31.98	25	50	25	46 00	11	4	11	9.33	5.4
Wallingford	28.20	38.89	30.46	32.52	25	66	25	52.00	3	— 1	11	7.67	5.0
NEW YORK—													
Angelica	29.82	39.61	31.29	33.57	17	63	7	53.33	3	— 8	2	6.00	5.2
Baldwinsville	29.93	35.29	31.39	32.20	17	60	17	56.00	12	1	11	5.00	6.9
Beverly	30.25	38.63	31.89	33.59	25	66	25	56.33	11	5	11	10.33	6.1
Blackwell's Island	32.46	40.04	34.79	35.76	25	64	25	57.33	11	8	11	13.67	5.8
Buffalo (*a*)	28.93	36.54	30.17	31.88	7	61	----	-------	10	1	11	9.33	7.3
Cazenovia	28.00	32.18	28.75	29.64	17	56	17	50.33	11	— 6	11	— 3.00	7.5
Clinton	30.75	37.54	30.86	33.05	7	*b* 61	17	57.00	11	— 5	11	— 1.33	6.3
Fishkill Landing	29.93	40.82	32.57	34.44	25	65	25	53.67	3	4	11	12.33	5.9
Flatbush	30.70	41.40	33 20	35.10	25	65	25	57.60	11	77	11	13.60	5.4
Fordham	34.04	39.11	34.86	36.00	18	61	18	52.67	11	10	11	16.67	----
Houseville	24.28	31.07	25.89	27.08	17	55	17	49.67	3	—10 *d*	11	— 4.33	7.5
Lowville	-------	-------	-------	26.70	17	52	17	42.25	3	—14	2	1.25	----
McGrawville	27.59	34.27	29.70	30.52	17	57	16	50.40	10	0	11	3.53	6.6
Morrisania	30.21	41.43	32.29	34.64	25	68	25	56.33	11	4	11	12.00	5.6
New York city	34.61	43.17	37.11	38.30	25	64	25	57.76	11	9	11	15.50	5.3
Nichols (*c*)	28.25	41.36	30.25	33.32	17	65	7	51.33	3	— 1 *d*	11	7.67	----
Oswego	30.00	36.50	32.61	33.04	17	63	17	55.00	11	1 *e*	11	6.33	7.6
Ovid	30.68	36.04	31.61	32.78	17	62	17	55.00	11	3	11	4.33	6.9
Penn Yan (*f*)	29.05	39.50	32.50	33.68	24	65	24	52.67	?	?	?	?	7.5
Plainville	29.71	36.64	31.29	32.55	17	62	17	53.33	11	2 *e*	11	3.67	7.3
Rochester, [Harkness]	32.00	37.00	33.50	34.17	----	62	----	-------	----	5	----	---------	----
Rochester, [Palmer]	31.82	36.81	34.68	34.44	24	63	24	54.67	11	5	2	12.00	7.7
Sag Harbor	32.14	43.46	33.00	36.20	25	66	25	55.00	11	5	11	12.33	5.2
Saratoga	24.25	38.04	26.68	29.66	8	52	8	45.33	3	—20	11	4.00	4.7
Spencertown	29.18	35.68	29.93	31.60	18	60	17	53.00	11	— 3	11	0.00	6.0
Townsendville	28.96	37.07	29.82	31.95	17	63	17	54.67	11	0	11	4.00	7.0
Troy	29.25	36.02	31.71	32.33	8	56	16	50.20	3	— 1	11	6.00	6.9
Utica	24.75	33.14	26.85	28.25	24	53	16	47.00	3	5	3	4.67	1.8
Wampsville	31.75	39.50	32.32	34.52	17	65	17	58.00	11	— 2 *e*	11	0.67	7.3
Waterford (*h*)	27.63	36.78	29.53	31.43	25	56	17	49.50	3	— 4	11	6.00	----
Wellsville	26.46	38.35	31.31	32.04	17	*g* 60	17	49.33	3	—10	10	8.00	7.5
West Concord	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	---------	6.3
NEW JERSEY—													
Bloomfield	31.54	43.61	33.81	36.32	25	69	25	57.67	11	6	11	13.67	4.8
Burlington	31.71	44.93	37.11	37.92	24	66	25	57.67	3	6 *d*	11	13.67	5.1
Freehold	33.64	46.54	36.21	38.80	16	69	25	59.00	11	7	11	14.50	----
Lambertville	30.91	45.92	34.83	37.22	25	67.4	25	58.10	11	2	11	12.10	5.0
Newark (*i*)	-------	-------	-------	35.97	25	68	25	55.25	3	7 *d*	11	14.00	----
Sergeantsville	30.79	44.36	34.14	36.43	19	*j* 67	25	54.00	3	6 *d*	3	14.67	3.8
PENNSYLVANIA—													
Bedford	30.21	47.02	38.08	38.44	18	74	18	*k* 54.67	3	—11	2	11.83	4.6
Berwick	33.33	43.21	34.39	36.98	24	65	7	*j* 54.67	3	—14	3	5.33	4.4
Cannonsburg	37.14	46.07	41.54	41.58	18	67	18	60.33	3	12	2	19.00	6.9
Carlisle	29.80	45.63	34.76	36.73	18	66	25	54.00	3	—10	3	8.00	4.3
Chromedale	31.53	44.67	35.27	37.16	19	66	25	58.00	3	4	11	13.50	4.5
Easton	29.61	41.10	32.85	34.52	25	66	25	55.33	11	4	3	11.33	5.8
Fleming	29.53	43.64	31.50	34.89	18	67	25	52.67	3	—12	2	9.67	5.5
Gettysburg	28.04	45.54	34.21	35.93	18	70	25	56.33	3	—13	3	10.00	4.2
Harrisburg, [Heisely]	33.21	42.68	37.41	37.77	25	62	25	56.00	3	1	3	12.67	4.9
Lewisburg	30.11	41.49	33.80	35.13	24	62	25	54.13	3	—15	3	6.07	6.6
Meadville	31.61	42.50	34.57	36.23	17	*g* 68	18	57.00	11	— 4	10	7.33	7.2
Morrisville	30.50	45.18	34.39	36.69	19	70	25	56.00	3	4	11	13.33	3.8

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 17th.
c Observations taken at 6 a. m., 1 p. m., and 9 p. m.
d Same temperature on the 11th.
e Same temperature on the 12th.
f Observations taken at sunrise, 2 p. m., and sunset.
g Same temperature on the 24th.
h Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m. Mean at 6 p. m., 31.78.
i Observations taken at 7 a. m., and 6 p. m.
j Same temperature on the 25th.
k Same temperature on the 19th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Moss Grove	29.89	40.82	30.70	33.80	17	66	18	59.00	10	— 5	2	4.67	6.3
Nazareth	29.74	41.42	30.75	33.97	25	64	25	52.67	3	3 *a*	11	12.33	5.7
Norristown	31.75	43.95	36.79	37.50	19	*b* 66	25	58.33	2	6.5	2	14.17	4.6
North Whitehall (*c*)	28.50	41.14	36.11	35.25	25	66	25	59.00	3	— 6	3	10.00	3.6
Paradise				21.00									
Philadelphia	34.23	46.63	38.95	39.94	19	68	25	59.33	11	9	11	15.67	4.7
Pittsburg, [Wilson]	35.04	39.89	37.79	37.57	6	*d* 65	18	60.00	3	0	2	11.00	
Pocopson	31.93	45.71	35.32	37.65	18	68	25	59.00	3	7 *a*	11	13.00	5.0
Shamokin	30.32	42.29	36.68	36.43	18	68	25	57.33	3	—10	3	9.00	5.6
Tarentum	35.39	47.64	39.50	40.84	17	*e* 69	18	60.33	3	— 2	2	13.67	6.4
West Haverford	35.36	47.39		41.37	19	70	25	62.00	11	8	11	14.00	4.6
DELWARE—													
Newark	35.62	47.68	35.04	39.45	19	71	25	59.00	11	8	11	16.67	4.0
MARYLAND—													
Annapolis	32.92	48.00	37.87	39.60	19	69	25	59.33	11	9	11	16.00	4.3
Bladensburg	34.50	49.70	39.52	41.24	19	75	18	*b* 59.67	3	4	3	18.00	4.1
Frederick	33.09	45.56	37.14	38.60	19	69	19	57.50	3	3.5	3	15.67	4.4
Ridge	38.45	50.17	41.21	43.28	19	81	19	52.33	11	12	11	19.50	2.8
Sykesville	31.18	48.71	37.89	39.26	19	73	19	59.00	3	0	2	15.00	4.0
DISTRICT OF COLUMBIA—													
Washington, [Smith Inst.]	34.14	48.68	41.27	42.03	19	72	19	59.83	3	8	11	17.83	4.0
VIRGINIA—													
Alexandria	37.18	52.32	37.18	42.23	19	75	25	62.83	3	11	11	17.83	4.3
Ashland	34.57	52.00	41.18	42.58	17	74	7	62.00	2	6	2	15.00	4.6
Berryville	34.54	46.07	41.24	40.62	25	67	25	57.67	1	12 *f*	3	20.33	4.2
Capon Bridge				38.96			17	64.00			2	12.00	
Crichton's Store (*g*)	44.88	54.74	58.16	52.59	19	77	19	71.33	3	25	11	28.33	4.2
Kanawha	36.07	54.82	41.38	44.09	18	*h* 75	20	63.83	2	12 *a*	2	17.83	4.3
Lewisburg	30.71	49.21	38.07	39.33	19	69	19	56.00	3	4	10	19.33	4.4
Longwood	40.04	54.39	44.86	46.43	19	77	19	65.33	3	15	2	25.00	3.8
Meadow Dale	32.82	48.84	41.75	41.14	18	67	19	58.00	3	4	10	20.67	
Montross	38.41	52.96	43.09	44.82	19	74	19	62.33	11	11	11	18.00	4.2
Mossy Creek	32.91	53.42	37.96	41.43	19	72	25	59.00	3	— 5	3	18.67	4.3
Poplar Grove	33.79	56.89	39.21	43.30	17	78	20	62.67	2	10	2	22.33	4.3
Portsmouth	41.43	58.43	44.93	48.26	19	81	17	66.67	11	18 *i*	11	20.67	2.9
Rose Hill													3.9
Rougement	38.29	53.92	44.19	45.47	19	82	18	69.00	11	8	10	12.33	3.6
Ruthven (*j*)	43.19	61.60	47.94	50.91	19	79	19	63.67	27	30	27	35.00	1.7
Smithfield				46.40	19	79	24	66.00	11	13	11	20.20	
Winchester	35.00	51.25	39.39	41.88	18	74	19	61.33	3	6	3	*a* 19.33	3.2
Wirt Court-House	32.14	49.07	38.32	39.84	17	72	7	58.00	2	— 3	2	10.67	5.1
NORTH CAROLINA—													
Chapel Hill	43.14	61.07	48.64	50.95	19	76	19	64.67	11	21 *b*	11	28.33	4.3
Gaston (*k*)	35.81	58.28	43.24	45.78	19	*l* 80	19	60.00	10	14	3	28.67	
Goldsborough	46.25	63.26	51.76	53.76	19	79	19	68.00	12	22	11	29.10	4.3
Murfreesborough	42.39	57.39	48.07	49.28	19	78	19	65.67	11	20 *i*	11	25.67	3.3
SOUTH CAROLINA—													
Aiken (*m*)	50.50	66.42	59.65	58.86	27	*n* 76	28	66.67	10	33	9	42.00	
All Saints	49.82	63.18	54.46	55.82	21	76	21	67.67	10	31 *o*	11	36.67	3.7
Camden	45.60	66.43	53.40	55.14	19	*l* 78	25	64.67	10	22	11	32.67	5.1
Charleston, [Dawson]	52.82	65.78	56.57	58.39	?	77			?	34			
Charleston, [Johnson]	52.82	65.79	56.57	58.39	19	77	25	67.67	10	34	11	41.33	
Mount Pleasant (*p*)	52.50		54.90	57.63	8	67	16	62.50	10	33	10	34.50	4.4
GEORGIA—													
Factory Mills													4.1

a Same temperature on the 11th.
b Same temperature on the 25th.
c Observations taken at sunrise, noon, and sunset.
d Same temperature on the 18th.
e Same temperature on the 24th.
f Same temperature on the 3d.
g Observations taken at 8¼ a. m., noon, and 4¼ p. m.
h Same temperature on the 20th.
i Same temperature on the 12th.
j For the last 17 days of the month only.
k For the first 21 days of the month only.
l Same temperature on the 2.st.
m Incomplete.
n Same temperature on the 28th.
o Same temperature on the 11th and 12th.
p Observations taken at 8 a. m., 2 p. m., and 9 p. m.; incomplete.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Savannah	50.00	68.34	55.16	57.83	21	79	25	67.87	10	34	11	41.87	3.9
Sparta	49.00	66 29	55.82	57.04	26	*a* 78	25	68.00	10	30	9	38.33	4.0
The Rock	48.18	63.71	57.82	56.57	27	78	25	69.00	9	26	9	36.67	----
Whitemarsh Island	51.07	65.25	55.89	57 40	19	77	25	67.33	10	36	11	43.33	3.0
Zebulon	51.66	64.48	58.94	58.36	18	76	18	69.00	9	32	9	40.00	3.9
FLORIDA—													
Atsena	58.50	67.89	63.18	63.19	6	*b* 74	24	70.00	11	40	11	51.67	2.1
Belair	51.93	-------	60.39	61.37	26	78	26	70.67	10	34	10	39.00	5.9
Gainesville	53.32	73.00	58.79	61.70	20	*c* 80	27	69.33	11	38	10	47.67	1.5
Jacksonville	56 07	71 70	59.59	62.45	28	81	28	72.67	10	40	10	47.33	4.0
St. Augustine (*d*)	60.04	66.32	60.82	62.39	28	81	28	73.67	10	48	10	50.00	3.1
Salt Ponds (*e*)	66.14	73.82	-------	69.98	24	*f* 80	25	76.00	2	57	2	60.00	3.5
Warrington	58.50	66.25	63.71	62.82	20	*g* 75	25	71.33	9	36	9	47.33	4.2
ALABAMA—													
Ashville (*h*)	-------	-------	-------	51 13	----	------	2)	66.00	----	-------	10	35.00	----
Auburn	51.32	66.18	59.61	59.04	26	91	25	*i* 70.67	9	27	9	37.33	2.8
Carlowville	52.25	67.29	58.39	59.31	27	80	26	72.00	9	27	9	38.00	3.0
Greene Springs (*j*)	51.00	73.76	59.05	61.27	26	86	25	72.67	11	24	11	24.00	4.7
Greensborough	52.61	61.15	58.66	57.47	26	74.5	25	71.17	11	27.5	9	37.33	4.1
MISSISSIPPI—													
Columbus	48.29	63.12	53.92	55.11	27	78	25	68.90	11	25	8	35.20	3.8
Port Gibson	52.68	66.89	60.89	60.15	27	81	25	74.00	10	28	8	36.00	4.5
LOUISIANA—													
Black River	55.68	70.20	61.71	62.53	25	*a* 82	25	74.67	9	*k* 30	8	39.00	4.7
New Orleans (*l*)	63.43	71.93	72.93	69.43	25	84	25	80.67	8	*m* 44	9	50.67	----
TEXAS—													
Austin	53.71	68.00	58.79	60.17	15	*a* 78	27	71.00	9	26	8	37.67	5.8
Helena	57.86	70.75	61.79	63.47	3	*n* 80	26	72.67	9	27	8	36.33	5.8
New Braunfels	56.07	69.78	60.57	62.14	6	*a* 81	27	72.67	8	29	8	38.67	5.2
Union Hill	52.29	65.64	64.04	60.66	4	78	18	70.67	8	21	8	38.33	2.1
Washington	57.00	68.70	55.93	60.54	27	86	27	73.67	10	18	10	35.00	4.3
TENNESSEE—													
Glenwood	44.27	57.60	50.19	50.69	27	80	18	65.83	11	16	10	23.83	5.5
Memphis	50.39	60.50	52.14	54.34	17	*f* 75	17	68.33	11	23	9	*k* 30.67	----
KENTUCKY—													
Danville	40.57	56.32	44.75	47.31	7	*o* 75	18	65.00	11	10	10	19.33	4.0
Paris	38.71	49.79	44.64	44.38	17	69	7	62.00	11	11	11	17.00	4.9
Springdale (*p*)	38.95	53.89	50.77	47.87	18	75	17	65.67	11	8	10	18.83	5.9
OHIO—													
Cincinnati, [Harper]	35.23	50.86	44.61	43.57	18	75	18	66.67	2	10	10	17.33	5.6
Cincinnati, [Hurtt]	39.71	56.50	46.93	47.71	18	80	18	72.00	11	9	10	18.00	5.3
Cincinnati, [Lea] (*q*)	41.68	50.39	46.36	46.14	17	*r* 69	18	64.67	11	17	10	20.33	4.7
Cleveland	33.07	42.84	36.82	37.58	24	67	*s* 15	58.67	11	6	10	10.00	7.5
Collingwood	32.57	41.14	36.18	36 63	7	69	7	60.67	11	4	10	7.00	----
College Hill	35.66	49.44	41.82	42.31	18	72	18	64.33	11	3	10	11.20	5.1
Franklin	36 86	47.93	40.32	41.70	7	70	15	60.67	9	*k* 10	1	18.00	5.4
Gallipolis	37.18	51.11	44.71	44.33	17	72	7	60.67	2	*t* 10	2	17.00	1.9
Granville	35.29	47.92	40.89	41.37	18	68	7	60.67	2	0	2	12.33	6.4
Hillsborough	35.74	46.61	41.64	41.33	17	67	18	60.33	11	5	2	13.67	4.9
Hiram	34.45	41.43	38.25	38.04	17	66	6	*r* 59.33	10	3	10	7.00	5.4
Jefferson	32.21	39 79	33.50	34.83	17	*b* 66	15	58.67	1	*u* 0	10	4.67	8.9
Madison, [Atkins]	34.11	41.43	37.00	37.51	17	68	7	62.00	1	*k* 6	10	8.67	6.9
Madison, [Cunningham]	32.79	40.36	33.64	35.60	17	68	17	58.67	2	1	10	7.67	7.0

a Same temperature on the 27th.
b Same temperature on the 24th.
c Same temperature on the 26th.
d Observations taken at 8 a. m., 2 p. m , and 10 p. m.
e Observations taken at 7 a. m. and 2 p. m.
f Same temperature on the 25th.
g Same temperature on the 21st.
h Hours of observation not reported.
i Same temperature on the 26th and 27th.
j Incomplete.
k Same temperature on the 10th.
l Observations taken at 9 a m., noon, and 3 p. m.
m Same temperature on the 9th.
n Same temperature on the 6th.
o Same temperature on the 17th and 18th.
p Observations taken at 7 a. m , 2 p. m., and 6 p. m.
q Observations taken at sunrise, 1 p. m., and 9 p. m.
r Same temperature on the 18th.
s Same temperature on the 17th and 24th.
t Same temperature on the 11th.
u Same temperature on the 2d and 10th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Medina	28.69	40.04	30.98	33.24	24	63	24	56.67	2	*a* 0	10	5.33	----
New Lisbon	36.38	45.85	34.78	39.00	----	68	7	59.34	----	5	10	14.00	3.9
Oberlin	32.43	42.30	35.61	36.78	24	65	7	60.00	11	2	10	9.00	6.1
Perrysburg (*b*)	34.00	43.11	37.46	38.19	25	68	8	61.33	12	4	12	12.33	----
Portsmouth (*c*)	38.75	51.86	44.61	45.07	17	73	7	64.00	11	11	2	18.67	5.4
Savannah	31.71	44.32	35.00	37.01	24	67	7	58.33	2	*d* 0	2	6.00	6.7
Sidney	33.66	47.04	38.55	39.75	18	70	6	58.67	11	— 1	11	13.33	8.2
Urbana	32.21	46.21	38.79	39.07	18	70	18	60.00	2	— 4	2	*e* 10.67	6.6
West Bedford	33.57	42.79	38.86	38.41	17	65	7	58.33	11	4	2	11.33	6.4
Zanesville	34.75	45.75	40.21	40.24	17	69	7	60.67	2	8	2	12.67	8.6
MICHIGAN—													
Battle Creek	27.36	38.61	31.14	32.37	17	58	17	53.00	11	— 3	10	2.67	6.3
Cooper	27.39	35.89	31.29	31.52	17	*f* 56	17	51.67	10	2	10	3.33	6.6
Copper Falls Mines	8.73	16.64	10.67	12.01	16	43	16	35.10	10	—22	10	—16.00	7.4
Grand Rapids, [Streng]	27.07	37.28	32.14	32.16	17	56	17	50.67	10	— 4	10	3.33	7.3
Grand Rapids, [Currier]	25.70	33.46	30.89	30.05	16	55	17	49.67	10	— 3	10	1.33	6.7
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	6.3
INDIANA—													
Cannelton	44.36	54.71	50.21	49.76	18	75	18	68.00	11	15	10	18.00	4.9
Logansport (*g*)	33.00	41.00	38.00	37.00	?	61	----	----	?	3	----	----	----
Michigan City (*h*)	30.54	38.68	32.29	33.84	17	62	17	52.50	1	0	1	4.12	----
New Albany	40.20	48.41	43.68	44.10	18	67	6	61.67	11	13.5	10	17.33	6.3
New Harmony	41.36	51.46	44.89	45.90	17	69	17	62.00	11	12	10	15.67	6.3
Richmond	36.27	45.98	40.60	40.95	18	66	17	59.50	11	15	10	9.17	6.2
ILLINOIS—													
Athens	30.36	43.82	35.03	36.40	17	65	14	*i* 55.33	10	— 5	10	— 2.33	6.2
Augusta	28.57	39.89	33.43	33.96	14	62	14	53.67	10	— 8	10	— 1.67	5.3
Brighton	31.86	44.07	37.61	37.85	17	71	17	62.67	10	0	10	10.00	8.9
Chicago	26.26	35.21	30.92	30.80	17	59	17	49.40	10	— 5	10	— 0.10	6.4
Fremont Centre	24.68	33.54	26.85	28.36	17	52	17	46.33	10	— 4	10	0.00	6.9
Manchester (*b*)	30.50	43.93	34.29	36.24	17	70	14	53.33	10	— 4	10	4.67	6.1
Marengo	24.00	35.54	26.89	28.81	17	56	17	46.00	10	— 8	10	— 0.67	6.5
Ottawa	25.46	36.68	32.14	31.43	6	55	17	48.00	10	— 4	10	— 1.33	5.9
Pekin (*j*)	26.57	37.39	-------	31.98	17	57	17	53.00	10	— 7	10	— 1.50	8.5
Peoria	30.08	41.26	33.83	35.06	6	*k* 59	6	51.17	10	— 1.7	10	5.58	6.0
Riley	23.36	33.19	25.63	27.39	17	52	17	43.67	10	—12	10	— 6.00	6.4
Upper Alton	32.85	46.24	33.08	37.39	17	70	16	58.00	10	0	10	7.33	5.9
Warsaw	29.64	41.04	32.74	34.47	14	64	14	54.00	10	— 9	10	— 1.00	5.8
West Salem	40.50	52.71	44.14	45.78	17	71	17	65.00	11	11	10	14.33	6.0
MISSOURI—													
St. Louis	36.70	47.40	42.20	42.10	17	74	17	62.67	10	5	10	11.50	6.1
WISCONSIN—													
Appleton	16.75	29.29	21.54	22 53	16	47	16	41.33	10	—16	10	—10.35	6.6
Bay City	7.29	20.79	15.89	14.66	16	*k* 42	16	36.67	10	—30	10	—16.67	----
Beloit	23.35	34.07	25.85	27.76	23	52	23	43.00	10	— 8	10	— 4.67	5.6
Janesville	23.61	32.21	26.43	27.42	23	50	23	43.33	10	— 8	10	— 3.67	6.4
Kenosha	25.36	34.39	30.48	30.08	17	*k* 52	17	46.33	10	— 8	10	— 2.33	6.1
Madison, [Schue]	20.15	29.52	23.00	24.32	14	46	14	42.33	10	—16	10	—12.00	----
Madison, [Sterling]	21.43	30.36	23.25	25.01	23	46	23	41.00	10	—13	10	— 7.33	6.7
Manitowoc	23.07	33.94	27.93	28.31	23	*f* 50	17	44.00	10	— 7	10	— 1.33	6.5
Milwaukee, [Pomeroy]	24.68	35.93	27.46	29.36	22	58	17	46.67	10	—11	10	— 2.67	7.1
Milwaukee, [Winkler]	22.66	31.09	25.57	27.72	23	49	17	43.33	10	—12	10	— 6.67	6.6
New London	15.96	28.71	19.96	31.54	16	46	16	41.33	10	—23	10	—13.00	5.9
Norway	24.25	31.61	26.79	27.55	23	48	17	43.33	10	—11	10	— 5.33	6.7
Platteville	20.00	32.75	22.00	24.92	23	47	16	41.33	10	—21	10	—13.67	6.5
Prescott	12.57	27.29	16.18	18.68	16	*k* 46	16	37.67	10	—35	10	—17.00	3.8
Racine	23.81	31.94	27.30	27.68	24	48	17	43.20	10	— 7	1	*e* 1.20	6.3
Waukesha	21.89	29.38	25.52	25.60	6	*l* 46	17	42.33	10	—11	10	— 6.33	6.6

a Same temperature on the 10th and 11th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Observations taken at 7 a. m., 1¼ p. m., and 9 p. m.
d Same temperature on the 11th.
e Same temperature on the 10th.
f Same temperature on the 24th.
g Observations taken at sunrise, noon, and sunset.
h Observations taken at 6 a. m., 12 m, 5 and 9 p. m.; mean at 9 p. m, 35.84.
i Same temperature on the 15th.
j Observations taken at sunrise and 1 p. m.
k Same temperature on the 23d.
l Same temperature on the 17th and 24th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
IOWA—													
Bellevue	21.78	33.50	24.11	26.46	14	*a* 46	23	42.00	10	—14	10	— 8.00	6.2
Border Plains	17.32	26.54	19.68	21.18	16	42	16	39 67	10	—25	10	— 5.67	5.8
Fairfield (*b*)	26.43	37.43	29.36	31.42	23	58	23	49.75	10	—15	10	1.00	----
Fort Madison (*c*)	26.82	36.32	31.67	31.40	14	55	16	48.33	10	—10	10	— 1.00	5.7
Franklin	18.32	27.46	20.21	22.00	16	44	16	40.00	10	—26	10	—15.67	6.1
Maquoketa (*d*)	23.24	31.64	24.39	26.42	23	46	16	40.00	10	—14	10	— 6.67	3.3
Muscatine	24.46	34.36	28.14	28.99	23	57	23	46 33	10	—12	10	— 5.33	6.7
Pleasant Plain	22.89	37.25	28.10	29.41	23	60	16	47.67	10	—17	10	— 2.67	5.5
MINNESOTA—													
Hazlewood	6.82	15.64	10.82	11.09	16	42	23	32.67	10	—28	9	—15.33 *e*	5.0
Lake Winnibigoshish	2.55	17.39	6.67	8.87	23	42	16	33.00	10	—42	10	—21.00	6.5
Princeton	6.00	19.68	10.75	12.14	23	40	16	34.33	10	—40	10	—20.67	5.7
KANSAS—													
Council City	22.85	38.57	27.32	29.58	16	64	16	46.67	10	—12	10	4.00	4.4
UTAH—													
Great Salt Lake City (*f*)	28.61	36.75	30.71	31.97	26	55	26	46.50	8	9	7	17.25	4.3
INDIAN TERRITORY—													
Fort Gibson	38.32	-------	-------	-------	17	64	----	-------	12	12	----	--------	----
OREGON—													
Salem (*g*)	-------	-------	-------	49.15	----	------	----	-------	----	-------	----	--------	----
CALIFORNIA—													
Sacramento	42.84	53.89	50.39	49.04	23	*h* 59	28	53.33	7	34	7	40.33	5.8
San Francisco	49.21	55.50	50.36	51.69	1	68	1	61.00	7	38	6	44.00	5.9
MEXICO—													
Mirador (*i*)	62.60	81.07	59.72	67.80	----	------	----	80.89	----	-------	----	57.20	----
WEST INDIES—													
Port of Spain, Trinidad	75.38	81.75	77.30	78.14	2	88	11	*j* 79.80	7	73	12	*k* 76.00	----
St. George's, Bermuda	-------	-------	-------	61.50	10	72	----	-------	12	52	----	--------	----
CENTRAL AMERICA—													
Guatemala (*l*)	-------	-------	-------	62.67	----	81	----	-------	----	43	----	--------	----
SOUTH AMERICA—													
Cathar'a Sophia, Surin'm (*m*)	73.88	82.31	79.56	78.58	3	85	3	80.50	2	67	2	75.00	5.0
AZORES—													
Horta, Fayal	52.79	56.22	53.36	54.12	21	*n* 62	25	60.67	14	44	14	46.33	6.8

a Same temperature on the 23d.
b Observations taken at 7 a. m., 12 m., 6 p. m., and 10 p. m. Mean at 6 p. m., 32.46.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Observations taken at sunrise, noon, and 10 p. m.
e Same temperature on the 10th.
f Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 31.82.
g Hours of observation not reported.
h Same temperature on the 28th.
i Observations taken at 7 a. m., 2 p. m., and 8 p. m.
j Same temperature on the 24th and 27th.
k Same temperature on the 25th.
l Register thermometer.
m Observations taken at 6 a. m., 2 p. m., and 6 p. m. For the first 16 days of the month only.
n Same temperature on the 24th and 25th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	28.97	.....	30.90	29.93	?	62	31	44.50	?	— 2	2	5.00	....
Montreal	20.95	30.49	25.44	25.63	30	48	30	45.00	3	— 2.5	8	6.33	6.3
Red River Settlement	10.50	23.86	16.77	17.04	30	46	26	36.67	7	—22	7	— 8.67	....
St. John's	26.68	32.26	29.95	29.63	3	45	3	41.00	9	10 *b*	12	13.00	4.5
St. Martin	17.09	32.38	24.10	24.52	31	52	31	40.90	11	—11	12	5.50	5.6
Stanbridge	20.94	31.84	25.03	25.94	24	*c* 48	19	41.00	3	— 3	8	4.33	7.0
Toronto (*d*)	22.62	32.98	27.40	27.67	23	56	30	44.13	2	—57	2	1.10	6.1
Wolfville	24.90	34.04	27.78	28.91	19	51	19	42.70	9	4	8	12.50	5.3
MAINE—													
Cornish, [Guptill]	22.97	33.06	25.03	27.02	31	50	31	41.00	8	2	8	9.00	6.0
Cornish, [West]	22.10	31.90	24.52	26.17	31	52	31	42.00	11	0	8	7.67	5.7
Gardiner	25.03	36.98	28.60	30.20	31	50	29	*c* 41.67	11	— 4	8	14.50	5.8
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Perry	24.13	33.87	27.29	28.43	27	49	27	*e* 39.67	11	5 *f*	8	10.67	5.0
Portland	25.29	36.83	28.82	30.31	31	52	31	43.16	11	5	8	14.67	6.3
Steuben	23.90	32.87	26.77	27.85	31	54	19	40.33	9	7 *f*	8	10.33	6.4
NEW HAMPSHIRE—													
Concord	25.32	37.64	31.10	31.35	31	55	24	45.33	11	2	3	*g* 16.00	4.9
Francestown, [Bixby]	25.29	36.45	27.71	29.82	31	54	31	44.33	3	6 *h*	3	11.67	5.9
Manchester	25.03	38.45	32.19	31.89	24	55	24	44.67	11	— 1	3	15.33	5.2
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.6
West Enfield	22.00	31.97	25.26	29.78	24	55	24	46.67	3	— 2 *h*	8	7.33	6.0
VERMONT—													
Brandon	22.23	33.07	26.48	27.26	31	51	19	40.50	8	— 3 *f*	2	9.00	6.4
Craftsbury	17.55	29.55	22.61	23.24	24	48	24	39.00	3	— 6	7	4.00	6.1
Norwich	21.58	34.06	26.97	27.54	24	52	24	41.67	11	— 5	8	86.70	7.2
Rupert	23.42	37.48	31.32	30.74	30	56	19	48.00	3	0 *f*	3	12.67	6.7
St. Johnsbury	22.00	34.21	22.30	26.17	31	52	24	38.67	11	—16	8	6.67	5.3
Shelburn	21.13	32.03	25.20	26.12	30	48	24	38.33	8	— 7	2	*g* 9.00	6.3
West Fairlee	23.26	34.61	26.84	28.24	24	51	19	42.67	3	0 *h*	2	10.67	....
Woodstock	20.70	31.95	26.44	26.36	24	48	19	39.50	11	—12	7	11.50	6.4
MASSACHUSETTS—													
Amherst	25.97	37.57	30.47	31.34	31	54.5	30	43.40	11	4	3	13.40	5.5
Boston (*i*)	28.71	42.42	33.26	34.80	31	60	31	41.00	11	10 *f*	2	19.00	4.0
Bridgewater (*j*)	29.18	38.92	33.26	33.45	31	53	19	48.17	13	3 *f*	13	16.50	5.0
Cambridge	27.87	39.00	31.43	32.77	24	57	24	46.00	11	6 *f*	2	16.00	5.9
Canton (*k*)	27.80	33.35	26.39	29.18	19	53	19	46.33	13	2	13	16.00	4.7
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.8
Lawrence	26.35	38.51	31.48	32.11	31	55	24	42.67	11	5 *f*	2	16.67	5.2
Mendon	27.30	37.45	30.45	31.73	31	57	31	49.00	11	5	2	15.00	5.1
Nantucket	33.96	39.58	33.46	35.67	31	52.5	31	44.50	3	16.5	3	21.67	4.7
New Bedford	29.56	37.79	31.18	32.84	31	56	31	44.70	13	10	3	17.50	6.0
Newburyport (*l*)	28.02	36.73	30.99	31.91	27	53	31	42.20	13	5	12	15.80	7.7
North Attleborough	28.81	39.56	31.03	33.13	31	57	31	47.07	11	5.5	2	14.90	4.9
Plainfield (*m*)	16.81	30.58	20.97	23.23	24	46	.....	.....	8	— 8	.....	.....	....
Richmond	23.35	34.68	27.87	28.63	31	52	19	45.67	3	— 4	3	7.67	7.1
Southwick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.0
Westfield	26.16	37.16	30.71	31.34	31	54	31	44.73	11	0	3	13.33	5.9
Weymouth	30.26	.....	30.32	30.29	30	49	19	46.50	13	7	13	15.00	4.9
Williamstown (*n*)	24.60	32.84	28.58	28.67	31	48	19	44.50	3	0.5	3	8.00	7.0
Worcester	27.86	38.97	33.03	33.29	31	59	19	49.46	11	5 *f*	2	14.67	7.1
RHODE ISLAND—													
Providence (*i*)	26.90	39.60	30.00	32.17	31	61	31	*c* 46.00	11	6	3	16.33	4.9
CONNECTICUT—													
Columbia	28.52	38.55	28.23	31.77	31	55	31	46.00	3	4	3	12.00	5.6

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 12th and 16th.
c Same temperature on the 30th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 29th, 30th, and 31st.
f Same temperature on the 13th.
g Same temperature on the 7th.
h Same temperature on the 8th.
i Observations taken at sunrise, 1 p. m., and 10 p. m.
j Observations taken at 7 a. m., 1½ p. m., and 7 p. m.
k For the first 20 days of the month only.
l Observations taken at 8 a. m., 2 p. m., and 9 p. m.
m Observations taken at 7 a. m., 9 a. m., noon, and 9 p. m. Mean at 9 a. m., 24.55.
n Observations taken at 7¾ a. m., 2 p. m., and 9 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
New London	29.71	39.29	32.29	33.76	31	55	31	46.33	3	8	3	15.33	5.7
Norwich	26.97	39.00	32.16	32.71	31	56	19	47.00	11	— 1	3	14.00	4.8
Pomfret	26.94	36.21	29.43	30.86	19	50	19	45.33	3	7	2	13.00	5.3
Saybrook	28.97	35.65	31.45	32.02	27	*a* 48	31	42.00	3	9	3	17.00	5.0
Wallingford	26.16	39.02	30.50	31.89	31	57	19	45.83	11	0.5	3	14.33	4.4
NEW YORK—													
Angelica	23.00	30.90	27.35	27.08	23	54	23	46.67	3	—10	2	*b* 4.67	4.2
Baldwinsville	24.03	32.74	27.87	28.21	18	52	18	45.67	3	5	2	9.33	6 5
Beverly	28.48	38.34	33.67	33.50	19	57	31	46.67	3	7	2	15.67	5.2
Blackwell's Island	31.71	39.84	35.48	35.68	31	55	31	47.33	3	10	2	17.67	5.4
Cazenovia	22.35	30.13	23.55	25.34	31	46	18	42.67	3	— 3	2	5.00	7.9
Clinton	24.42	35.26	25.84	28.51	19	54	19	45.00	2	1 *c*	2	*c* 8.00	7.4
Eden	25.13	33.77	28.03	28.98	22	56	23	49.00	2	2	2	3.33	6.1
Fishkill Landing	29.10	40.68	32.65	34.14	31	55	19	46.67	3	7	2	17.33	4.2
Flatbush	30.20	40.40	33.30	34.63	31	57	31	45.90	3	8.5	2	16.33	5.6
Fordham	33.68	40.48	34.68	36.28	31	66	18	53.33	3	10	2	14.00	....
Lowville	.....	.....	.....	24.80	31	46	18	38.50	13	— 6	2	2.50	....
McGrawville	22.71	30.31	23.94	25.65	31	47	18	41.80	10	— 3	10	4.50	6.7
Morrisania	29.81	42.16	32.35	34.77	31	60	31	48.00	3	7	2	14.33	4.6
New York city	33.36	42.55	37.15	37.69	31	59	31	50.13	3	12	2	17.76	5.0
Nichols (*d*)	22.39	37.90	27.06	29.12	18	60	18	47.33	8	— 3	2	10.67	....
Oswego	25.84	35.71	29.68	30.41	31	54	31	45.00	8	4	8	14.00	6.8
Ovid	25.78	33.13	28.81	29.24	18	52	18	45.00	3	6	2	9.00	6.4
Penn Yan (*e*)	24.29	36.71	30.81	30.60	31	*f* 54	18	46.00	3	1	2	12.00	6.3
Plainville	25.07	35.52	25.69	28.76	31	52	23	44.00	11	8	2	10.67	7.8
Rochester, [Harkness]	27.90	36.00	30.10	31.33	....	55	....	.....	....	5	....	.....	....
Rochester, [Palmer]	28.65	36.02	30.55	31.74	23	58	23	49.00	2	9	2	11.10	7.1
Sag Harbor	30.47	41.59	32.60	34.89	16	58	16	*g* 45.67	3	10	3	17.67	4.7
Saratoga	21.84	38.55	28.71	29.70	30	51	19	44.00	8	— 8	8	7.67	4.1
Spencertown	25.80	33.50	30.20	29.83	19	51	19	46.33	3	1 *h*	3	9.00	6.2
Townsendville	24.13	34.94	26.32	38.46	18	55	18	46.67	2	4	2	6.33	6.8
Utica	25.87	35.44	28.56	29.96	31	50	19	45.33	8	4	8	13.33	5.1
Wampsville	26.06	36.87	29.35	30.76	31	55	18	46.33	3	0	2	10.00	7.5
Waterford (*i*)	26.22	37.93	30.29	31.96	30	*j* 56	19	46.50	3	2	2	11.50	....
Wellsville	18.77	35.06	26.29	26.71	18	*k* 56	18	44.00	8	10	2	5.33	5.3
West Concord	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.0
NEW JERSEY—													
Bloomfield	29.56	42.21	33.60	35.12	31	61	31	48.33	11	5	3	16.83	4.3
Burlington	30.24	43.82	36.49	36.85	18	61	18	50.33	3	7	3	17.67	5.2
Freehold	29.47	44.24	33.63	35.78	24	60	18	48.33	3	7	2	16.50	....
Lambertville	29.28	44.89	31.16	35.11	18	62	18	50.37	3	44	2	17.83	4.9
Newark (*l*)	.....	.....	.....	35 81	31	60	31	49.63	11	8.5	3	18.38	....
Sergeantsville	27.13	49.03	34.61	36.92	24	*j* 70	24	50.33	3	6	3	20.00	4.3
PENNSYLVANIA—													
Bedford	23.16	43.97	34.03	33.72	24	69	24	57.00	3	5	2	13.00	5.0
Berwick	30.84	41.58	33.68	35.37	18	*m* 58	18	50.67	2	8	2	14.67	4.2
Cannonsburg	30.43	41.14	35.87	35.81	22	68	22	61.00	3	8	2	15.33	5.4
Carlisle	31.45	42.87	35.87	36.73	18	61	24	54.30	3	12 *n*	2	19.00	4.7
Chromedale	28.92	42.07	33.88	34.96	18	60	24	48.60	3	9	2	17.00	4.9
Easton	30.20	43.25	34.17	35.87	18	62	18	50.00	3	10	10	19.67	5.3
Fleming	26.25	40.90	36.55	34.57	24	65	24	51.00	8	— 3	2	*n* 14.33	4.7
Gettysburg	27.58	43.29	33.19	34.69	24	66	24	55.33	3	6	2	17.00	4.7
Harrisburg, [Heisely]	33.58	43.70	39.10	38.79	18	60	22	51.67	3	14	2	22.33	4.5
Harrisburg, [Hickok]	31.57	42.77	36.68	37.01	18	60	21	51.00	3	13	2	19.00	4.4
Lewisburg	27.49	40.12	33.42	33.68	22	59	22	48.67	8	4	2	14.20	6.1

a Same temperature on the 29th.
b Same temperature on the 7th.
c Same temperature on the 3d.
d Observations taken at 6 a. m., 1 p. m., and 9 p. m.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 18th.
g Same temperature on the 30th.
h Same temperature on the 13th.
i Observations taken at 7 a. m., 1 p. m., 6 p. m., and 10 p. m. Mean at 6 p. m., 33.39.
j Same temperature on the 31st.
k Same temperature on the 2d.
l Observations taken at 7 a. m. and 6 p. m.
m Same temperature on the 22d.
n Same temperature on the 8th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Meadville	23.52	38.71	28.61	30.24	23	70	23	56.00	8	— 3 *a*	2	4.67	5.9
Morrisville	28.35	44.19	33.94	35.49	31	60	18	47.67	3	7	2	*b* 17.67	3.6
Mount Joy	33.71	44.29	38.35	38.78	24	67	24	51.00	8	10	2	19.00	1.4
Nazareth (*c*)	27.11	39.12	28.17	31.47	18	59	18	46.33	3	7	2	13.00	5.5
Norristown	31.90	41.10	34.90	35.97	18	60	18	50.30	3	10	2	17.30	4.8
North Whitehall (*d*)	26.65	40.68	36.68	34.67	18	60	18	48.00	2	13	2	14.00	6.6
Paradise	------	------	------	31.00	----	----	----	----	----	----	----	----	----
Philadelphia	32.55	44.42	37.08	38.02	18	63	18	53.00	3	10	2	17.70	5.2
Pittsburg, [Wilson]	29.13	39.48	33.42	34.01	23	71	23	64.00	3	4	2	8.00	----
Pocopson	30.39	43.81	34.26	36.15	18	60	18	50.00	3	9	2	16.33	5.3
Shamokin	26.61	39.02	34.83	33.49	22	58	22	55.00	8	0	2	14.00	5.9
Tarentum	29.29	44.29	34.52	36.03	23	73	23	60.67	8	6	2	13.33	5.3
West Haverford	31.93	45.68	------	38.80	18	64	18	53.00	3	8	3	18.00	4.7
DELAWARE—													
Newark, (*e*)	29.55	42.77	34.43	35.58	18	62	18	*f* 49.67	3	13	2	20.33	4.2
MARYLAND—													
Annapolis	32.38	45.10	37.14	38.31	21	60	24	52.00	3	10	3	23.66	3.8
Bladensburg	30.43	46.26	36.93	37.87	24	77	24	63.67	8	14	2	19.83	4.6
Frederick	31.76	43.11	35.66	36.84	18	*g* 59	24	54.67	3	13	2	20.67	4.2
Ridge (*h*)	39.05	48.24	38.21	41.83	21	67	24	60.67	3	16	2	22.00	3.5
Sykesville	29.81	45.90	35.24	36 98	24	64	24	57.00	3	6	2	18.00	5.0
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	32.44	46.14	38.50	39.03	24	72	24	60.30	3	12	2	20.60	4.2
VIRGINIA—													
Alexandria	34.06	47.42	40.90	40.79	24	71	24	61.30	3	12	2	22.00	4.3
Ashland	31.54	48.00	35.54	38.36	23	78	23	65.50	3	10 *i*	2	20.00	3.6
Berryville	32.87	43.83	37.18	37.96	24	71	24	60.00	2	13	2	17.00	4.8
Capon Bridge (*j*)	34.40	45.85	36.36	38.87	23	64	31	59.00	2	10	2	13.33	----
Crichton's Store (*k*)	40.70	50.70	52.08	47.83	21	71	21	63.67	8	26	13	31.00	3.6
Kanawha	33.11	48.31	37.53	39.65	23	78	23	66.67	2	10	2	13.33	4.7
Lewisburg	26.21	43.87	31.71	33.93	24	70	24	54.67	3	4	2	8.67	4.2
Longwood	37.32	48.19	39.65	41.72	23	*g* 74	24	68.00	2	11	2	15.67	3.3
Meadow Dale	23.26	41.06	34.55	32.96	23	*g* 68	24	60.00	3	— 2	2	3.67	----
Montross	36.32	46.10	39.74	40.72	24	76	24	66.33	3	11	2	21.33	2.9
Mossy Creek	30.45	47.24	34.97	37.55	24	77	24	64.33	2	9 *b*	2	14.00	4.0
Poplar Grove	30.97	50.90	36.65	39.51	23	83	23	69.00	3	10	2	13.33	4.8
Portsmouth	37.61	54.00	40.10	43.90	24	82	24	67.33	3	15	2	25.33	2.9
Rose Hill	------	------	------	------	----	----	----	----	----	----	----	----	3.4
Rougemont	34.16	51.10	39.61	41.62	24	87	24	71.00	3	10	2	16.33	3.4
Ruthven	35.15	50.65	38.37	41.39	24	82	24	66.00	3	11	3	23.33	1.7
Smithfield	35.81	50.56	41.13	42.50	24	80	24	69.30	3	12	2	24.70	3.5
Winchester	32.03	47.19	35.61	38.28	24	76	24	62.67	3	10	2	15.67	5.6
Wirt Court-House	28.52	45.87	34.90	36.43	23	78	23	64.00	2	8 *i*	2	12.00	5.0
NORTH CAROLINA—													
Chapel Hill	37.84	55.39	43.52	45.58	24	84	24	70.30	3	14	2	24.00	3.8
Gaston (*l*)	36.92	54.25	43.67	44.95	24	82	24	69.33	8	20	8	26.00	----
Goldsborough	41.62	53.90	45.14	46.89	24	79	24	71.80	3	18	2	27.30	3.4
Murfreesborough	36.93	51.22	42.63	43.59	24	79	24	67.67	3	16	2	25.67	2.7
SOUTH CAROLINA—													
Aiken	44.33	58.41	52.00	51.58	24	82	24	70.67	3	24	2	36.67	----
All Saints	42.84	56.52	49.42	49.59	24	*m* 75	25	66.33	3	24	2	34.33	3.6
Camden	39.29	57.53	46.19	47.67	24	80	24	67.60	3	16	3	29.60	4.0
Charleston, [Dawson]	47.32	60.93	52.58	53.61	?	79	----	------	*l*	27	----	----------	----
Charleston, [Johnson]	47.32	60.94	52.58	53.61	25	79	25	69.33	3	27	2	37.33	----
Mount Pleasant (*n*)	49.66	------	51.48	50.57	22	66	23	63.00	3	27	3	32.00	2.9

a Same temperature on the 10th.
b Same temperature on the 3d.
c For the first 26 days of the month only.
d Observations taken at sunrise, noon, and sunset.
e For the first 23 days of the month only.
f Same temperature on the 21st.
g Same temperature on the 24th.
h Observations taken at 7½ a. m., 1 p. m., and 9 p. m.; interrupted from the 11th to the 18th of the month.
i Same temperature on the 8th.
j Observations interrupted from the 8th to the 19th of the month, inclusive.
k Observations taken at 8 a. m., noon, and 5 p. m.
l For the last 24 days of the month only.
m Same temperature on the 25th.
n Observations taken at 7 a. m. and 9 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
GEORGIA—													
Athens (*a*)	41.11	58.10	50.36	49.86	24	78	24	65.50	10	25	9	33.00	3.4
Factory Mills	39.13	58.09	46.67	47.96	24	80	24	67.77	3	21	2	33.17	3.5
Savannah	45.90	62.10	52.10	53.57	24	80	25	69.83	3	29	3	39.17	3.5
Sparta	41.90	59.39	50.52	50.60	24	79	24	68.00	3	26	2	35.33	3.6
The Rock	42.48	59.65	53.97	52.03	25	79	25	71.00	3	*b* 28	2	32.00	----
Whitemarsh Island	47.03	59.94	52.61	53.19	21	*c* 78	25	68.10	3	34	2	40.00	3.4
Zebulon	46.08	56.21	54.37	52.22	24	89	24	73.67	3	28	2	34.67	4.0
FLORIDA—													
Alligator (*d*)	48.84	73.16	56.47	59.49	24	*e* 85	25	70.33	15	35	14	44.00	1.9
Atsena	56.32	64.90	60.48	60.57	23	76	23	70.00	3	36	3	46.33	3.3
Belair	48.74	65.42	56.00	56.72	25	82	25	70.00	3	32	13	45.33	3.2
Gainesville (*e*)	49.77	68.83	56.19	58.26	21	*f* 81	23	*g*68.67	3	32	3	44.67	2.1
Jacksonville	53.45	67.92	55.79	59.05	25	85	25	73.66	3	33	14	44.00	3.3
St. Augustine	58.84	64.84	58.48	60.72	1	*c* 79	1	72.67	3	41	3	47.67	3.2
Salt Ponds (*h*)	68.16	72.55	-------	70.35	12	80	12	*i* 76.00	3	*j* 62	3	*k*65.00	3.3
Warrington	57.94	65.77	60.77	61.49	30	80	25	74.33	7	41	7	43.67	4.1
ALABAMA—													
Ashville (*l*)	-------	-------	-------	42.46	----	------	20	72.00	----	-------	2	30.00	----
Auburn	44.13	58.55	52.77	51.82	24	78	23	69.00	3	28	2	35.33	3.4
Carlowville	46.65	60.48	52.48	53.20	23	*c* 79	24	71.67	12	39	12	37.67	2.8
Green Springs	40.63	65.41	45.68	50.57	22	85	23	65.67	12	25	7	34.00	4.2
Greensborough	47.40	56.68	54.09	52.72	23	*c* 72	23	68.33	12	28	7	36.00	3.6
MISSISSIPPI—													
Columbus	43.21	59.76	49.74	50.90	23	81	23	68.23	12	26	7	33.10	2.9
Port Gibson	48.03	64.35	57.68	56.69	28	84	28	75.33	12	31	7	41.33	3.7
LOUISIANA—													
Black River	50.27	67.36	59.04	58.89	28	86	28	*m*75.00	12	33	12	40.33	3.8
New Orleans, [Barton]	56.02	66.40	61.23	61.22	27	80	27	70.67	8	39	7	45.17	3.5
New Orleans, [Taylor] (*n*)	64.32	70.00	68.68	67.67	25	*o* 82	28	*p*82.00	7	40	7	42.67	----
Trinity	53.07	70.03	61.67	61.59	27	88	28	78.00	12	35	12	43.33	3.6
TEXAS—													
Austin	52.39	69.13	58.03	59.85	29	84	21	73.33	13	26	12	35.67	5.2
Helena (*q*)	59.00	75.39	62.96	65.78	20	*r* 86	22	*c*75.67	13	26	12	36.67	5.6
New Braunfels	54.63	73.43	61.03	63.03	27	*r* 90	31	78.00	13	25	7	44.00	4.9
Union Hill	49.90	65.78	62.61	59.43	28	86	28	73.67	12	26	12	37.00	2.4
Washington	58.19	73.78	55.28	62.42	27	90	27	78.67	12	30	12	38.67	4.6
TENNESSEE—													
Glenwood	36.24	50.95	42.65	43.28	23	80	23	70.53	7	17	7	23.93	4.8
Memphis	45.06	58.58	48.03	50.56	22	83	23	72.33	7	24	7	30.67	----
KENTUCKY—													
Danville	32.71	51.10	39.19	41.00	23	82	23	70.00	7	9	2	17.00	3.1
Paris (*s*)	31.42	44.73	37.42	37.86	23	76	23	67.67	2	10	2	16.33	3.8
Springdale (*s*)	30.10	49.26	43.16	40.84	23	80	23	71.00	10	11	2	*t* 21.00	4.5
OHIO—													
Cincinnati, [Harper]	33.74	48.61	38.84	40.40	23	78	23	66.67	2	*u* 12	2	19.67	3.9
Cincinnati, [Hurtt] (*v*)	29.06	46.72	35.22	37.00	21	68	21	54.67	2	10	7	24.67	3.8
Cleveland	27.89	37.73	31.77	32.46	22	*w* 60	23	52.70	2	5	2	8.30	6.5
Collingwood	28.84	39.48	32.35	33.56	23	67	23	57.33	2	0	2	9.67	----
Edinburg	29.52	37.77	31.94	33.08	23	68	23	57.33	2	16	2	18.67	5.4
Gallipolis	33.13	46.32	37.14	38.86	23	76	23	68.33	2	9	2	14.00	1.6
Hillsborough	29.13	41.76	34.58	35.16	23	73	23	62.30	2	5.5	2	12.00	3.7
Hiram	27.10	37.62	30.32	31.68	23	66	23	54.67	2	4	7	12.00	6.7
Jefferson	26.87	37.00	28.63	30.83	17	*x* 60	22	51.00	2	2	2	6.00	8.9
Madison, [Atkins]	28.77	39.47	32.23	33.49	23	68	23	57.33	13	4	2	9.00	6.2

a For the last 26 days of the month only.
b Same temperature on the 8th and 10th.
c Same temperature on the 25th.
d For the last 19 days of the month only.
e Observations taken at 6 a. m., 2 p. m., and 9 p. m.
f Same temperature on the 22d, 23d, and 24th.
g Same temperature on the 24th.
h Observations taken at 7 a. m. and 2 p. m.
i Same temperature on the 13th.
j Same temperature on the 20th.
k Same temperature on the 9th.
l Hours of observation not reported.
m Same temperature on the 26th.
n Observations taken at 9 a. m., noon, and 3 p. m.
o Same temperature on the 27th, 28th, and 29th.
p Same temperature on the 29th.
q Observations interrupted from the 5th to the 9th of the month, inclusive.
r Same temperature on the 28th.
s Observations taken at 6 a. m., 2 p. m., and 6 p. m.
t Same temperature on the 7th.
u Same temperature on the 10th.
v No observations after the 21st of the month.
w Same temperature on the 24th.
x Same temperature on the 22d.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
OHIO—Continued.	°	°	°	°		°		°		°		°	
Madison, [Cunningham]	29.16	38.77	29.42	32.45	31	59	23	49.33	2	7	2	11.00	5.8
Medina	29.31	38.96	30.44	32.90	23	67	24	48.00	2	2.5	2	2.50	5.2
New Lisbon	31.09	45.22	32.35	36.22	----	77	23	64.67	----	7	2	12.33	3.3
Oberlin	27.70	40.90	31.20	33.27	19	80	23	57.30	2	0	2	7.00	4.8
Perrysburg (*a*)	31.58	44.03	34.26	36.69	23	67	20	*b* 50.00	2	3	1	15.00	----
Portsmouth (*c*)	34.87	48.71	35.52	39.70	23	*d* 79	23	75.00	2	11	2	17.00	4.9
Savannah	26 00	41.65	29.23	32.29	23	74	23	58.00	2	— 4	2	2.00	5.8
Sidney	28.35	44.71	32.53	35 20	23	69	23	60.33	10	— 2	2	11.83	4.6
Urbana	27.35	44.61	31.68	34.55	30	75	23	63.33	10	— 6	2	8.67	5.2
Welchfield	26.10	40.40	29.00	31.83	22	66	22	54.30	3	0	2	6.60	4.4
West Bedford	29.16	39.52	32.00	33.56	23	70	23	60.33	2	2	2	5.67	5.3
Windham	27.81	41.94	29.29	33.01	23	73	23	53.33	8	— 5	7	8.67	----
MICHIGAN—													
Battle Creek	25.29	38.84	27.90	30.68	31	58	31	44.67	2	— 2	2	10.00	5.0
Cooper	25.61	34.71	26.84	29.05	30	56	31	42.67	2	0	2	10.00	3.5
Copper Falls Mines	17.02	24.85	19.44	20.44	30	49	30	42.30	7	— 6	7	— 2.20	4.8
Grand Rapids, [Streng]	23.57	38.90	29.51	30.66	30	*e* 53	31	43.60	2	— 2	2	11.60	5.4
Grand Rapids, [Currier]	21.87	34.39	27.10	27.79	30	54	29	42.00	2	— 3	2	7.67	4.6
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	4.7
Romeo (*a*)	23.37	33.27	26.65	27.76	31	57	23	45.16	2	— 2	2	4.41	6.7
INDIANA—													
Cannelton	35.74	50.35	40.84	42.31	23	80	23	67.33	7	16	7	23.00	3.6
Evansville	33.94	50.23	40.26	41.48	23	76	23	68.33	7	*f* 15	2	17.63	4.7
Logansport (*g*)	29.00	38.00	34.00	34.00	?	64	----	----	?	— 2	----	----	----
Michigan City	25.04	37.18	27.73	29.98	22	56	22	47.33	10	— 3	7	9.42	5.5
New Albany (*h*)	33.13	43.50	36.40	37.68	22	73	22	58.33	10	12	7	20.00	4.6
New Harmony	33.81	47.23	38.97	40.00	22	74	23	68.00	12	14	2	20.00	4.9
Richmond (*h*)	28.43	41.25	33.42	34.37	24	56	24	52.00?	7	11	2	13.33	3.3
ILLINOIS—													
Athens	24.94	41.39	30.23	32.19	22	72	22	65.33	10	—10	9	5.67	5.1
Augusta	26.06	39.12	32.10	32.43	22	68	22	55.33	12	— 2	9	6.00	4.4
Batavia (*i*)	30.14	41.41	34.24	34.36	29	59	30	48.20	10	— 2	10	16.00?	----
Brighton	28.23	40.47	36.53	35.08	24	68	24	56.67	6	*j* 7	9	*k* 18.00	4.1
Chicago	24.09	33.16	27.26	28.17	21	52	21	41.70	12	— 5	7	6.70	5.0
Edgington	24.42	36.39	28.42	29.74	30	60	22	50.67	7	— 4	11	4.67	4.3
Fremont Centre	25.13	36.45	27.22	29.60	30	60	30	47.33	10	— 4	10	10.00	4.7
Manchester (*a*)	28.16	43.84	31.61	34.54	22	74	22	61.00	10	*l* 3	9	11.33	5.0
Marengo	22.26	39.06	26.58	29.30	29	62	29	43.67	7	— 4	7	4.00	5.3
Ottawa	24.55	35.81	29.58	29.98	22	62	22	47.00	10	— 7	11	7.67	3.1
Peoria	26.80	41.69	32.24	33.58	22	66	22	55.25	12	— 1	9	10.00	4.7
Pekin (*m*)	24.23	39.00	36.14	33.12	22	68	22	53.00	12	— 5	7	9.00	5.3
Riley	20.74	35.36	24.19	26.76	30	53	30	42.00	12	—12	7	1.00	4.0
Warsaw	27.45	40.35	32.29	33.36	22	70	22	56.00	12	2	11	16.00	5.1
West Salem	31.23	49.48	38.48	39.73	22	78	22	65.33	10	5	7	19.33	4.5
Winnebago	----	----	----	----	----	----	----	----	----	----	----	----	5.3
MISSOURI—													
St. Louis	33.40	45.90	39.10	39.47	21	74	23	67.33	8	10	10	16.83	4.8
WISCONSIN—													
Appleton	20.30	34.32	25.06	26.56	30	56	31	44.00	2	— 5	7	3.00	4.6
Bay City	10.03	32.65	23.87	22.18	25	*n* 52	30	39.33	2	—18 *o*	6	*p* 2.67	----
Beloit	21.64	38.19	25.93	28.59	30	64	30	46.00	7	— 6 *l*	7	5.33	3.7
Janesville	23.68	37.10	28.19	29.56	30	59	30	43.67	7	0	7	6.67	4.5
Kenosha	24.65	35.58	27.93	29.39	27	52	30	42.50	10	— 1	7	10.50	3.8
Madison, [Schue]	21.71	32.90	25.34	26.65	30	58	30	44.67	7	— 2	7	2.67	8.4
Madison, [Sterling]	22.52	34.10	26.43	27.68	30	59	30	46.67	10	0	7	6.00	4.9
Manitowoc	22.19	35.90	28.97	29.02	31	57	31	49.33	7	0	7	8.33	4.8

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 23d.
c Observations taken at 7 a. m., ½ p. m., and 9 p. m.
d Same temperature on the 24th.
e Same temperature on the 31st.
f Same temperature on the 10th and 12th.
g Observations taken at sunrise, noon, and sunset.
h Incomplete.
i Observations taken at 7 a. m., 9 a. m., 2 p. m., and 6 and 9 p. m. Mean at 9 a. m., 31.47; mean at 6 p. m., 34.52.
j Same temperature on the 10th.
k Same temperature on the 11th.
l Same temperature on the 12th.
m Observations taken at sunrise, 1 p. m., and 9 p. m.
n Same temperature on the 28th.
o Same temperature on the 6th.
p Same temperature on the 7th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
WISCONSIN—Continued.	°	°	°	°		°		°		°		°	
Milwaukee, [Pomeroy]	23.87	39.32	28.74	30.64	27	60	27	45.33	10	— 2	10	5.33	3.9
Milwaukee, [Winkler]	22.35	33.58	25.16	27.03	30	49	31	41.67	10	— 3	7	8.33	4.0
New London	18.58	34.16	23.35	25.36	30	56	30	42.67	2	—10 *a*	7	— 0.33	4.0
Norway	23.55	35.48	26.06	28.36	29	*b* 56	31	44.00	2	4	7	10.00	3.9
Platteville	21.32	38.00	25.90	28.41	30	62	30	48.00	7	—11	7	— 0.67	4.8
Prescott	18.16	34.61	21.06	24.61	29	56	29	43.33	7	—17	7	1.00	3.4
Racine	23.43	34.98	28.70	29.04	21	*c* 48	23	41.40	10	— 2	10	8.30	4 3
Waukesha	22.07	32.11	26.96	27.05	30	56	30	43.00	12	— 1	7	7.33	4.8
IOWA—													
Bellevue	21.42	34.36	25.73	27.17	29	*d* 58	30	45.00	7	— 8	7	2.33	4.8
Border Plains	21.94	34.84	26.23	27.67	29	58	30	47.00	7	—13	7	3.67	5.5
Fairfield (*e*)	26.13	37.26	28.26	31.24	22	60	22	50.25	9	— 5	9	2.75	----
Fort Madison (*f*)	24.45	37.12	32.26	31.28	22	62	22	54.00	12	— 4	9	6.00	5.0
Franklin	20.19	32.77	23.90	25.62	29	58	30	47.67	7	—11	9	— 0.67	4.7
Maquoketa (*g*)	28.81	43.05	32.95	34.94	29	61	31	43.67	12	— 6	10	9.33	5.4
Muscatine	22.94	36.81	27.32	29.02	22	*h* 58	22	47.00	7	— 5 *i*	9	3.33	4.7
Pleasant Plain	21.77	39.74	28.48	30.00	22	66	22	50.67	11	—12	9	2.67	4.4
MINNESOTA—													
Hazlewood	17.32	27.26	21.00	21.86	21	*b* 45	29	*d*38.33	6	—11 *b*	6	— 7.00	4.6
Lake Winnebigoshish	14.72	34.88	24.12	24.57	30	50	30	42.33	7	—22	7	— 6.70	4.4
Princeton	11.84	32.29	20.10	21.41	29	50	30	39.33	7	—24	7	— 9.00	4.4
KANSAS—													
Council City	28.83	44.07	32.80	35.23	22	77	22	60.67	9	*i* 5	11	10.33	4.4
Manhattan (*j*)	29.19	46.81	41.77	39.26	26	76	22	65.67	9	8	6	17.00	5.0
INDIAN TERRITORY—													
Fort Gibson	42.39	------	------	------	23	68	----	------	12	18	----	------	----
OREGON—													
Salem (*k*)	------	------	------	46.50	----	------	----	------	----	------	----	------	----
UTAH—													
Great Salt Lake City (*l*)	35.13	51.22	46.23	44.19	28	68	25	55.50	24	29	13	37.75	5.8
CALIFORNIA—													
Sacramento	51.84	60.81	56.65	56.43	12	*m* 66	13	*n*61.67	23	44	23	51.67	4.2
San Francisco	52.90	62.81	52.87	56.19	13	75	11	63.00	20	*o* 47	25	*p* 51.67	3.7
MEXICO—													
Mirador (*q*)	66.29	81.46	68.74	72.16	----	------	----	82.75	----	------	----	55.92	----
WEST INDIES—													
St. George's, Bermuda	------	------	------	63.70	18	72	----	------	3	51	----	------	----
CENTRAL AMERICA—													
Guatemala (*r*)	------	------	------	63.79	----	81	----	------	----	46	----	------	----
AZORES—													
Horta, Fayal	56.23	59.58	55.55	57.12	24	*b* 64	24	*b*61.33	18	49	18	53.00	7.3

a Same temperature on the 7th.
b Same temperature on the 29th.
c Same temperature on the 23d.
d Same temperature on the 30th.
e Observations taken at 7 a. m., 12 m , and 6 and 10 p. m. Mean at 6 p. m., 33.32.
f Observations taken at 6 a. m., noon, and 7 p. m.
g For the last 22 days of the month only.
h Same temperature on the 29th and 30th.
i Same temperature on the 12th.
j Observations taken at 6 a. m., 1 p. m., and 6 p. m.
k Hours of observation not reported.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 40.14.
m Same temperature on the 13th and 17th.
n Same temperature on the 17th.
o Same temperature on the 21st.
p Same temperature on the 28th.
q Observations taken at 7 a. m., 2 p m., and 8 p. m..
r Register thermometer.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	39.20	38.00	38.13	38.66	?	61	4	50.00	?	10	2	24.00	----
Montreal	36.06	43.39	36.41	38.62	24	56	24	47.16	2	9	2	18.33	6.9
Red River Settlement	21.20	33.70	-------	27.45	23	*b* 50	24	44.00	10	*c* 2	10	*d* 13.00	----
St. John's	36.03	45.20	41.47	40.90	9	60	9	56.00	6	24	6	30.00	----
St. Martin	32.60	43.37	35.70	37.22	19	55	19	*e* 46.00	2	3	2	14.80	5.8
Stanbridge	34.77	42.90	37.27	38.31	6	64	19	47.33	2	7	2	14.33	6.5
Toronto (*f*)	30.90	40.86	33.27	35.01	4	52	4	43.40	2	10	2	20.35	5.4
Wolfville	38.09	48.81	39.35	42.08	10	65	10	53.50	3	17	3	22.53	3.9
MAINE—													
Cornish, [Guptill]	33.73	44.56	36.33	38.31	11	*g* 54	6	49.67	2	*h* 13	2	16.33	5.7
Cornish, [West]	34.17	44.20	36.43	38.27	11	56	6	50.00	2	12	2	16.00	5.6
Gardiner	38.37	47.17	39.40	41.65	24	58	24	51.33	2	19	2	20.67	6.7
Monson	------	------	------	------	------	------	------	------	------	------	------	------	7.0
Perry	33.60	43.73	35.90	37.74	11	49	6	45.33	3	15	2	20.67	6.0
Portland	36.10	44.81	38.54	39.82	24	56	6	47.83	2	19	2	21.56	6.5
Steuben	35.20	43.37	38.73	39.10	24	52	30	46.33	3	18	2	20.33	6.9
NEW HAMPSHIRE—													
Concord	35.90	48.20	42.27	42.12	4	*i* 58	6	55.67	2	14	2	19.33	4.7
Francestown, [Bixby]	36.07	46.30	38.47	40.28	9	*j* 60	6	55.33	2	10	2	16.67	5.8
Manchester (*k*)	36.32	47.95	42.16	42.14	5	*l* 60	6	57.67	2	10	2	21.33	6.8
North Barnstead	------	------	------	------	------	------	------	------	------	------	------	------	6.3
Stratford	31.97	42.03	35.43	36.48	19	59	6	53.00	3	4	2	11.33	----
West Enfield	33.30	45.47	36.79	38.52	9	58	6	54.00	2	3	2	11.00	6.1
VERMONT—													
Brandon	34.81	44.28	36.98	38.69	6	59	6	50.33	2	7	2	15.33	6.9
Craftsbury	30.87	42.27	33.57	35.57	6	54	6	47.00	2	2	2	10.00	6.5
Norwich	35.97	46.97	38.47	40.47	18	62	6	53.00	2	9	2	14.67	6.7
Rupert	33.43	46.83	39.13	39.80	5	*l* 62	5	*l* 57.33	2	10	2	17.33	7.4
St. Johnsbury	31.37	45.07	35.76	37.40	6	59	6	52.00	3	4	2	15.33	5.9
Shelburn	36.30	44.39	36.53	39.07	6	64	6	51.00	2	8	2	16.00	7.1
West Fairlee	39.03	44 09	37.86	40.09	6	56	6	54.33	2	10	2	16.00	----
MASSACHUSETTS—													
Amherst	36.77	46.85	39.49	41.04	5	58	6	51.30	2	14	2	21.00	5.5
Bridgewater (*m*)	37.20	46.97	44.83	43.00	5	59	6	55.83	2	16	2	19.50	5.4
Cambridge	37.23	47.87	40.14	41.75	5	63	6	58.67	2	14	2	18.67	6.0
Florida	------	------	------	------	------	------	------	------	------	------	------	------	6.7
Lawrence	36.33	48.37	40.50	31.73	9	68	6	57.33	2	13	2	17.67	4.8
Mendon	36.57	45.73	38.67	40.32	5	61	5	54.33	2	12	2	17.33	5.3
Nantucket	41.73	46.69	40.25	42.89	6	*n* 54	6	51.00	2	25	2	26.50	5.4
New Bedford	38.03	46.43	39.25	41.24	5	56	6	48.67	2	17	2	21.20	5.7
Newburyport	36.97	47.99	40.86	41.94	6	63	6	57.20	2	14	2	20.80	7.9
Richmond	33.77	44.23	37.70	38.57	5	58	5	49.33	3	16	3	27.33	7.4
Southwick	------	------	------	------	------	------	------	------	------	------	------	------	5.8
Westfield	35.90	47.00	38.70	40.53	5	59	6	48.67	2	14	2	19.67	6.3
Weymouth	38.90	-------	40.13	59.51	6	58	6	58.00	2	17	2	19.50	5.1
Williamstown	36.49	44.58	36.37	39.15	6	61	5	52.00	2	10	2	16.67	6.3
Worcester	36.50	46.62	40.17	41.10	5	60	6	55.67	2	13	2	18.33	6.5
RHODE ISLAND—													
Providence (*o*)	35.90	49.00	38.20	41.03	11	62	6	49.67	2	15	2	19.00	5.5
CONNECTICUT—													
Columbia	39.00	47.73	37.60	41.44	5	61	6	53.00	2	18	2	22.00	5.6
New London	38.97	48.03	40.13	42.38	5	60	28	50.33	2	18	2	26.00	5.5
Norwich	37.70	46.60	42.00	42.10	5	61	6	52.33	2	15	2	20.33	4.9
Pomfret	35.01	44.30	37.54	38.95	5	60	6	50.80	2	13	2	18.50	6.1
Saybrook	37.57	44.23	39.43	40.41	30	56	6	*p* 46.33	2	20	2	23.33	5.2
Wallingford	36.15	48.45	39.20	41.27	5	62	6	50.00	2	15	2	20.83	4.4

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 24th and 28th.
c Same temperature on the 13th and 15th.
d Same temperature on the 13th.
e Same temperature on the 24th.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 12th and 13th.
h Same temperature on the 3d.
i Same temperature on the 6th and 9th.
j Same temperature on the 30th.
k Incomplete.
l Same temperature on the 6th.
m Observations taken at 7 a. m., 2 p. m., and 7 p. m.
n Same temperature on the 26th and 28th.
o Observations taken at 6 a. m., 1 p. m., and 10 p. m.
p Same temperature on the 28th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—	°	°	°	°		°		°		°		°	
Angelica	30.83	43.47	33.30	35.87	30	63	13	48.33	2	*a* 6	2	13.67	6.2
Baldwinsville	35.47	42.67	37.77	38.64	4	55	5	51.00	2	12	2	20.33	6.7
Beverly	37.70	48.21	40.13	42.01	5	*b* 59	5	51.67	2	16	2	21.67	5.2
Blackwell's Island	40.70	48.73	42.80	44.08	5	58	28	52.00	2	19	2	24.67	5.5
Buffalo (*c*)	32.12	42.77	33.78	36.22	30	61	5	51.33	2	12	----	----------	7.0
Cazenovia	31.73	38.40	32.70	34.28	6	56	5	50.00	2	6	2	12.33	7.1
Clinton	36.40	44.37	34.13	38.30	4	60	5	54.67	2	10	2	15.00	7.1
Eden	35.37	40.63	35.30	37.10	30	56	5	51.67	2	10	2	16.33	6.8
Fishkill Landing	36.40	49.93	40.17	42.17	5	*d* 60	5	53.00	2	17	2	22.67	5.0
Flatbush	38.70	47.90	39.90	42.17	25	58	28	49.53	2	17	2	27.33	5.9
Lowville	-------	-------	-------	34.31	30	53	5	48.25	2	7	2	12.50	----
McGrawville	33.26	40.72	33.17	35.72	6	55	5	51.17	2	7	2	13.17	6.6
Morrisania (*e*)	37.65	49.46	38.77	41.96	5	*f* 62	26	51.00	2	15	2	22.00	4.7
New York city	41.67	50.97	43.32	45.32	26	60	26	53.40	2	19	2	25.40	5.4
Nichols (*g*)	30.27	44.65	32.87	35.93	30	*h* 61	5	51.33	2	10	2	14.00	----
Oswego	37.93	42.30	35.50	38 58	5	53	5	51.00	2	13	2	20.33	6.3
Ovid	34.83	40.23	35.80	36.95	6	56	5	52.00	2	10	2	16.00	6.5
Penn Yan (*i*)	32.03	43.93	37.30	37.75	30	*j* 57	5	51.33	2	11	2	18.33	7.0
Plainville	35.27	41.73	34.20	37.07	4	59	5	54.33	2	10	2	19.00	7.8
Rochester, [Harkness]	39.29	42.70	37.10	39.67	----	57	----	-------	----	13	----	----------	----
Rochester, [Palmer]	34.82	42.42	37.60	38.28	4	58	5	54.33	2	13	2	22.67	6.6
Sag Harbor	39.70	50.53	39.90	43.38	26	65	5	52.33	2	19	2	23.33	5.4
Saratoga	34.57	51.00	38.67	41.41	18	*b* 66	6	51.67	2	12	2	21.33	4.0
Sennett	38.87	43.83	37.50	40.07	4	60	5	53.33	2	12	2	18.67	5.9
Spencertown	37.13	46.83	39.50	41.15	5	60	5	53.67	2	9	2	13.00	5.1
Townsendville	35.53	41.97	33.37	36.96	26	57	5	50.00	2	9	2	14.33	6.9
Utica	37.27	44.85	37.05	39.72	5	65	5	56.00	2	11	2	17.33	6.9
Wampsville	37.97	47.03	37.28	40.76	6	62	5	56.67	2	10	2	18.00	7.4
Waterford (*k*)	36.90	47.71	38.23	41.63	30	60	26	49.50	2	13	2	21.75	----
Wellsville	32.10	40 17	33.03	35.10	30	57	5	*b* 47.33	2	6	2	17.00	6.7
West Concord	-------	-------	-------	-------	----	-----	----	-------	----	-----	----	----------	6.6
NEW JERSEY—													
Bloomfield	39.31	49.27	40.50	43.03	5	62	5	52.00	2	16	2	23.67	4.9
Burlington	38.94	48.84	42.10	43.29	5	65	5	57.00	2	20	2	26.67	5.6
Freehold	35.80	49.15	39.23	41 39	5	66	5	55.84	3	17	2	23.67	----
Lambertville	38.70	50.54	38.55	42.60	30	67.3	5	55.73	2	14	2	24.37	4.2
Newark (*l*)	-------	-------	-------	43.40	5	62	6	53 88	2	17	2	24.50	----
Sergeantsville	33.67	53.70	41.70	43.02	30	71	5	53.00	2	10	2	22.33	5.0
PENNSYLVANIA—													
Bedford (*m*)	36.06	51.56	40.94	42.85	30	69	30	53.33	2	*n* 19	2	25.67	5.9
Berwick (*o*)	41.52	50.90	40.70	44.28	30	66	5	59.00	2	20	2	23.33	4.4
Cannonsburg	34.53	44.83	40.07	39.81	30	65·	5	53.33	7	18	5	26.67	6.7
Carlisle	39.29	49.20	41.81	43.43	30	66	5	56.83	2	22	2	28.33	5.8
Chromedale	40.20	48.50	37.90	42.20	10	63	5	44.90	2	21	2	26.30	5.9
Easton	39.03	49.97	38.80	42.60	5	64	5	57.00	2	19	2	23.33	6.0
Fleming	35.80	47.36	37.63	40.26	30	64	30	52.67	2	18	2	25.33	5.9
Gettysburg	36.80	49.33	39.83	41.99	29	72	5	57.33	3	21	2	28.00	5.5
Harrisburg, [Heisely]	41.53	50.69	44.90	45.71	30	67	30	57.00	2	26	2	32.33	5.6
Harrisburg, [Hickok]	39.10	48.97	43.12	43.73	30	66	5	57.00	2	22	2	28.67	5.9
Lewisburg	36.87	48.06	38.75	41.23	30	63	5	54.36	2	16	2	24.00	6.8
Meadville	33.47	42.83	34.33	36.88	4	64	4	50.67	2	16	2	22.00	6.4
Morrisville	38.43	50.80	40.00	43.08	5	64	5	55.00	2	20	2	25.67	4.3
Murrysville	36.77	46.33	37.67	40.26	30	64	5	56.67	7	18	2	25.67	6.6
Nazareth	35.89	48.14	35.77	39.93	30	65	5	50.67	2	15	2	20.33	5.7
Norristown	38.50	47.50	39.70	41.90	30	61	27	52.00	2	21	2	24.30	5.5

a Same temperature on the 7th.
b Same temperature on the 30th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Same temperature on the 11th and 26th.
e For the first 26 days of the month only.
f Same temperature on the 11th.
g Observations taken at 6 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 4th and 26th.
i Observations taken at sunrise, 2 p. m., and sunset.
j Same temperature on the 6th.
k Observations taken at 6 a. m., 1 p. m., 6 p. m., and 10 p. m. Mean at 6 p. m., 43.70.
l Observations taken at 7 a. m. and 6 p. m.
m Observations interrupted from the 12th to the 21st of the month, inclusive.
n Same temperature on the 3d.
o Observations interrupted from the 13th to the 19th of the month, inclusive.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
North Whitehall (*a*)	34.73	46.93	42.53	41.40	5	63	5	54.67	2	15	2	22.00	7.0
Paradise				41.00									
Philadelphia	42 03	51.28	42.98	45.43	5	64	5	58.20	2	23	2	27.67	5.6
Pittsburg, [Wilson]	34.30	43.77	39.87	39.31	30	67	5	56.67	7	16	6	24.00	
Pocopson	38.40	49.33	40.23	42.65	5	*b* 62	5	55.67	2	*c* 22	2	27.67	5.5
Shamokin	31.83	44.57	44.90	40.43	5	*b* 60	5	55.33	3	12	2	21.67	6.3
Tarentum	34.47	46.90	38.97	40.11	26	65	5	56.67	7	20	2	25.00	6.5
DELAWARE—													
Newark (*d*,	45.24	56.03	48.94	50.07	30	70	26	66.67	20	31	20	32.83	5.6
MARYLAND—													
Annapolis	40.73	51.21	42.50	44.81	27	68	27	56.50	7	25	2	32.50	4.8
Bladensburg	39.41	52.60	41.18	44.40	5	70	5	60.33	3	22	2	29.00	5.5
Frederick	40.73	50.02	42.62	44.46	5	65	5	58.17	2	27	2	31.00	5.2
Ridge (*e*)	50.00	54.30	44.50	59.60	28	68	28	60.67	6	30	2	35.00	4.5
Sykesville	39.23	51.35	42.10	44.23	5	66	5	59.00	2	23	7	30.33	4.4
DISTRICT OF COLUMBIA—													
Washington, [Smith Inst.]	40.71	51.30	43.95	45.32	5	67	5	59.67	2	26	2	33.00	5.2
VIRGINIA—													
Alexandria	42.72	53.40	46.40	47.51	5	70	5	61.33	2	27	2	33.00	4.7
Ashland	39.23	51.66	42.50	44.46	30	74	30	64.00	6	26	6	29.00	5.0
Berryville	39.41	48.59	42.76	43.59	5	66	5	60.67	2	24	2	31.33	5.7
Capon Bridge	39.88	49.83	40.47	43.39	4	68	5	60.33	2	*f* 24	2	29.00	5.5
Crack Whip	34.93	46.87	36.50	39.43	4	64	5	55.33	3	16	2	23.67	5.1
Crichton's Store (*g*)	45.86	55.85	55.96	52.56	27	74	27	69.67	2	32	13	35.00	5.1
Kanawha	37.87	52.97	42.30	44.38	30	76	5	61.67	2	*h* 25	6	29.12	6.3
Lewisburg	36.47	49.10	39.57	41.71	8	*b* 70	30	55.33	6	*h* 18	6	26.00	5.9
Meadow Dale	30.23	43.00	39.23	37.49	26	60	5	49.00	2	13	2	23.00	
Montross	42.80	52.77	43.40	46.32	5	72	5	61.33	2	27	11	30.00	6.1
Mossy Creek	37.40	52.36	41.00	43.59	25	70	5	57.67	3	*i* 22	2	*j* 32.67	5.3
Poplar Grove	37.87	54.57	43.07	45.17	30	76	5	60.00	6	*h* 26	6	29.00	6.3
Portsmouth	43.97	56.33	44.13	48.14	27	73	5	62.67	2	30	3	35.00	4.1
Rose Hill	45.18	52.25	49.26	48.90	5	69	27	63.50	2	31	2	35.00	4.9
Rougemont	42.60	57.80	45.37	48.59	26	*b* 73	25	*k* 61.33	2	*h* 25	13	34.67	5.4
Ruthven	43.63	55.44	47.79	48.95	5	71	5	61.00	2	30	2	34.67	3.2
Smithfield	44.30	54.90	45.90	48.37	27	73	27	63.90	2	30	2	34.90	4.9
Winchester	41.00	53.07	41.63	45.23	4	*l* 68	5	58.67	2	22	2	30.00	4.5
Wirt Court-House	34.40	48.83	41.17	41.47	4	*l* 66	5	58.00	7	16	6	28.00	6.4
NORTH CAROLINA—													
Chapel Hill	46.07	61.07	49.13	52.09	26	79	27	66.00	3	*h* 30	13	38.67	4.9
Gaston	40.53	50.93	47.93	46.46	25	*m* 72	27	65.33	7	28	13	36.00	
Goldsborough	48.41	59.79	44.49	50.90	27	77	27	69.30	7	35	2	40.60	5.0
Murfreesborough	42.93	55.53	47.80	48.75	26	*n* 70	27	63.33	3	*h* 30	2	35.00	3.7
SOUTH CAROLINA—													
Aiken	49.33	63.10	54.63	55.69	26	73	25	*k* 65.33	7	28	7	43.67	
All Saints	50.53	62.86	54.47	55.95	18	77	27	69.67	7	35	7	41.33	4.1
Camden	47.66	64.33	50.80	54.26	9	*n* 78	27	68.00	6	*o* 35	7	42.00	4.9
Charleston, [Johnson]	53.97	64.20	56.47	58.21	26	76	27	69.00	7	37	7	44.67	
Charleston, [Dawson]	53.96	64.20	56.46	58.21	?	76			?	37			
GEORGIA—													
Athens	45.86	61.37	51.91	53.05	26	75	30	66.50	7	30	6	36.80	3.7
Augusta	51.96	64.12	57.60	57.89	26	*p* 76	26	70.67	3	39	2	*q* 49.00	
Factory Mills	48.84	64.41	51.66	54.97	18	79	18	65.67	7	34	7	42.50	3.8
Savannah	53.20	67.80	56.70	59.23	27	80	27	70.67	7	38	7	45.93	4.6
Sparta	45.97	64.90	54.67	55.18	30	78	30	67.33	7	30	6	42.67	4.4

a Observations taken at sunrise, noon, and sunset.
b Same temperature on the 30th.
c Same temperature on the 3d.
d For the last twenty days of the month only.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m. Incomplete.
f Same temperature on the 6th.
g Observations taken at 7¼ a. m., noon, and 5½ p. m.
h Same temperature on the 7th.
i Same temperature on the 6th and 7th.
j Same temperature on the 11th.
k Same temperature on the 26th.
l Same temperature on the 26th and 30th.
m Same temperature on the 26th and 27th.
n Same temperature on the 27th.
o Same temperature on the 17th.
p Same temperature on the 29th.
q Same temperature on the 22d.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
GEORGIA—Continued	°	°	°	°		°		°		°		°	
The Rock	47.67	64.67	57.20	56.51	26	77	18	69.33	7	32	6	39.00	4.6
Whitemarsh Island	54.03	64.30	57.33	58.55	27	77	27	69.33	7	40	7	46.67	4.0
Zebulon	51.25	62.10	52.13	55.16	30	76	30	69.66	7	35	6	42.00	4.1
FLORIDA—													
Alligator	54.53	69.93	58.60	61.02	18	85	19	76.33	7	40	24	50.00	3.4
Atsena	59.37	67.73	64.33	63.81	30	80	30	70.69	7	*a* 44	7	53.67	3.0
Belair	51.83	68.14	60.00	59.99	27	75	27	68.67	7	38	7	50.00	3.3
Gainesville (*b*)	52.40	72.20	61.20	61.93	5	81	18	71.33	6	*c* 38	7	49.00	2.2
Jacksonville	57.63	71.73	61.47	63.61	18	81	18	73.00	7	42	7	50.67	3.7
St. Augustine	62.90	69.70	62.43	65.01	18	86	18	78.33	7	59	7	54.00	3.6
Salt Ponds	68.17	73.97	-------	71.07	30	82	30	79.00	24	58	24	61.00	2.7
ALABAMA—													
Ashville (*d*)	-------	-------	-------	49.73	----	------	30	66.50	----	-------	7	38.25	----
Auburn	48.57	63.27	56.10	55.98	30	75	19	70.33	6	36	6	38.67	4.0
Carlowville	50.57	67.50	56.27	58.11	18	*e* 80	28	69.33	6	*f* 32	6	37.67	4.0
Greene Springs	46.71	68.91	50.21	55.28	18	*g* 84	30	72.00	6	28	6	34.33	3.7
Greensborough	50.41	60.18	57.27	55.95	18	77	30	70.00	6	32	6	36.83	4.4
MISSISSIPPI—													
Columbus	47.23	63.79	52.36	54.46	29	76	30	68.90	6	30	6	35.77	3.9
Port Gibson	48.41	64.97	56.41	56.60	28	80	28	70.00	6	30	6	38.67	3.9
LOUISIANA—													
Black River	50.63	67.67	57.93	58.74	21	79	17	74.33	6	32	6	42.33	4.4
New Orleans, [Barton]	54.43	68.00	59.50	60.64	18	*h* 81	18	74.67	13	41	6	46.67	3.1
Trinity	54.20	70.03	59.57	61.27	21	83	17	74.00	6	32	12	45.00	4.2
TEXAS—													
Austin	51.27	69.67	56.60	59.18	29	84	17	*g* 73.33	6	24	18	47.00	5.2
New Braunfels	54.00	75.21	60.33	63.18	17	91	30	79.67	6	31	6	46.67	4.4
Washington	56.13	71.29	55.50	60.97	26	90	21	76.33	11	30	12	44.67	4.6
TENNESSEE—													
Glenwood	40.70	52.88	46.37	46.65	30	71	30	63.17	6	22	6	28.53	5.5
Memphis	49.40	58.83	50.13	52.79	29	76	29	67.00	6	31	6	35.33	----
KENTUCKY—													
Danville	40.43	55.30	42.73	46.15	30	78	30	66.00	6	18	6	23.33	4.2
Millersburg	31 43	46.17	35.67	37.76	23	72	23	61.33	2	10	2	15.67	5.1
Paris	36.67	48.75	40.80	42.07	30	74	30	64.00	2	*i* 23	6	24.67	5.5
Springdale (*j*)	33.42	50.58	44.05	42.68	30	77	30	64.17	6	18	6	24.67	5.8
OHIO—													
Cincinnati, [Harper]	38.80	53.07	42.17	44.68	30	77	30	66.00	6	21	6	24.00	5.6
Cincinnati, [Hurtt]	38.63	54.83	42.40	45.29	30	76	30	64.67	6	*f* 21	6	29.33	4.7
Cleveland	34.60	43.20	35.70	37.83	4	*k* 65	30	55.80	6	20	6	23.00	5.7
College Hill	39.29	49.09	38.87	42.42	30	74	30	63.00	6	19	6	21.80	5.3
Collingwood	34.57	44.07	37.10	38.58	29	65	25	50.00	2	19	2	25.33	----
Edinburg	34.97	42.37	34.70	37.35	4	*k* 60	30	54.67	1	*l* 18	6	22.33	6.2
Gallipolis	37.30	50.20	42.90	43.47	30	72	30	62.00	2	*m* 24	6	26.00	----
Hillsborough	36.03	46.67	39.17	40.62	30	69	30	60.67	6	20	6	21.80	5.1
Hiram	33.40	42.33	35.46	37.06	4	*k* 63	30	53.33	6	*f* 18	6	22.00	7.0
Jefferson	35.60	41.33	35.90	37.61	30	62	4	*k* 52.67	6	22	2	25.33	8.8
Madison, [Atkins] (*n*)	38.76	44.83	36.62	40.07	4	69	4	58.00	6	20	2	24.00	6.2
Madison, [Cunningham]	36.79	42.90	33.13	37.61	4	70	4	57.67	1	*o* 18	2	22.00	6.8
Medina	35.33	42.66	34.55	37.51	30	63	30	51.50	6	18	6	20.67	7.8
New Lisbon	36.87	50.00	40.54	42.47	----	62	5	54.34	----	22	2	27.00	3.7
Oberlin	35.90	44.34	35.57	38.60	30	68	30	57.00	2	*i* 21	2	24.33	5.6
Perrysburg (*p*)	38.17	46.83	38.77	41.26	30	66	30	57.00	6	22	2	30.00	----
Portsmouth (*q*)	40.47	52.77	46.03	46.42	30	72	30	66.33	6	*f* 25	6	27.33	6.3
Savannah	35.07	45.63	34.37	38.36	30	70	30	58 67	6	*f* 18	6	23.33	6.9

a Same temperature on the 23d.
b Observations taken at 6 a. m., 2 p. m., and 9 p. m.
c Same temperature on the 12th.
d Hours of observation not reported.
e Same temperature on the 28th.
f Same temperature on the 7th.
g Same temperature on the 29th.
h Same temperature on the 26th.
i Same temperature on the 6th.
j Observations taken at 7 a. m., 2 p. m., and 7 p. m.
k Same temperature on the 30th.
l Same temperature on the 2d and 6th.
m Same temperature on the 6th, 7th, and 17th.
n Observations interrupted from the 13th to the 18th of the month, inclusive.
o Same temperature on the 2d.
p Observations taken at 7 a. m., 1 p. m., and 9 p. m.
q Observations taken at 7 a. m., ½ p. m., and 9 p. m.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Sidney	35.65	46.57	38.78	40.33	30	70	30	61.33	6	16	6	21.84	7.0
Urbana	33.83	48.03	36.67	39.51	30	71	30	60.33	6	16	6	20.33	6.7
Welchfield	33.43	43.47	34.80	37.23	30	68	30	57.00	1	*a* 18	2	23.00	5.6
Windham	34.30	44.40	36.53	38.41	4	64	4	50.33	6	18	6	24.00	5.1
MICHIGAN—													
Battle Creek	34.20	46.00	35.10	38.43	30	68	30	56.00	2	18	6	22.00	6.2
Cooper	35.43	42.60	34.13	37.39	30	62	30	55.00	2	*b* 20	6	23.33	5.1
Copper Falls Mines	19.45	31.44	25.06	25.32	25	*c* 46	25	38.40	6	8	5	12.50	5.5
Grand Rapids, [Streng]	33.06	47.23	36.70	39.00	30	76	30	58.00	2	19	6	23.67	6.2
Grand Rapids, [Currier]	31.93	43.33	34.50	36.59	29	*d* 66	30	52.67	2	16	6	22.67	4.8
Monroe	------	------	------	------	------	------	------	------	------	------	------	------	6.0
INDIANA—													
Cannelton	41.30	52.60	45.10	46.33	30	73	30	65.33	6	22	6	25.67	5.3
Evansville	38.87	50.73	43.33	44.31	25	70	30	60.67	6	25	6	28.67	4.4
Logansport (*e*)	32.00	44.00	40.00	39.00	?	64	----	------	?	18	----	------	----
Michigan City	34.87	43.32	35.18	37.79	30	64	30	56.92	2	21	6	23.05	6.6
New Albany	39.87	49.97	39.62	43.15	30	77	30	66.00	7	18	6	25.50	6.0
New Harmony	39.67	49.97	42.37	44.00	25	69	30	60.67	6	25	6	27.67	5.9
Richmond	35.81	44.93	40.08	40.27	30	66	30	60.83	6	19	6	22.50	6.4
ILLINOIS—													
Albion (*f*)	35.29	47.94	------	40.81	25	73	----	?	6	19	----	?	5.9
Athens	33.46	49.50	37.23	40.06	29	71	29	58.33	6	15	6	22.00	5.3
Augusta	33.70	46.30	38.46	39.49	29	69	29	57.00	6	15	6	23.67	4.8
Batavia (*g*)	35.37	42.73	35.86	39.17	28	61	28	54.80	15	18	6	25.80	----
Brighton	34.60	39.93	37.40	37.31	29	64	29	60.00	5	19	5	21.00	4.7
Chicago	32.28	39.45	33.40	35.04	4	59	30	49.10	6	16	6	20.40	6.5
Edgington	30.00	43.63	34.83	36.15	30	60	30	53.00	6	*h* 12	6	18.33	4.7
Fremont Centre	35.00	41.67	33.00	36.56	30	64	30	56.00	6	18	6	22.00	6.4
Manchester (*i*)	34.57	50.00	36.57	40.38	25	72	25	60.00	6	15	6	23.33	5.6
Marengo	32.23	43.60	33.53	36.45	30	68	30	56.67	6	*j* 16	6	20.00	6.8
Ottawa	32.13	42.52	36.66	37.10	24	60	30	52.67	6	*h* 16	6	17.67	5.6
Pekin	33.20	45.13	35.80	38.04	29	72	29	59.00	6	16	6	22.00	6.6
Peoria	34.64	49.11	38.05	40.60	29	72	29	59.75	6	*h* 18	6	23.67	6.0
Riley	30.00	43.69	32.33	35.34	29	67	30	54.33	6	12	6	18.00	5.1
Upper Alton	37.10	48.86	40.93	42.30	25	72	25	59.67	6	18	6	24.00	4.1
Warsaw	35.53	47.17	39.30	40.33	29	69	29	58.00	6	17	5	*k* 25.67	5.7
West Salem	38.67	44.20	42.10	41.66	25	*c* 71	30	61.67	6	24	6	25.67	5.4
West Urbana	34.53	46.80	37.73	39.69	25	67	29	57.33	6	17	6	23.00	5.5
Winnebago	------	------	------	------	------	------	------	------	------	------	------	------	5.8
MISSOURI—													
Cape Girardeau (*l*)	40.28	52.45	46.68	46.06	25	71	30	61.37	6	18	6	28.00	5.1
Palmyra (*m*)	32.28	48.16	38.01	39.90	25	70	30	58.25	6	14	6	24.50	5.4
St. Louis	38.97	50.85	43.50	44.44	28	77	25	62.33	6	20	6	27.23	6.2
WISCONSIN—													
Appleton	28.63	42.53	33.33	34.83	30	65	30	55.33	6	12	6	19.00	5.5
Bay City	19.60	35.33	27.27	27.40	24	46	30	40.00	11	— 6	6	16.00	----
Beloit	28.93	45.60	34.43	36.32	29	66	29	*d*50.67	11	12	6	22.33	5.7
Janesville	32.03	44.67	34.70	37.13	29	*d* 64	30	57.00	6	17	6	21.33	6.5
Kenosha	32.37	39.72	34.30	35.46	4	56	29	46.50	6	16	6	20.67	5.6
Madison, [Schue]	29.50	41.83	32.83	34.72	30	65	29	52.00	11	13	6	20.00	4.3
Madison, [Sterling]	30.17	39.79	33.62	34.53	30	63	30	54.67	11	14	6	21.00	5.7
Manitowoc	29.56	42.27	34.20	35.34	30	62	30	50.67	6	15	6	22.33	6.2
Milwaukee, [Pomeroy]	31.80	39.03	31.13	33.99	3	54	30	45.00	6	*n* 15	6	19.33	6.3

a Same temperature on the 2d and 6th.
b Same temperature on the 6th and 7th.
c Same temperature on the 29th.
d Same temperature on the 30th.
e Observations taken at sunrise, noon, and sunset.
f Observations taken at 7 a. m. and 2 p. m. Incomplete.
g Observations taken at 7 and 9 a. m., 2, 6, and 9 p. m. Mean at 9 a. m., 42.06; mean at 6 p. m., 39.83.
h Same temperature on the 15th.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 11th.
k Same temperature on the 6th.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 44.83.
m Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 41.12.
n Same temperature on the 7th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Milwaukee, [Winkler]	31.13	37.70	31.12	33.32	3	54	30	47.00	6	15	6	18.33	6.2
New London	30.06	44.00	32.99	35.68	30	66	30	58.67	6	16	6	23.33	5.4
Platteville	30.73	45.33	33.93	36.66	30	66	29	a55.33	6	12	6	18.67	5.2
Racine	30.42	39.19	32.60	34.07	29	53	27	b41.40	10	15	6	23.00	6.6
Waukesha, [Bean]	41 80	54.50	42.00	46.10	8	73	27	59.67	13	20	12	32.33	5.2
IOWA—													
Bellevue	30.23	43.03	33.56	35.61	28	60	29	53.33	6	16	11	20.33	....
Border Plains	33.17	44.37	34.60	37.38	29	71	29	54.67	6	9	5	18.33	5.9
Fairfield (c)	33.63	45.23	33.93	38.78	30	72	29	56.75	5	d14	5	20.50	....
Fort Madison (e)	31.43	45.16	39.90	38.83	29	69	30	58.00	6	14	6	23.33	5.3
Franklin	31.57	43.13	32.43	35.71	29	68	30	56.00	6	13	5	20.00	4.6
Maquoketa (f)	27.88	42.33	30.73	33.65	3	58	3	46.33	15	16	6	22.67	6.2
Muscatine	29.47	44.70	34.83	36.33	29	65	30	54.33	6	13	6	19.00	4.9
Pleasant Plain	31.50	48.17	34.70	38.12	30	72	30	58.67	6	13	5	23.33	4.6
MINNESOTA—													
Hazlewood	27.90	34.40	27.70	30.00	28	58	28	47.33	5	7	5	7.67	3.8
Princeton	24.13	37.47	27.23	29.61	28	60	29	44.67	6	6	5	14.67	4.0
KANSAS—													
Council City	36.00	52.57	36.20	41.59	28	74	28	57.33	5	14	5	17.33	4.2
INDIAN TERRITORY—													
Fort Gibson	42.40	.....	.....	.....	29	60	....	.....	14	24	....	.....	....
UTAH—													
Great Salt Lake City (g)	41.53	60.47	47.13	49.71	22	77	22	h62.75	2	i28	2	36.00	8.3
OREGON—													
Salem (j)	.....	.....	.....	49.45	....	.....	....	.....	....	.....	....	.....	....
CALIFORNIA—													
Sacramento	57.50	67.07	62.43	62.33	7	k79	7	k70.33	2	48	1	55.00	1.6
San Francisco	56.53	66.87	55.47	59.62	7	83	7	69.67	1	51	2	55.00	3.5
MEXICO—													
Mirador (l)	71.73	81.36	72.61	75.23	....	.....	....	90.72	....	.....	....	63.12	....
WEST INDIES—													
St. George's, Bermuda	.....	.....	.....	62.90	7	73	....	.....	1	53	....	.....	....
CENTRAL AMERICA—													
Guatemala	.....	.....	.....	68.90	....	89	....	.....	....	52	....	.....	....
SOUTH AMERICA—													
Catharina Sophia, Surinam (m)	73.67	85.73	82.97	80.79	19	89	30	82.50	20	n67	30	82.50	3.6
AZORES—													
Horta, Fayal	58.50	61.50	55.70	58.57	15	67	20	o62.00	6	49	8	55.00	6.2

a Same temperature on the 30th.
b Same temperature on the 28th.
c Observations taken at 7 a. m., 12 m, 6 p. m, and 10 p. m. Mean at 6 p. m., 42.33.
d Same temperature on the 6th and 15th.
e Observations taken at 6 a. m., noon, and 7 p. m.
f For the first 16 days of the month only.
g Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 51.43.
h Same temperature on the 23d.
i Same temperature on the 5th.
j Hours of observation not reported.
k Same temperature on the 12th.
l Observations taken at 7 a. m., 2 p. m., and 8 p. m.
m Observations taken at 6 a. m., 2 p. m., and 6 p. m.
n Same temperature on the 25th.
o Same temperature on the 21st.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	53.26	51.86	51.86	52.56	?	88	25	74.00	?	30	11	35.00	....
Montreal	51.14	60.94	52.22	54.77	24	*b* 84	25	79.33	11	31.5	5	40.03	6.8
St. John's	44.74	53.45	47.58	48.59	30	70	30	63.67	26	32	15	37.00	....
St. Martin	45.12	61.96	51.20	52.76	25	87	25	73.80	12	30	11	36.30	4.6
Stanbridge	48.81	60.00	50.68	53.16	25	82	27	70.00	11	32	11	35.33	4.8
Toronto (*c*)	44.45	53.77	47.14	48.45	25	72	25	63.85	11	28	11	31.95	6.1
Windsor	49.04	59.71	49.40	42.72	25	79	25	68.50	11	33	12	37.50	5.3
Wolfville	49.57	60.45	48.50	52.84	28	75	29	69.83	11	34	12	39.30	3.8
MAINE—													
Cornish, [Guptill]	48.87	59.00	49.67	52.51	25	80	25	73.00	2	*d* 36	17	37.00	5.2
Cornish, [West]	48.06	57.74	48.32	51.37	25	81	25	70.33	11	33	11	37.67	5.5
Gardiner	56.64	61.61	51.45	56.57	25	81	25	66.00	1	41	11	43.67	6.4
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.8
Perry	44.03	55.39	45.52	48.31	24	70	31	60.33	12	33	11	39.67	5.4
Portland	48.44	56.69	49.10	51.41	25	75	25	65.77	1	39	17	42.57	5.7
Steuben	47.87	55.71	46.60	50.06	31	71	25	61.33	1	32	1	39.33	5.3
NEW HAMPSHIRE—													
Concord	50.10	64.32	52.20	55.54	24	87	25	70.67	1	35	16	42.33	5.4
Francestown, [Bixby]	50.23	60.32	51.26	53.94	25	81	25	72.00	11	36	11	38.33	5.3
Manchester	50.62	61.79	53.62	55.34	25	86	25	72.33	1	37	11	41.67	5.7
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.6
Shelburne	48.60	65.20	50.93	54.91	25	93	25	73.70	11	35	11	38.67	5.7
West Enfield	47.61	59.87	50.19	52.56	25	84	25	74.00	11	32	15	33.33	4.8
VERMONT—													
Brandon	47.59	60.25	50.94	52.93	25	83	25	71.50	11	31	11	35.16	5.3
Craftsbury	44.03	57.84	48.23	50.03	26	79	25	69.00	11	26	11	31.00	5.8
Norwich	47.74	62.00	50.68	53.47	26	86	25	69.33	11	33	11	36.33	....
Rupert	47.23	62.55	56.19	55.32	24	*b* 78	25	73.33	12	30	11	39.33	6.0
St. Johnsbury	42.33	61.94	48.42	50.90	26	84	26	67.33	12	25	11	33.00	5.3
Shelburn	51.03	61.07	49.10	53.73	25	85	27	72.33	11	30	11	33.33	4.9
West Fairlee	45.94	59.84	51.48	52.42	25	82	25	73.33	12	31	11	35.67	....
MASSACHUSETTS—													
Amherst	55.07	63.05	52.13	56.75	26	86	25	70.43	12	40	16	43.30	5.5
Bridgewater (*e*)	50.84	59.19	52.68	54.24	26	77	24	62.67	1	41	16	44.17	4.6
Cambridge	50.45	62.13	51.94	54.84	25	86	25	69.00	17	37	17	40.00	5.3
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.2
Lawrence	48.45	61.52	52.61	54.19	25	86	25	70.67	12	36	17	40.00	4.1
Mendon	52.48	60.90	51.35	54.91	26	88	25	74.67	13	36	18	42.33	5.6
Nantucket	51.88	58.66	49.70	53.41	24	72	27	61.83	1	41	17	45.50	4.8
New Bedford	51.40	59.60	49.80	53.60	26	81	26	69.00	1	41	16	45.00	6.3
Newburyport	51.18	59.99	52.67	54.61	25	89	25	75.60	11	40	16	43.33	8.2
Southwick (*f*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.8
Westfield	48.52	62.35	52.10	54.32	26	85	25	70.00	1	36	16	42.33	5.9
Weymouth	52.25	.....	51.27	.....	25	70	25	69.00	17	*g* 40	1	38.00	4.2
Worcester	51.13	61.90	53.10	55.38	26	85	25	71.33	19	39	16	42.00	6.5
RHODE ISLAND—													
Providence (*h*)	46.50	59.70	49.20	51.80	26	85	26	66.00	1	34	1	41.33	5.3
CONNECTICUT—													
Columbia	53.58	61.75	50.71	55.35	26	86	26	74.00	16	37	16	42.67	5.6
New London	51.10	59.23	51.29	53.87	24	76	24	69.00	1	*i* 41	1	44.67	4.9
Norwich	51.32	63.00	53.03	55.78	26	81	26	70.33	12	38	20	44.33	4.7
Pomfret	49.39	59.50	48.90	52.57	26	81	24	*b* 66.60	12	37	16	41.20	5.4
Saybrook	49.97	56.94	51.00	52.64	26	74	26	63.00	1	41	19	45.33	5.7
Wallingford	49.20	62.80	51.65	54.55	26	84	26	68.67	1	36	1	42.33	4.7
NEW YORK—													
Angelica	47.48	60.77	47.13	51.79	24	*j* 83	26	68.33	11	30	11	31.00	4.8
Baldwinsville	47.77	58.87	51 29	52.64	26	81	26	70.33	11	32	11	34 33	5.2

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 25th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 12th.
e Observations taken at 7 a. m., 2 p. m., and 7 p. m.
f Incomplete.
g Same temperature on the 18th.
h Observations taken at 6 a. m., 1 p. m., and 10 p. m.
i Same temperature on the 12th and 17th.
j Same temperature on the 26th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Beverly (*a*)	49.80?	64.93?	53.50?	56.08	25	81	?	.....	1	43	1	43.00	5.9
Blackwell's Island	54.13	61.42	55.42	56.99	25	77	25	70.00	1	*b* 44	19	45.00	5.3
Buffalo (*c*)	41.26	53.96	43.17	46.13	25	75	....	.....	12	28	12	33.67	6.0
Cazenovia	47.29	56.16	47.32	50.26	26	84	26	73.67	11	27	11	30.00	6.2
Clinton	50.90	61.29	50.26	54.15	26	89	26	77.67	11	32	11	36.00	6.4
Eden	50.94	57.65	51.16	53.25	9	*d* 82	23	73.00	11	29	11	34.00	6.0
Fishkill Landing	50.03	64.00	55.61	56.55	26	85	26	74.00	18	37	11	44.33	4.5
Flatbush	52.40	62.30	52.90	55.87	26	79	26	67.33	11	42	19	43.50	5 5
Lowville	.....	.....	.....	48.79	26	84	26	69.75	12	25	11	30.00	....
McGrawville	49.30	57.29	49.34	51.98	26	78	26	70.40	11	29	11	32.43	5.8
Morrisania	53.65	68.74	54.35	58.91	25	93	25	75.00	11	41	19	44.67	4.7
New York city	55.10	64.54	57.03	58.89	25	82	23	72.56	19	43	19	44.33	5 2
Nichols (*c*)	43.71	63.52	48.58	51.94	25	88	27	68.67	12	26	11	34.00	....
Oswego	51.58	57.94	49.52	53.01	26	88	9	70.33	11	32	11	35.33	5.0
Ovid	49.55	58.55	51.16	53.09	26	85	25	73.67	11	28	11	32.00	5.6
Penn Yan (*e*)	43.71?	61.19	51.19	52.03?	24	*f* 85	25	69.00	12	24	11	35.67	6.6
Plainville	50.58	62.68	48.65	53.97	26	92	26	72.00	11	31	11	33.00	7.5
Rochester, [Harkness]	54.50	59.00	51.10	54.87	....	85	....	.....	....	32	....	.....	....
Rochester, [Palmer]	50.35	60.22	52.39	54.32	25	86	25	75.33	11	32	11	37.67	7.5
Sag Harbor	50.58	66.18	51.76	56.17	26	82	24	70.33	1	*g* 42	19	46.00	5.1
Saratoga	48.42	66.58	53.52	56.17	26	90	27	72.00	13	36	17	43.33	4.3
Spencertown	49.68	59.52	51.65	53.62	25	*h* 81	26	74.00	13	36	11	38.67	4.9
Utica	51.03	59.53	51.73	54.10	26	83	25	75.67	11	34	11	38.67	5.1
Wampsville	52.42	64.58	52.13	56.38	26	92	26	76.00	11	34	11	37.33	5.5
Waterford (*i*)	52.11	63.01	53.04	56.05	26	86	26	75.33	11	39	11	42.00	5.8
Wellsville	47.03	57.32	46.34	50.23	25	89	24	67.67	11	26	11	31.67	6.9
West Concord	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.2
NEW JERSEY—													
Bloomfield	52.92	67.52	54.73	58.39	25	88	25	71.83	1	41	19	43.83	4.8
Burlington	53.61	65.87	57.26	58.91	26	81	26	73.00	19	43	19	44.00	5.2
Freehold	50.45	65.74	54.81	57.00	25	85	31	71.67	1	33	1	41.67	....
Lambertville	53.22	70.62	54.88	59.57	26	90	26	73.80	1	29	19	41.70	4.6
Newark (*j*)	.....	.....	.....	57.25	25	81	26	69.25	1	36	19	44.38	....
Sergeantsville	52.19	69.26	59.81	60.42	26	87	31	79.67	1	35	1	42.00	3.8
PENNSYLVANIA—													
Bedford	51.27	67.00	55.08	57.78	25	88	25	73.67	7	*k* 40	19	41.67	5.5
Berwick	54.22	65.87	56.32	58.80	25	*h* 87	26	76.33	11	40	11	*l* 42.67	4.3
Cannonsburg	50.45	61.87	56.42	56.25	25	80	25	69.33	7	*g* 38	11	42.00	6.6
Carlisle	53.16	64.96	55.11	57.74	26	84	26	72.33	20	41	19	42.33	4.9
Chromedale	54.29	66.03	56.52	58.95	26	83	31	72.06	1	40	19	42.60	5.2
Easton	50.81	64.08	54.97	56.62	26	84	26	72.67	11	39	19	41.33	5.3
Fleming	48.51	63.18	53.87	55.19	25	84	26	68.00	12	38	1	45.33	5.6
Gettysburg	53.74	69.48	57.52	60.25	25	88	24	75.00	12	41	19	43.33	4.8
Harrisburg, [Heisely]	55.81	68.42	61.42	61.88	26	89	26	77.33	20	43	19	46.33	4.6
Harrisburg, [Hickok]	52.06	65.34	59.13	58.84	25	*h* 84	24	72.50	12	*m* 40	19	42.33	5.3
Lewisburg	50.97	64.91	55.81	57.23	26	85	26	73.43	12	37	11	41.73	6.3
Meadville	50.13	62.26	50.77	54.39	24	88	25	71.33	11	32	11	35.33	6.6
Morrisville	53.16	65.23	54.61	57.67	26	82	26	70.00	19	40	19	41.67	4.0
Murrysville	53.87	64.71	53.16	57.25	25	85	26	71.00	11	37	11	41.67	6.9
Nazareth	51.17	64.53	50.48	55.39	25	85	25	70.67	19	37	19	39.33	5.2
Norristown	51.96	62.57	54.63	56.39	26	81	26	71.33	18	40	19	42.93	5.6
North Whitehall (*n*)	47.94	65.16	58.74	57.28	26	86	26	74.67	13	34	20	42.00	6.8
Paradise	.....	.....	.....	64.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	56.94	67.75	58.92	61.20	26	86	26	76.00	19	42	19	43.33	5.5
Pittsburg, [Wilson]	49.94	62.45	54.39	55.59	9	87	9	73.67	11	32	11	37.00	....

a Incomplete.
b Same temperature on the 11th, 12th, and 19th.
c Observations taken at 6 a. m., 1 p. m., and 9 p. m.
d Same temperature on the 23d.
e Observations taken at sunrise, 2 p. m., and sunset.
f Same temperature on the 25th and 26th.
g Same temperature on the 12th.
h Same temperature on the 26th.
i Observations taken at 1 p. m., instead of 2 p. m., on the 3d, 10th, 17th, 24th, and 31st.
j Observations taken at 7 a. m. and 6 p. m.
k Same temperature on the 11th and 19th.
l Same temperature on the 19th.
m Same temperature on the 20th.
n Observations taken at sunrise, noon, and sunset.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. Date.	HIGHEST DEG. Temp.	WARMEST DAY. Date	WARMEST DAY. M'n temp.	LOWEST DEG. Date.	LOWEST DEG. Temp.	COLDEST DAY. Date.	COLDEST DAY. Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°	°			°	
Pocopson	53.68	65.35	56.32	58.45	24	85	31	73.00	11	40	19	43.00	5.7
Shamokin	45.35	62.45	55.77	54.52	25	90	25	*a*72.00	12	*b* 28	12	38.67	5.7
Tarentum	50.26	66.10	53.77	56.71	25	88	31	72.00	11	35	11	40.67	5.8
West Haverford	53.03	67.29	------	------	26	85	26	73.50	20	38	19	41.00	5.3
DELAWARE—													
Newark	56.90	69.22	59 93	69.22	10	83	25	74.67	20	39	20	45.33	5.1
MARYLAND—													
Annapolis	56.80	70.80	58.60	62.07	26	82	31	74.16	20	43	19	45.33	4.2
Bladensburg	56.08	71.41	57.72	61.74	25	89	25	73.33	19	41	19	43.67	5.4
Frederick	57.02	66.78	58.34	60.71	25	83	26	73.33	19	41	19	43.00	5.3
Ridge (*c*)	63.69	65.15	60.64	63.16	25	85	25	79.00	20	44	19	48.50	3.6
Sykesville	57.90	68.58	58.10	61.53	25	82	25	74.00	19	39	19	41.67	4.7
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	55.44	68.52	59.90	61.29	25	84	31	74.33	19	41	19	43.80	5.3
VIRGINIA—													
Alexandria	58.58	69.87	61.68	63.38	25	84	31	76.33	19	42	19	45.33	5.2
Berryville	53.58	64.13	58.68	58.80	10	*d* 79	26	71.33	19	40	19	42.33	5.6
Capon Bridge (*e*)	52.07	69.25	58.50	59.94	25	87	?	-------	11	42	?	--------	5.0
Crack Whip	51.45	63.39	53.26	56.03	25	82	25	70.33	19	34	19	36.67	4.4
Crichton's Store (*f*)	60.28	71.72	70 72	67.57	25	88	25	79.33	18	*g* 45	19	47.00	5.3
Kanawha	54.02	70.19	57.12	60.44	9	*h* 85	31	72.33	12	40	19	46.17	5.8
Lewisburg	49.97	64.68	53.74	56.13	25	*i* 77	31	73.00	19	39	19	41.00	5.4
Meadow Dale	45.16	59.94	54.94	53.35	25	*i* 74	31	66.67	19	32	19	35.67	----
Montross	57.84	71.32	59.45	62.87	16	*i* 86	31	76.33	19	42	19	45.00	5.1
Mossy Creek	50.51	68.45	55.61	58.19	25	84	31	72.00	19	37	19	41.00	5.3
Poplar Grove	53.23	70.87	56.39	60.16	9	90	31	76.67	7	43	19	46.67	5.8
Portsmouth	59.51	73.54	59.77	64.27	25	90	26	*i* 76.33	13	40	20	46.33	3.6
Rougemont	58.52	72.00	62.77	64.43	10	89	24	77.67	19	41	19	44.33	5.7
Ruthven	58.64	70.16	58.54	62.45	10	87	31	76 00	19	*j* 43	19	*j* 47.00	3.7
Sistersville	51.50	66.87	53.63	57.13	24	*k* 86	31	70.00	11	38	11	40.00	5.5
Smithfield (*e*)	59.30	68.70	61.90	63.30	31	82	31	76.30	20	42	12	54.20	5.6
Winchester	57.00	70.03	57.42	61.48	25	86	25	*a*74.00	19	40	19	42.00	4.4
Wirt Court House	49.35	65.58	56.00	56.98	9	86	31	70.00	12	31	11	*g* 44.00	5.6
NORTH CAROLINA—													
Chapel Hill	61.19	74.94	62.68	66.27	25	89	31	77.33	19	46	19	48.33	5.2
Gaston	55.29	71.39	64.10	63.59	25	86	31	78.33	1	43	19	47.67	----
Murfreesborough	58.20	71.94	61.73	63.96	25	*i* 86	31	77.33	20	44	20	48.67	4.0
Warrenton	------	------	------	------	----	------	----	------	----	------	----	------	5.7
SOUTH CAROLINA—													
Aiken	64.61	74.65	67.29	68.85	30	86	30	77.67	20	50	18	*g* 56.33	----
All Saints	65.16	73.65	67.32	68.71	29	83	31	78.67	20	54	20	59.00	4.6
Camden	62.97	75.35	64.58	67.63	30	86	14	*i* 77.00	19	51	18	54.33	5.1
Charleston, [Johnson]	66.71	77.65	68.74	71.03	28	87	31	79.33	20	54	19	*j* 61.33	----
Charleston, [Dawson]	66.79	77.64	68.74	71.06	?	87	----	-------	?	54	----	--------	----
GEORGIA—													
Athens	60.49	73.40	63.72	65.87	30	86	10	74.00	21	49	18	53.00	3.9
Factory Mills	------	------	------	------	----	------	----	------	----	------	----	--------	5.1
Savannah	65.90	77.60	68.00	70.50	29	88	30	79.24	20	53	20	59.30	4.6
Sparta	58.90	77.03	66.23	67.39	31	91	31	78.00	20	46	20	55.33	4.9
The Rock	60.26	75.68	68.58	68.17	30	90	10	78.67	20	42	20	52.67	3.8
Whitemarsh Island	67.81	75.32	68.45	70.53	16	84	20	78.67	20	56	20	59.33	4 4
Zebulon	65.72	73.95	69.45	69.71	30	88	12	*l* 78.66	20	*m* 51	20	55.91	4.5
FLORIDA—													
Alligator	66.13	81.19	67.87	71.73	11	92	30	89.33	22	53	20	62.33	3.3
Atsena	69.07	74.77	72.04	71.96	14	79	14	*n* 76 67	21	60	19	*o* 66.00	3.0

a Same temperature on the 26th.
b Same temperature on the 13th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Same temperature on the 25th and 26th.
e Imperfect.
f Observations taken at 7 a. m., noon, and 6 p. m.
g Same temperature on the 19th.
h Same temperature on the 25th and 31st.
i Same temperature on the 31st.
j Same temperature on the 20th.
k Same temperature on the 25th.
l Same temperature on the 30th.
m Same temperature on the 21st.
n Same temperature on the 15th.
o Same temperature on the 20th and 21st.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Belair	65.13	80.23	71.16	72.17	12	*a* 90	12	79.67	20	54	20	62.33	3.4
Gainesville (*b*)	65.74	80.19	72.27	72.73	11	*c* 88	13	79.67	20	55	20	63.00	3.1
Jacksonville	68.61	80.03	70.16	72.93	11	91	11	*d* 81.00	22	54	22	63.00	3.2
St. Augustine	73.23	76.00	71.58	73.60	11	85	14	*e* 78.00	7	*f* 64	7	*g* 68.00	3.3
Salt Ponds	75.58	80.29	.....	77.93	18	86	18	83.00	8	*h* 70	8	71.33	2.6
Warrington	69.61	75.45	73.13	72.73	28	*e* 83	29	79.00	4	58	4	62.67	3.0
ALABAMA—													
Ashville (*i*)	.....	.....	.....	63.50	.....	.....	30	77.00	.....	.....	22	52.00	.....
Auburn	63.43	74.76	67.45	68.55	10	*e* 85	30	77.67	20	51	19	*j* 55.00	4.3
Carlowville	65 42	76.52	67.29	69.74	12	88	15	78.33	18	*f* 52	19	*j* 56.33	3.7
Greene Springs	61.75	76.57	64.30	67.54	12	86	15	77.00	3	48	18	55.00	3.6
Greensborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.8
MISSISSIPPI—													
Columbus	60.21	75.41	65.18	66.93	30	85	13	77.43	4	47	3	53.16	4.1
LOUISIANA—													
Black River	63.78	79.13	70.65	71.19	30	88	15	79.33	19	51	3	57.33	4.5
Trinity	65.68	80.90	70.90	72.49	27	91	28	80.33	4	52	3	57.33	4.3
TEXAS—													
Austin	63.90	81.94	68.32	71.39	4	*d* 92	14	81.33	4	48	2	55.67	5.3
New Braunfels	66.74	86.90	72.30	75.31	14	*k* 97	14	83.33	4	50	18	66.00	5.0
Union Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Washington	66.65	86.36	66.29	73.10	29	99	29	82.67	19	48	18	59.00	4.0
TENNESSEE—													
Glenwood	55.05	68.62	60.17	61.28	13	84	13	73.27	11	44	18	48.83	5.7
Memphis	61.48	75.10	63.74	66.77	14	*l* 86	13	78.67	18	*m* 47	18	49.33	.....
KENTUCKY—													
Danville	58.42	70.68	58.16	62.42	23	*n* 85	9	74.67	11	*o* 47	19	49.67	4.3
Millersburg	54.90	65.94	58.39	59.74	26	86	26	74.33	13	34	12	45.33	5.7
Paris	53.65	59.38	55.97	56.33	24	80	25	71.67	11	41	19	44.67	4.8
Springdale (*p*)	48.21	68.37	59.45	58.68	24	86	14	70.67	12	33	11	46.67	5.5
OHIO—													
Ciucinnati, [Harper]	55.23	70.26	58.45	61.31	24	92	24	77.67	12	38	11	45.33	5.5
Cincinnati, [Hurtt]	55.19	67.35	59.97	60.84	24	89	24	*q* 76.67	12	38	12	31.33	4.6
Cleveland	49.74	60.10	51.87	53.90	25	84	24	72.00	11	34	11	38.83	6.5
College Hill	54.10	65.81	54.65	58.19	23	85	24	73.50	11	33	11	38.00	5.2
Collingwood	51.03	60.77	51.68	54.49	30	90	24	72.33	11	33	11	39.33	.....
Edinburg	52.87	61.03	52.06	55.32	24	84	25	77.33	11	32	11	35.33	5.9
Gallipolis	53.10	66.03	57.29	58.81	24	89	14	76.67	12	34	11	42.00	.....
Hillsborough	51.86	61.68	55.00	56.28	24	81	24	71.00	11	35	11	38.00	5.1
Hiram	49.35	60.16	52.00	53.84	24	84	25	73.00	11	31	11	35.00	7.0
Jefferson	50.32	55.62	51.40	52.45	23	*r* 80	9	72.00	11	*o* 32	11	34.67	9.0
Madison, [Atkins] (*s*)	48.10	52.70	46.00	48.93	9	82	9	75.33	10	34	11	38.33	7.0
Madison, [Cunningham]	50.26	59.42	48.16	52.61	25	88	25	74.00	12	28	11	36.00	6.2
Medina	51.81	61.31	51.15	54.76	24	82	30	84.67	18	30	11	33.85	6.9
New Lisbon	54.71	70.09	56.42	60.41	.....	84	26	76.67	.....	38	11	43.00	3.6
Oberlin	51.42	62.19	50.52	54.71	25	87	25	72.33	11	33	11	36.00	4.7
Perrysburg (*t*)	54.39	63.55	54.32	57.42	24	*q* 84	24	78.00	11	32	11	40.33	.....
Savannah	53.77	64.65	51.87	56.76	23	88	25	77.33	11	32	11	36.00	6.9
Sidney	52.02	63.03	53.19	56.08	24	*q* 83	25	73.00	11	33	11	36.00	7.4
Urbana	51.13	64.68	51.81	55.87	23	86	24	72.33	11	34	11	35.67	6.4
Welchfield	50.00	61.90	51.77	54.56	24	89	24	74.00	11	31	11	34.33	5.3
Windham	49.23	60.65	52.42	53.77	24	79	25	68.67	11	34	11	36.33	.....
MICHIGAN—													
Battle Creek	51.65	61.81	50.29	54.58	24	85	24	77.67	11	34	11	37.33	4.4

a Same temperature on the 28th.
b Observations taken at 5 a. m., 2 p. m., and 9 p. m.
c Same temperature on the 12th and 13th.
d Same temperature on the 14th.
e Same temperature on the 30th.
f Same temperature on the 19th and 20th.
g Same temperature on the 20th and 21st.
h Same temperature on the 9th and 21st.
i Hours of observation not reported.
j Same temperature on the 20th.
k Same temperature on the 29th.
l Same temperature on the 27th.
m Same temperature on the 19th.
n Same temperature on the 24th.
o Same temperature on the 12th.
p Observations taken at 7 a. m., 2 p. m., and 7 p. m.
q Same temperature on the 25th.
r Same temperature on the 26th.
s For the first 20 days of the month only.
t Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Cooper	46.88	60.58	46.10	51.19	23	*a* 84	24	71.33	10	20	11	32.00	3.6
Copper Falls Mines	40.25	47.11?	39.39?	42.25?	22	76	23	67.40	10	17	10	20.40	4.9
Grand Rapids, [Currier]	47.13	62.29	50.94	53.45	24	88	24	74.00	10	*b* 30	10	34.00	4.5
Grand Rapids, [Streng]	49.35	64.35	51.29	55 00	23	*a* 84	24	72.67	10	*b* 30	10	36.00	5.9
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	5.3
Port Huron (*c*)	50.71	60.33	51.29	54.11	24	*d* 87	25	74.00	11	33	11	34.33	4.9
INDIANA—													
Evansville	57.68	68.03	58.46	61.39	23	82	9	73.33	11	40	4	*b* 48.67	5.4
Logansport (*e*)	48.00	62.00	55.00	55.00	?	81	----	------	?	31	----	------	----
Michigan City	51.35	56.70	47.91	51.99	24	85	24	76.33	2	28	10	35.33	5.0
New Albany	55.68	67.16	55.78	59.54	24	83	24	70.67	11	42	11	45.67	6.1
New Harmony	56.55	68.58	58.48	61.20	9	*f* 84	9	76.00	11	41	11	47.00	5.3
Richmond	50.31	60.65	54.23	55.06	23	81	9	70.00	11	33	11	35.00	6.0
ILLINOIS—													
Athens	50.03	67.80	53.19	57.01	23	86	24	71.00	12	31	11	41.67	4.7
Augusta	50.74	66.03	56.06	57.61	23	85	23	72.67	10	*b* 36	10	*b* 44.67	4.3
Batavia (*g*)	50.48	60.39	48.55	54.84	23	84	23	75.20	10	*b* 30	11	34.80	----
Brighton	54.42	66.55	61.42	60.80	28	89	28	77.00	11	34	11	37.00	5.3
Chicago	49.22	56.37	47.54	51.04	23	85	24	73.3	10	30	16	40.33	5.0
Fremont Centre	52.06	60.42	47.74	53.41	23	83	22	72.00	10	*b* 28	11	32.00	5.6
Granville	50.40	64.98	51.30	55.56	23	85	24	2 59	11	33	11	38.10	4.4
Manchester (*h*)	52.19	67.97	53.45	57.84	23	86	2>	75.33	11	35	11	41.33	5.3
Marengo	50.06	62.68	47.87	53.54	24	84	24	75.33	10	*b* 30	11	34.67	4.7
Ottawa	50.13	62.23	50.67	54.35	23	84	23	70.33	11	32	11	36.33	4.9
Peoria	52.33	69.16	55.21	58.90	23	89	23	75.58	11	36	10	*b* 44.75	4.4
Pekin	49.10	65.13	52.50	55.58	23	85	24	72 33	11	32	11	39 67	5.0
Riley	48.19	61.50	46.00	51.90	23	83	23	*a* 72.00	11	25	11	32.00	4.1
Upper Alton	54.94	68.55	56.26	59.92	23	82	23	73.23	11	38	11	44.33	3.9
Warsaw	54.61	66.61	56.39	59.20	8	*i* 87	23	76.33	10	37	11	46.00	5.2
West Salem	56.42	70.74	58.97	62.04	23	90	9	76.33	11	41	4	46.67	5.0
West Urbana	52.35	64.19	52.81	56.45	23	86	23	75.67	11	33	10	39.33	5.2
Winnebago	------	------	------	------	----	------	----	------	----	------	----	------	4.8
MISSOURI —													
Cape Girardeau (*j*)	52.16	67 97	60.02	60.23	9	84	13	69.62	5	40	11	46.90	5.3
Palmyra (*k*)	45.52	65.94	57.06	57.00	22	83	8	70.50	10	*l* 34	11	43.25	6.4
St. Joseph (*m*)	50.95	65.30	56.63	57.75	9	85	24	71.25	11	34	11	44.87	6.9
St. Louis	56.60	69.60	59.20	61.80	23	88	9	78.67	11	39	11	46.67	5.2
WISCONSIN—													
Appleton	45.97	62.26	46.52	51.58	23	84	23	77.00	11	29	10	35.33	4.3
Bay City	38.03	46.00	36.48	40.17	8	70	24	*a* 58.67	10	22	10	27.00	3.5
Beloit	47.77	62.10	48.10	52.66	23	84	23	72.00	12	29	11	36.33	3.8
Janesville	48.25	61.58	49.35	53.06	23	86	22	*i* 70.67	11	32	11	37.33	5.5
Kenosha	48.69	54.57	47.02	50.06	23	84	24	70.83	11	31	11	33.83	3.8
Madison, [Schue]	50.58	69.00	48.59	53.06	23	84	23	75.00	11	30	10	34.67	3.4
Madison, [Sterling]	48.55	58.63	50.26	52.48	23	80	23	73.00	10	23	10	33.33	4.2
Manitowoc	44.55	55.16	45.48	48.40	22	84	22	65.33	11	30	11	33.00	4.9
Milwaukee, [Pomeroy]	46.42	52.97	45.06	48.15	23	89	23	76.67	11	26	11	30.67	6.7
Milwaukee, [Winkler]	47.81	54.16	45.61	49.19	23	84	24	73.00	11	27	11	32.67	4.3
New London	42.48	61.45	49.45	51.13	23	86	23	76.00	12	25	10	34.33	4.4
Platteville	49.64	64.26	53.74	55.88	23	88	23	74.67	12	33	10	42.33	4.2
Racine	46.55	52.70	44.46	47.90	23	85	24	70.67	10	*n* 33	16	36.50	5.3
Waukesha, [Bean]	48.97	59.55	47.94	52.15	23	83	23	72.67	10	*b* 32	10	35.67	3.4
IOWA—													
Bellevue	48.26	63.64	51.71	54.54	23	84	23	71.00	11	33	11	41.33	----
Border Plains	49.48	66.65	54.13	56.75	4	90	4	75.00	10	30	9	39.67	4.3

a Same temperature on the 24th.
b Same temperature on the 11th.
c For the last 21 days of the month only.
d Same temperature on the 25th.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 23d and 24th.
g Observations taken at 7 and 9 a. m., 2, 6, and 9 p. m. Mean at 9 a. m., 59.83; mean at 6 p. m., 54.91.
h Observations taken at 7 a. m., 1 p. m., and 9 p. m.
i Same temperature on the 23d.
j Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 60.76.
k Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 p. m., 59.46.
l Same temperature on the 20th.
m Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 58.13.
n Same temperature on the 16th and 17th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
IOWA—Continued.	°	°	°	°		°		°		°		°	
Fairfield	54.29	64.74	53.90	57.64	8	84	23	76.33	11	36	10	43.33	4.4
Fort Madison (*a*)	48.39	64.55	57.68	56.87	8	84	8	74.33	10	*b* 35	10	42.00	4.8
Franklin	52.19	64.25	51.29	55.91	23	87	23	73.67	10	32	10	42.00	4.2
Mt. Vernon	54.14	63.54	53.53	57.07	23	80	23	73.33	10	34	10	38.00	----
Muscatine	44.20	62.80	52.60	53.20	8	83	8	68.33	12	29	10	42.33	3.6
Pleasant Plain	53.81	66.13	51.87	57.27	8	88	23	77.33	10	35	11	44.00	3.9
MINNESOTA—													
Hazlewood	50.29	57.41	50.50	52.73	8	82	8	68.00	9	29	9	33.00	4.8
Lake Winnibigoshish	44.33	62.00	47.25	51.19	22	77	24	65.33	9	*c* 22	9	31.00	5.3
Princeton	47.48	62.48	49.87	53.28	22	84	22	68.67	10	26	10	34.67	4.1
KANSAS—													
Council City	52.26	64.77	50.32	55.78	8	84	8	74.00	10	34	10	*d* 44.33	3.8
UTAH—													
Great Salt Lake City (*e*)	51.10	65.55	54.87	58.00	28	85	28	72.50	9	30	8	40.50	6.9
OREGON—													
Salem (*f*)	----	----	----	58.42	----	----	----	----	----	----	----	----	----
CALIFORNIA—													
Marysville	57.69	80.24	63.45	67.13	25	101	25	84.67	11	48	11	54.00	2.5
Sacramento	65.28	70.94	63.29	66.50	25	87	25	78.67	8	53	8	56.67	2.1
San Francisco	54.55	64.19	52.74	57.16	21	78	24	65.33	17	*g* 51	18	55.67	2.7
MEXICO—													
Mirador (*h*)	76.24	88.20	76.37	80.27	----	----	----	91.09	----	----	----	69.35	----
Vera Cruz (*i*)	75.03	----	78.65	76.83	1	90	----	----	5	65	----	----	----
WEST INDIES—													
St. George's, Bermuda	----	----	----	70.10	31	79	----	----	2	62	----	----	----
CENTRAL AMERICA—													
Guatemala (*j*)	----	----	----	68.25	----	86	----	----	----	52½	----	----	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*k*)	75.16	84.42	81.42	80.33	1	*l* 88	7	82.50	4	71	9	*m* 77.00	5.3
AZORES—													
Horta, Fayal	60.06	62.42	57.29	59.92	19	71	18	65.67	3	51	4	55.67	6.7

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 11th and 12th.
c Same temperature on the 23d.
d Same temperature on the 11th.
e Observations taken at sunrise, 9 a. m., 3 and 9 p. m. Mean at 9 a. m., 60.48.
f Hours of observation not reported.
g Same temperature on the 18th.
h Observations taken at 7 a. m., 2 p. m., and 8 p. m.
i Observations taken at 5 to 6 a. m., and 9 to 11 p. m.
j Register thermometer.
k Observations taken at 6 a. m., 2 p. m., and 6 p. m.
l Same temperature on the 4th and 31st.
m Same temperature on the 20th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	○	○	○	○		○		○		○		○	
BRITISH AMERICA—													
Hamilton (*a*)	61.93	-------	59.63	60.78	?	84	28	74.00	?	38	8	49.00	----
Montreal	61.11	68.01	61.93	63.68	26	79	28	70.83	5	51	5	54.33	5.8
Red River Settlement (*b*)	60.06	69.39	62.50	63.98	23	81	24	74.00	16	52	16	52.67	4.6
Stanbridge	58.50	64.07	58.20	60.26	28	*c* 79	28	69.67	5	*d* 49	5	51.33	5.4
St. John's	51.37	55.97	49.47	52.27	24	70	24	65.67	10	*e* 39	10	41.67	----
St. Martin	54.56	70.51	58.01	61.03	10	85	10	72.00	5	40	5	49.80	4.6
Toronto (*f*)	53.52	61.85	54.84	56.74	28	74	26	68.42	5	41	5	48.35	6.9
Windsor	57.93	65.37	56.92	60.07	21	79	21	71.50	6	43	7	51.00	7.0
Wolfville	58.53	66.67	58.56	61.25	22	81	21	73.67	8	49	7	53.83	6.1
MAINE—													
Cornish, [Guptill]	56.76	67.57	58.33	60.89	21	*g* 77	21	71.00	5	44	18	49.00	4.9
Cornish, [West]	56.30	65.23	55.33	58.95	2	77	21	69.33	5	44	18	48.67	4.9
Gardiner	58.53	68.82	57.03	61.46	25	90	25	71.33	8	50	18	53.67	6.5
Monson	------	------	------	------	------	------	------	------	------	------	------	------	5.8
Perry	51.63	61.57	51.50	54.90	3	*h* 70	28	61.33	6	44	19	49.00	5.5
Portland	58.98	66.35	57.86	61.06	25	83	25	72.00	5	48	18	52.33	5.1
Steuben	56.87	63.97	55.50	58.78	27	74	28	66.33	6	*d* 47	6	50.33	6.3
NEW HAMPSHIRE—													
Concord	------	------	------	------	------	------	------	------	------	------	------	------	5.2
Francestown, [Bixby]	58.40	67.97	58.37	61.58	28	81	28	70.33	5	49	18	51.33	5.0
Francestown, [Root]	56.25	64.62	57.14	59.34	28	76	2	69.50	5	*d* 48	18	50.00	6.3
Manchester (*i*)	60.50	71.82	61.52	64.61	21	86	21	75.67	5	50	6	*e* 55.33	5.7
North Barnstead	------	------	------	------	------	------	------	------	------	------	------	------	6.7
Shelburne	59.23	73.37	57.63	63.41	9	86	21	78.67	6	41	18	52.33	5.6
West Enfield	55.97	67.33	57.37	60.22	28	79	28	69.00	5	45	5	49.00	5.7
VERMONT—													
Brandon	56.81	66.67	57.82	60.43	29	80	28	*c* 69.00	7	48	7	52.00	5.8
Craftsbury	53.73	64.53	55.17	57.81	2	*c* 76	20	*c* 66.00	5	43	5	47.00	5.5
Norwich	58.97	69.64	57.90	62.17	29	82	28	72.33	8	47	6	53.33	----
Rupert	57.67	72.20	67.13	65.67	28	90	28	76.67	3	*j* 50	8	54.67	7.1
St Johnsbury	53.43	69.31	56.53	59.76	2	82	21	70.00	8	38	15	50.67	4.9
Shelburn	59.55	68.00	58.60	62 05	1	*k* 78	20	72.33	7	48	5	53.00	5.8
West Fairlee	55.30	67.26	58.20	60.25	28	79	21	69.33	6	44	6	50.67	----
MASSACHUSETTS—													
Amherst	59.47	70.05	60.39	63.30	29	81	21	71.40	8	49	6	52.80	6.2
Cambridge	59.27	70.63	59.83	63.24	2	*l* 81	13	70.67	6	50	18	53.67	5.8
Florida	------	------	------	------	------	------	------	------	------	------	------	------	6.8
Lawrence	57.90	69.53	59.87	62.43	2	82	21	73.00	8	47	6	53.00	4.9
Mendon	61.50	68.83	60.20	63.51	2	*m* 79	20	73.33	5	*n* 52	18	53.00	5.5
Nantucket	60.34	67.07	58.20	61.87	26	*g* 76	26	69.83	8	50	7	56.17	5.3
New Bedford	60.22	68.10	58.95	62.42	25	*o* 81	26	71.00	5	*p* 53	6	55.67	6.9
Newburyport	59.47	67.37	60.95	62.63	27	83	27	73.40	8	*q* 52	18	54.50	8.6
Westfield	58.57	69.47	60.37	62.80	27	81	21	72.00	6	48	6	51.67	6.5
Weymouth	60.26	-------	61.03	60.64	27	72	27	70.00	6	51	6	51.50	8.8
Williamstown	59.30	66.45	58.63	61.46	20	78	21	69.80	8	43	7	49.83	6.5
Worcester	59.80	68.55	60.30	62.88	25	80	21	71.33	18	*q* 51	18	51.67	6.5
RHODE ISLAND—													
Providence (*r*)	58.50	68.80	58.70	62.00	25	82	25	71.00	6	47	19	53.67	5.7
CONNECTICUT—													
Columbia	59.30	69.80	58.93	62.68	28	84	26	72.00	6	49	6	52.33	6.7
New London	59.13	68.10	59.43	62.22	26	82	26	70.67	6	*s* 52	6	56.00	5.7
Norwich	61.20	71.63	61.87	64.90	13	*t* 82	26	73.67	6	52	6	56.33	4.8
Pomfret	51.56	66.69	58.27	58.84	26	*g* 76	27	70.80	6	*d* 50	6	51.67	5.7

a Observations taken at 9 a. m. and 9 p. m.
b For the last 16 days of the month only.
c Same temperature on the 29th.
d Same temperature on the 7th.
e Same temperature on the 18th.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 27th.
h Same temperature on the 13th and 28th.
i Incomplete.
j Same temperature on the 4th, 5th, 8th, and 15th.
k Same temperature on the 10th, 20th, 21st, and 28th.
l Same temperature on the 13th.
m Same temperature on the 20th and 27th.
n Same temperature on the 6th, 7th, 9th, and 18th.
o Same temperature on the 26th.
p Same temperature on the 6th and 16th.
q Same temperature on the 19th.
r Observations taken at 6 a. m., 1 p. m., and 10 p. m.
s Same temperature on the 16th.
t Same temperature on the 21st and 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	○	○	○	○		○		○		○		○	
CONNECTICUT—Continued.													
Saybrook	59.10	65.80	59.62	61.51	21	82	26	72.00	6	52	6	*a* 55.33	5.7
Wallingford	58.68	69.68	59.48	62.61	26	*b* 82	26	70.83	6	49	6	52.50	5.5
NEW YORK—													
Angelica	60.70	72.33	60.41	64.48	28	92	28	78.67	2	50	18	46.33	6.3
Baldwinsville	57.03	66.07	59.07	60.72	28	77	28	70.67	5	*c* 47	5	51.00	6.2
Beverly (*d*)	64.79	69.20	-------	66.99	27	85	28	77.00	10	55	10	55.00	6.0
Blackwell's Island	64.33	69.97	65.50	66.60	26	84	26	77.67	10	54	10	56.67	6.6
Cazenovia	56.57	63.31	56.47	58.78	1	75	28	69.67	6	43	5	47.67	6.9
Clinton	60.17	70.60	58.30	63.02	28	92	28	78.67	6	44	6	52.33	7.2
Eden	61.97	67.17	62.10	63.75	28	86	27	76.00	4	*e* 48	4	50.67	6.5
Flatbush	62.30	71.00	61.80	65.03	26	85	26	75.67	6	53	9	58.00	6.4
Lowville	-------	-------	-------	58.17	29	80	28	68.50	5	40	5	47.00	----
McGrawville	58.90	65.99	58.60	61.16	28	78	28	72.27	5	*c* 46	5	50.10	6.7
Morrisania	63.67	76.53	63.70	67.97	27	95	13	78.33	6	52	10	58.00	5.9
New York city	66.04	72.59	65.23	67.95	26	86	26	79.23	10	55	10	57.20	6.1
Nichols (*f*)	52.90	73.32	58.40	61.54	28	90	28	75.00	6	39	5	49.00	----
Oswego	59.03	63.33	56.63	59.66	20	77	28	71.33	5	42	5	47.33	6.4
Ovid	60.47	66.80	59.47	62.25	27	85	27	75.67	5	47	5	50.67	6.2
Penn Yan (*g*)	54.43	69.27	60.77	61.49	28	85	28	73.00	5	43	4	53.33	7.2
Plainville	59.97	70.87	57.30	62.71	28	87	28	73.33	4	43	4	49.33	8.1
Rochester, [Harkness]	64.60	67.70	61.10	64.43	----	82	----	-------	----	52	----	-------	----
Rochester, [Palmer]	59.80	68.30	61.50	63.20	28	86	28	77.33	5	48	5	51.00	7.4
Sag Harbor	62.11	73.15	61.04	65.43	29	84	25	73.00	5	51	6	58.33	6.0
Saratoga	59.33	70.57	64.13	64.68	21	*h* 82	21	75.00	6	48	6	55.33	4.4
Spencertown	58.77	66.17	59.63	61.52	21	*b* 77	21	72.33	5	45	6	48.33	5.4
Utica	59.83	67.14	62.30	63.09	28	82	28	75.33	6	45	5	51.33	6.9
Wampsville	61.87	70.80	60.47	64.38	27	84	28	75.33	5	*c* 48	4	52.67	6.7
Waterford	62.28	70.15	62.58	65.00	26	83	21	74.00	8	48	7	54.33	6.3
West Concord	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.8
NEW JERSEY—													
Bloomfield	62.03	73.45	62.60	66.03	27	91	26	74.33	5	50	10	57.83	5.2
Burlington	62.93	72.93	65.59	67.15	27	83	13	*b* 77.67	5	*c* 53	5	57.67	6.0
Freehold	60.57	73.20	63.18	65.65	27	85	27	76.50	6	46	9	55.50	----
Lambertville	63.75	77.36	63.27	68.13	27	91.5	27	77.57	6	43.5	9	58.17	3.4
Newark (*i*)	-------	-------	-------	65.48	27	85	27	74.50	6	50	10	55.75	----
Sergeantsville	64.07	77.97	66.80	69.61	27	93	26	*b* 79.67	5	*j* 55	18	58.33	5.4
PENNSYLVANIA—													
Bedford	65.92	77.38	64.04	69.11	16	89	8	78.33	6	47	6	57.67	4.6
Berwick	64.33	73.47	64.37	67.39	28	87	26	*k* 78.33	7	52	7	57.33	4.9
Cannonsburg	60.70	70.40	65.33	65.48	16	*b* 82	16	75.00	6	48	4	55.33	5.9
Carlisle	64.31	70.07	64.61	67.33	28	85	27	78.33?	6	52	5	57.83	4.9
Chromedale	65.55	74.40	65.61	68.52	28	84	28	77.67	5	51	5	57.00	6.3
Easton	60.57	72.21	63.24	65.34	27	86	27	74.33	6	51	9	56.33	6.4
Fleming	61.53	75.66	63.40	66.86	27	*k* 89	28	79.00	6	*l* 52	5	59.00	4.9
Gettysburg	64.55	77.67	67.03	69.75	28	90	28	80.33	5	53	5	58.33	5.2
Harrisburg, [Heisely]	66.77	76.63	71.34	71.58	28	91	28	84.00	6	57	9	63.33	5.3
Harrisburg, [Hickok]	62.68	73.38	67.63	67.90	28	89	28	80.33	6	54	5	59.00	6.0
Lewisburg	62.74	74.25	64.46	67.15	27	88	27	78.60	5	54	5	57.70	6.9
Meadville	61.97	72.27	60.23	64.82	27	*k* 92	28	77.67	5	45	4	52.00	6.1
Morrisville	62.70	72.83	63.17	66.23	26	*b* 86	13	72.67	5	*m* 54	9	*m* 56.67	4.9
Murrysville	62.90	75.47	62.43	66.93	28	87	16	77.00	5	48	5	55.67	5.2
Nazareth (*d*)	61.29	71.05	59.30	63.88	21	84	21	73.67	9	54	9	55.67	7.9
Norristown	61.80	72.30	64.90	66.33	27	87	27	76.00	5	*c* 53	5	57.30	5.8
North Whitehall (*n*)	58.10	71.97	66.23	65.43	27	86	27	73.67	6	44	9	56.00	7.0
Paradise	-------	-------	-------	73.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	67.68	76.53	69.40	71.20	26	*o* 87	27	82.33	5	55	5	*m* 60.33	6.4

a Same temperature on the 17th.
b Same temperature on the 27th.
c Same temperature on the 6th.
d Imperfect.
e Same temperature on the 5th and 7th.
f Observations taken at 6 a. m., 1 p. m., and 9 p. m.
g Observations taken at sunrise, 2 p. m., and sunset.
h Same temperature on the 26th and 28th.
i Observations taken at 7 a. m. and 6 p. m.
j Same temperature on the 11th, 18th, and 30th.
k Same temperature on the 28th.
l Same temperature on the 8th.
m Same temperature on the 10th.
n Observations taken at sunrise, noon, and sunset.
o Same temperature on the 27th and 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 a. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Pittsburg, [Wilson]	62.07	71.23	63.43	65.58	28	90	16	78.67	6	43	4	54.33	....
Pocopson	64.40	76.87	66.17	69.15	28	90	28	80.67	5	*a* 55	6	59.33	6.2
Shamokin	54.60	72.80	62.83	63.41	26	*b* 92	28	74.00	6	38	6	53.00	6.1
Tarentum	62.70	77.27	62.77	67.58	28	94	16	78.00	5	*a* 48	4	*c* 55.00	5.0
West Haverford	61.57	76.33	.....	68.95	27	*d* 86	28	*e* 77.50	6	52	10	59.00	5.8
DELAWARE—													
Newark	66.14	75.31	68.27	69.91	28	87	27	79.67	5	*a* 56	5	59.33	5.9
MARYLAND—													
Annapolis	67.73	77.20	68.80	71.24	28	90	28	80.16	5	55	5	58.33	4.1
Bladensburg	68.04	81.23	65.77	71.68	28	96	13	79.00	5	50	5	56.67	5.3
Frederick	69.88	77.07	67.52	71.49	28	87	28	80.83	5	*f* 56	5	60.00	4.7
Ridge (*g*)	78.21	82.62	74.23	78.35	27	95	28	88.67	5	57	5	57.33	3.5
Sykesville	66.53	74.97	66.63	69.38	28	85	16	77.67	5	55	5	61.00	4.3
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	67.35	77.97	69.37	71.56	28	91	28	80.50	5	54	5	59.30	4.3
VIRGINIA—													
Alexandria	70.33	80.57	71.23	74.04	28	90	28	82.00	5	55	5	60.00	4.1
Berryville	65.30	76.40	67.90	69.87	28	86	16	77.67	5	57	5	60.00	5.1
Crack Whip	63.06	73.60	60.26	65.64	16	86	16	75.33	5	46	5	51.67	5.3
Crichton's Store, (*h*)	72.14	86.75	81.19	80.03	27	99	27	88.67	6	59	5	63.67	3.9
Kanawha	63.92	79.63	64.60	69.38	27	93	27	78.67	6	52	5	59.67	4.9
Lewisburg	61.50	75.33	60.47	65.77	27	*b* 84	16	74.00	6	44	6	54.00	4.7
Meadow Dale	55.03	71.00	63.57	63.20	9	*i* 80	9	71.67	6	*j* 46	5	52.67	....
Montross	68.93	81.15	69.58	73.22	17	91	16	80.67	5	54	4	32.67	4.2
Mossy Creek	61.93	80.10	63.66	68.56	25	*k* 90	17	77.33	6	45	5	52.67	4.5
Poplar Grove	61.43	80.30	64.22	68.65	8	*l* 92	15	78.33	23	50	23	57.00	4.8
Portsmouth	71.83	85.86	70.53	76.07	16	*m* 95	28	85.00	5	52	6	59.67	2.6
Rougemont	71.20	81.75	71.63	74.86	17	91	27	85.00	5	56	5	61.33	4.5
Ruthven (*n*)	69.18	83.08	68.21	73.49	28	96	28	85.00	5	52	6	61.33	1.5
Sistersville (*n*)	64.52	78.50	64.55	69.19	27	94	8	79.17	5	51	4	57.83	5.9
Smithfield	69.70	82.20	72.90	74.93	14	91	28	81.50	23	60	23	*o* 67.20	4.4
Winchester	68.13	80.47	67.47	72.02	28	92	16	80.00	5	55	5	61.00	3.6
Wirt Court-House	63.21	78.03	66.52	69.23	27	93	8	81.33	5	*p* 50	4	55.67	5.0
NORTH CAROLINA—													
Chapel Hill	70.57	87.07	72.90	76.85	9	*q* 97	14	86.00	5	*r* 60	2	72.33	4.4
Gaston	68.93	84.53	74.90	76.12	15	96	17	*b* 84.00	6	52	5	58.00	....
Murfreesborough	71.59	83.83	73.23	76.22	9	*s* 94	14	86.67	6	55	5	61.00	2.8
Warrenton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.7
SOUTH CAROLINA—													
Aiken	73.70	83.17	75.64	77.50	9	*l* 92	9	86.00	3	66	6	72.00	....
All Saints	74.60	80.24	76.63	77.16	11	87	15	83.00	6	66	6	69.33	4.2
Camden	73.30	84.80	73.63	77.24	9	95	9	85.67	6	*p* 64	23	70.00	5.4
Charleston, [Johnson]	75.73	84.67	77.73	79.38	14	*t* 92	14	*u* 84.33	6	70	6	*p* 71.67	....
Charleston, [Dawson]	75.70	84.66	77.74	79.37	?	92	....	.....	?	70	....	.....	....
GEORGIA—													
Athens	70.99	83.52	73.82	76.11	9	92	14	83.50	6	63	6	68.10	3.2
Factory Mills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.7
Savannah	74.50	86.40	77.00	79.30	9	97	9	86.33	7	68	6	72.47	4.8
Sparta	68.07	87.53	74.97	76.86	9	*v* 95	9	83.00	3	*w* 59	3	66.00	4.2
The Rock	68.23	84.00	76.50	76.24	9	93	9	84.00	3	59	6	68.33	3.6
Whitemarsh Island	75.61	84.18	76.55	78.78	11	92	11	84.00	6	*p* 70	6	71.00	4.5
Zebulon	74.38	83.75	77.95	78.69	9	91	14	88.00	3	63	6	70.83	4.2

a Same temperature on the 5th.
b Same temperature on the 28th.
c Same temperature on the 5th.
d Same temperature on the 29th.
e Same temperature on the 3d th.
f Same temperature on the 9th.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Observations taken at 6½ a. m., noon, and 6½ p. m.
i Same temperature on the 26th.
j Same temperature on the 20th, 23d, and 24th.
k Same temperature on the 14th.
l Same temperature on the 15th.
m Same temperature on the 17th.
n Imperfect.
o Same temperature on the 24th.
p Same temperature on the 23d.
q Same temperature on the 27th.
r Same temperature on the 6th and 23d.
s Same temperature on the 14th, 15th, and 16th.
t Same temperature on the 16th.
u Same temperature on the 15th and 16th.
v Same temperature on the 10th and 15th.
w Same temperature on the 4th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—	°	°	°	°		°		°		°		°	
Alligator	75.13	85.13	76.83	79.03	10	*a* 92	17	88.67	2	60	1	69 67	5.6
Atsena (*b*)	77.07	80.53	78.07	78.56	30	85	....	?	18	*c* 74	....	?	5.4
Belair	72.91	84.45	77.01	78.12	8	93	28	84.00	2	68	1	71.67	3.5
Gainesville (*d*)	72.60	81.90	75.80	76.77	14	*e* 89	9	82.00	7	*f* 69	20	*g* 70.67	4.1
Jacksonville	77.93	84.65	78.22	80.27	9	*e* 91	9	75.33	1	73	21	75.00	5.2
St Augustine	78.20	80.70	76.70	78.53	11	90	11	*g* 84.33	20	*g* 73	20	73.67	4.3
Salt Ponds	79.70	84.47	.....	82.08	13	*e* 87	13	*h* 83.50	11	*f* 78	6	*i* 80.50	4.6
Warrington	78.43	83.00	80.90	80.78	29	95	29	91.00	19	70	23	73.67	1.9
ALABAMA—													
Ashville (*j*)	.....	.....	.....	70.93	....	.....	16	76.50	....	.....	2	63.50	....
Auburn	72.80	84.75	76.63	78.06	9	*k* 92	9	84.00	19	64	6	69.33	3.4
Carlowville	72 30	90.83	73.80	78.98	26	*l* 96	11	86.67	18	60	18	*m* 73.00	2.6
Greene Springs	70.46	85.19	72.87	76.17	8	*n* 92	15	83.00	2	*o* 60	1	70.00	2.7
Greensborough	70.72	83.72	72.24	75.56	13	91	13	85.00	19	59	....	?	3.5
MISSISSIPPI—													
Columbus	68.65	84.15	72.34	75.05	13	93	13	82.40	19	60	18	67.87	3.7
LOUISIANA—													
Black River	72.73	85.93	75.93	78.20	12	93	8	84.67	19	64	24	72.00	3.9
Trinity	74.90	88.07	77.77	80.25	9	*q* 96	15	86.33	1	67	3	73.00	3.4
TEXAS—													
Austin	72.20	88.30	77.57	79.36	26	*r* 95	28	85.33	1	*s* 65	1	71.00	3.8
New Braunfels	79.14	98.41	80.94	86.16	12	*t* 104	27	93.33	2	*f* 70	2	78.67	3.2
Union Hill	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.8
Washington	75.43	93.59	73.90	80.97	27	104	28	90.67	2	62	1	67.67	3.3
TENNESSEE—													
Glenwood	65.51	77.24	68.90	70.55	13	87	8	80.67	6	55	18	61.67	4.8
Memphis	72.47	84.10	75.03	77.20	13	94	13	85.67	2	62	2	67.67	....
KENTUCKY—													
Danville	69.30	81.37	68.03	72.90	13	89	15	80.00	4	57	5	*u* 64.00	3.4
Paris	64.30	70.44	65.03	66.59	15	*v* 86	15	78.67	5	54	4	60.33	4.4
Springdale (*w*)	58.72	80.42	69.92	69.69	8	93	15	78.67	2	*x* 46	4	56.00	5.1
OHIO—													
Cincinnati, [Harper]	66.33	78.87	70.07	71.76	8	*y* 91	8	*e* 83.00	4	*z* 56	4	58.00	4.2
Cincinnati, [Hurtt]	67.20	75.16	70.60	70.99	8	91	8	83.33	6	53	5	60.00	3.4
Cleveland	61.18	70.52	63.10	64.93	8	88	16	77.80	4	48	4	51.33	6.1
College Hill	67.58	77.90	64.17	69.88	15	92	15	*h* 81.50	4	52	4	55.00	3.7
Collingwood	62.60	70.80	65.03	66.14	27	88	26	80.00	2	48	4	57.67	....
Edinburg	63.67	72.07	61.00	65.58	16	*l* 84	27	78.00	5	*x* 50	5	*x* 54 67	6.0
Gallipolis	62.93	76.03	65.30	68.09	27	90	8	79.00	23	46	23	54.00	....
Hillsborough	61.15	72.63	64.33	66.04	8	85	15	75.67	5	50	4	53.20	4.0
Hiram	61.29	71.07	61.50	64.62	8	*l* 86	27	78.33	4	*aa* 50	27	78.33	6.8
Jefferson	63.77	70.00	64.00	65.92	7	*bb* 80	8	*cc* 75 33	6	48	6	54.67	10.0
Madison, [Cunningham]	63.53	70.90	58.63	64.35	8	88	27	78.67	4	*aa* 46	4	58.00	5.9
Medina	64.12	71.37	61.90	65.80	27	87	26	78.67	5	44	4	50.67	5.9
New Lisbon	70.16	84.67	70.02	74.95	....	95	16	86.67	....	53	5	56.34	3.6
Oberlin	61.70	75.80	61.60	66.37	8	93	27	79.67	4	47	5	54.67	3.9
Perrysburg (*dd*)	67.40	77.67	65.57	70.31	8	89	9	*l* 80.33	4	51	22	60.33	....
Savannah	66.13	78.00	63.30	69.14	27	97	27	85.00	5	*x* 47	5	55.67	6.0
Sidney	62.34	77.24	63.86	67.81	26	94	27	81.33	2	48	7	42.00	6.4
Urbana	63.13	77.60	63.30	68.01	8	91	8	82.00	5	50	4	*aa* 57.33	4.2

a Same temperature on the 14th and 17th.
b For the last half of the month only.
c Same temperature on the 19th, 21st, 23d, and 24th.
d Observations taken at 5 a. m., 2 p. m., and 9 p. m.
e Same temperature on the 15th.
f Same temperature on the 20th.
g Same temperature on the 21st.
h Same temperature on the 15th and 16th.
i Same temperature on the 11th.
j Hours of observation not reported.
k Same temperature on the 13th.
l Same temperature on the 27th.
m Same temperature on the 19th.
n Same temperature on the 12th and 13th.
o Same temperature on the 4th.
p Same temperature on the 6th and 18th.
q Same temperature on the 12th.
r Same temperature on the 27th and 28th.
s Same temperature on the 3d.
t Same temperature on the 25th, 27th, 28th, and 30th.
u Same temperature on the 18th.
v Same temperature on the 26th.
w Observations taken at 5 a. m., 2 p. m., and 8 p. m.
x Same temperature on the 6th.
y Same temperature on the 16th.
z Same temperature on the 6th and 23d.
aa Same temperature on the 5th.
bb Same temperature on the 8th, 10th, and 17th.
cc Same temperature on the 10th and 17th.
dd Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Welchfield	61.50	72.23	61.86	65.20	16	90	27	81.67	5	48	22	53.33	4.2
Windham	59.23	69.20	61.30	63.24	27	86	27	76.33	5	46	4	53.87	....
MICHIGAN—													
Ann Arbor	65.20	80.50	61.90	69.20	21	95	22	83.33	15	48	14	52.00	3.9
Battle Creek	62.10	74.40	62.13	66.21	27	90	27	78.00	4	48	2	*a* 55.33	4.7
Cooper	59.73	71.80	58.00	63.18	26	92	26	83.33	2	40	2	50.00	3.5
Copper Falls Mines	51.28	55.74	49.72	52.25	25	83	25	71.40	3	34	3	37.20	5.3
Grand Rapids, [Streng]	61.56	75.70	62.13	66.46	27	95	27	83.00	4	44	4	52.67	6.4
Grand Rapids, [Currier]	58.49	72.00	59.70	63.40	27	92	27	78.67	1	*b* 44	2	50.67	4.9
Port Huron	61.47	69.17	58.93	63.19	27	92	27	80.00	4	*c* 46	4	49.67	5.4
INDIANA—													
Evansville	68.40	77.03	68.87	71.43	8	87	15	79.00	4	56	4	56.33	4.6
Logansport (*d*)	57.00	74.00	66.00	66.00	?	89	....	.....	?	41	....	.....	....
Michigan City	63.70	71.47	58.99	64.72	7	88	7	*e* 78.00	5	39	5	48.33	4.8
New Albany	65.44	75.35	64.08	68.29	14	*f* 84	15	78.33	18	*g* 55	5	60.00	4.5
New Harmony	68.50	78.40	67.50	71.47	8	91	15	81.67	4	56	4	56.33	4.3
Richmond	63.15	71.75	63.60	66.17	8	86	8	80.20	4	51	4	53.20	4.7
ILLINOIS—													
Athens	62.27	78.16	62.73	67.72	25	97	25	80.00	4	44	4	54.67	4.1
Augusta	62.83	75.93	66.43	68.40	26	88	7	*e* 79.33	17	*h* 52	17	56 00	2.7
Batavia (*i*)	61.53	74.13	62.99	68.14	26	90	27	81.00	1	46	1	51.80	....
Brighton	67.79	83.97	77.79	76.52	23	92	3	85.67	18	50	18	61.00	3.0
Chicago	62.33	69.38	59.57	63.76	7	*j* 86	27	77.33	5	46	5	49.33	4.1
Edgington	59.17	77.07	64.50	66.91	27	91	27	77.67	2	*c* 46	18	56.00	4.3
Fremont Centre	65.67	76.93	60.23	67.61	26	89	26	81.67	3	49	1	53.00	4.8
Manchester (*k*)	62.37	76.53	64.10	67.67	15	90	15	78.67	4	*c* 50	18	53.67	3.9
Marengo	66.67	75.33	61.20	67.73	27	96	27	84.00	1	46	1	49.33	5.1
Ottawa	61.63	74.26	64.00	66.63	27	87	7	78.67	2	44	1	53.67	4.7
Pekin	63.83	78.13	63.13	68.36	14	*l* 90	15	79.00	2	49	2	49.00	4.3
Peoria	64.66	79.42	68.65	70.91	8	*m* 90	27	81.50	2	53	17	59.00	4.0
Riley	60.94	69.87	58 72	63.18	27	84	27	76.33	1	44	1	48.33	3.8
Upper Alton	67.10	76.93	65.83	69.95	28	85	15	80.00	4	*c* 50	4	53.67	3.1
Warsaw	66.47	77.77	66.00	70.08	7	*n* 90	7	83.00	1	*o* 53	1	56.33	4.8
West Salem	65.73	81.57	66.80	71.37	8	94	15	81.33	1	*p* 56	4	57.33	4.3
West Urbana	66.83	74.87	65.80	69.17	26	90	15	*e* 80.00	1	50	1	55.33	4.2
Winnebago	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.5
MISSOURI—													
Cape Girardeau (*q*)	61.96	78.92	69.73	70.74	13	90	13	80.25	2	48	18	58.62	6.5
Palmyra (*r*)	56.06	77.35	67.89	68.00	14	90	26	80.00	5	41	17	56.25	7.1
St. Joseph (*s*)	63.40	80.30	68.87	71.20	8	94	15	83.87	6	48	18	53.50	6.2
St. Louis	68.80	80.20	68.90	72.63	15	92	15	82.50	4	52	4	54.17	3.8
WISCONSIN—													
Appleton	58.74	70.67	59.87	63.09	27	89	27	79.33	2	46	1	47.67	5.3
Bay City	50.53	57.93	49.13	52.53	26	92	6	74.00	4	36	16	42.00	4.1
Beloit	60.63	73.60	61.46	65.25	26	90	7	*e* 77.33	1	*b* 46	1	50.00	3.3
Janesville	61.10	73.97	62.10	65.72	26	90	26	*t* 78.00	1	45	1	50.00	5.2
Kenosha	60.77	66.06	57.17	61.33	8	87	8	75.83	1	46	5	51.33	3.7
Madison, [Sterling]	60.59	70.57	62.50	64.55	27	84	27	82.67	1	45	1	46.33	4.3
Manitowoc	57.70	65.23	55.50	59.48	6	*j* 80	28	70.33	1	*u* 47	1	48.33	5.9
Milwaukee, [Pomeroy]	58.53	66.23	55.63	60.13	9	86	8	73.33	3	*v* 44	21	48.00	6.0
Milwaukee, [Winkler]	60.23	66.83	55.97	61.01	8	85	8	74.00	1	44	2	50.33	4.3
New London	54.00	69.67	59.40	61.02	7	*t* 92	27	79.33	2	42	2	*w* 46.67	4.5
Platteville	62.47	77.33	65.57	68.46	....	94	....	.....	....	50	....	.....	4.2

a Same temperature on the 4th.
b Same temperature on the 2d.
c Same temperature on the 5th.
d Observations taken at sunrise, noon, and sunset.
e Same temperature on the 26th.
f Same temperature on the 23d and 27th.
g Same temperature on the 20th.
h Same temperature on the 18th.
i Observations taken at 6 a. m., 9 a. m., 12 m., 4 p. m., and 9 p. m. Mean at 9 a. m., 72.20. Mean at 4 p. m., 69.83.
j Same temperature on the 8th.
k Observations taken at 7 a. m., 1 p. m., and 9 p. m.
l Same temperature on the 15th and 23d.
m Same temperature on the 15th and 27th.
n Same temperature on the 14th, 26th, and 27th.
o Same temperature on the 17th.
p Same temperature on the 2d, 4th, 5th, and 20th.
q Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 72.37.
r Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 70.69.
s Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 72.24.
t Same temperature on the 27th.
u Same temperature on the 3d and 4th.
v Same temperature on the 21st.
w Same temperature on the 3d.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
IOWA—													
Bellevue	65.10	76.37	63.87	68.45	26	88	26	79.33	1	46	1	53.67	----
Border Plains	64.57	74.40	68.00	68.99	25	97	13	81.00	16	47	16	49.67	5.3
Fairfield	67.57	77.30	65.23	70.03	14	91	7	83.33	1	*a* 51	17	52.33	4.3
Fort Madison (*b*)	64.70	77.26	69.50	70.49	27	91	27	82.67	17	*c* 51	18	56.33	3.4
Franklin	61.57	74.70	61.10	65.79	7	*d* 90	7	78.33	2	48	17	52.67	4.2
Iowa City	64.11	74.60	65.73	68.15	14	*e* 86	27	80.00	5	50	4	56.00	4.1
Muscatine	57.00	76 10	62 97	65.36	26	89	15	78.33	5	38	5	51.67	3.1
Pleasant Plain	66.50	79.03	62.30	69.29	15	94	7	83.67	1	46	17	52.00	2.8
MINNESOTA—													
Hazlewood	61.83	70.27	60.73	64.28	26	88	26	78.67	17	42	17	46.67	4.1
Princeton	60.03	73.40	60.83	64.75	27	92	27	83.33	5	36	16	*f* 50.00	3.5
NEBRASKA—													
Bellevue (*g*)	66.75	77.92	67.00	70.56	14	87	14	80.33	17	50	17	52.83	3.2
Omaha	------	------	------	------	----	------	----	------	----	------	----	------	3.1
KANSAS—													
Council City	68.43	83.70	64.03	72.05	27	101	27	84.00	4	45	1	53.33	2.6
UTAH—													
Great Salt Lake City (*h*)	62.10	78.33	67.63	65.48	19	*i* 91	19	*i* 78.00	8	48	8	54.75	7.0
OREGON—													
Salem (*j*)	------	------	------	64.49	----	------	----	------	----	------	----	------	----
CALIFORNIA—													
Sacramento	68.60	77.53	69.67	71.93	17	98	17	87.00	7	*k* 61	2	65.00	1.5
San Francisco	58.47	68.43	56.47	61.12	16	98	16	79.00	22	53	8	*k* 56.33	3.7
MEXICO—													
Mirador (*l*)	77.74	86.69	76.75	80.39	----	------	----	86.90	----	------	----	72.27	----
Vera Cruz (*m*)	77.12	------	81.15	78.13	5	89	----	------	20	72	----	------	----
WEST INDIES—													
St George's, Bermuda	------	------	------	75.40	23	83	----	------	7	67	----	------	----
CENTRAL AMERICA—													
Guatemala (*n*)	------	------	------	67.14	----	83	----	------	----	55	----	------	----
SOUTH AMERICA—													
Bogota, New Granada (*o*)	62.40	62.80	55.00	60.07	16	68	30	63.20	4	50	20	56.66	----
Cathar'a Sophia, Surinam (*p*)	74.03	84.47	81.43	79.98	11	*q* 87	14	82.00	8	71	6	77.00	4.9
AZORES—													
Horta, Fayal	65.43	67.97	61.40	64.93	29	73	29	68.67	3	52	2	61.67	6.0

a Same temperature on the 17th.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Same temperature on the 18th.
d Same temperature on the 14th and 27th.
e Same temperature on the 27th.
f Same temperature on the 19th.
g For the last 20 days of the month only.
h Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 71.53.
i Same temperature on the 20th.
j Hours of observation not reported.
k Same temperature on the 30th.
l Observations taken at 7 a. m., 2 p. m., and 8 p. m.
m Observations taken from 5 to 6 a. m. and from 9 to 10 p. m.
n Register thermometer.
o Observations taken at 10 a. m., 4 p. m., and 10 p. m.
p Observations taken at 6 a. m., 2 p. m., and 6 p. m.
q Same temperature on the 19th, 23d, and 25th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	73.67	.....	71.45	72.56	....	94	13	82.00	....	52	2	51.50	....
Montreal	71.04	78.83	70.46	73.44	14	92	13	84.33	1	60	1	62.67	5.8
Red River Settlement	67.13	79.76	70.19	72.36	6	*b* 91	6	*b* 83.00	27	54	?	?	?
St. John's	57.39	66 39	57.23	60.34	7	*c* 78	28	73.33	1	44	1	47.33	....
St. Martin	65.65	82.49	66.43	71.52	14	98	15	81.90	5	45	1	61.70	4.1
Stanbridge	69.48	78.71	68.03	72.07	13	*d* 90	13	81.67	1	*e* 58	1	60.67	4.4
Toronto (*f*)	63.71	73.76	64.69	67.39	13	85	13	76.33	1	52	1	54.65	4.6
Wolfville	66.49	75.83	65.66	69.33	27	88	21	79.83	3	53	1	58.73	5.8
MAINE—													
Cornish, [Guptill]	65.51	76.09	67.83	69.81	27	88	27	81.00	1	53	1	54.00	6.3
Cornish, [West]	65.67	75.67	64.74	68.69	13	87	27	79.33	1	50	1	53.00	5.4
Gardiner	67.48	80.65	66.00	71.38	10	*g* 90	11	78.17	2	56	2	63.00	6.9
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.4
Perry	57.52	68.55	59.58	61.88	27	*h* 82	27	71.00	1	*i* 50	23	53.67	5.5
Portland	64.97	72.81	64.43	67.40	7	84	12	76.26	1	55	1	57.33	4.9
Steuben	61.83	71.79	61.32	64.98	11	85	27	72.00	1	53	23	56.33	7.0
NEW HAMPSHIRE—													
Concord	64.29	80.07	67.13	70.50	15	92	15	79.67	2	49	1	55.67	5.2
Francestown, [Root]	63.75	75.21	66.45	68.47	19	87	19	77.30	1	50	1	51.67	6.3
Manchester (*j*)	67.84	84.00	71.12	74.32	12	*k* 98	12	*k* 84.00	1	54	1	56.67	5.3
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.5
Shelburne	66.90	84.78	67.74	73.14	12	*m* 98	15	81.33	1	54	1	57.67	5.7
West Enfield	66 55	79.55	66.84	70.98	19	92	19	80.33	1	51	1	56.00	4.8
VERMONT—													
Brandon	65.95	75.92	66.39	69.42	15	88	15	80.33	1	*i* 54	1	51.33	4.8
Craftsbury	62.81	74.39	64 58	67.26	15	87	14	*n* 76.00	3	52	1	56.00	4.6
Norwich	65.35	82.52	67.63	71.83	19	96	15	80.67	1	*i* 53	1	56.33	....
Rupert	68.78	83.84	75.23	75.95	14	100	12	88.00	2	48	2	58.00	6.0
St. Johnsbury	61.81	79.68	64.03	68.52	15	92	27	77.33	6	*o* 50	2	54.00	3.6
Shelburn	68.43	77.33	67.16	70.97	15	91	15	82.33	1	53	1	54.67	4.4
West Fairlee	63.99	81.19	67.19	70.79	14	*k* 90	15	79.00	2	52	1	55.00	....
MASSACHUSETTS—													
Amherst	65.37	78.86	67.65	70.63	12	90	19	78.40	1	53	3	54.90	5 7
Boston	65.82	77.37	69.64	70.94	26	*g* 89.5	....	.....	2	50	....	.....	....
Cambridge	66.77	79.19	68.45	71.47	19	92	19	79.67	1	52	1	54.00	5.7
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Lawrence	65.32	79.45	68 16	70.98	15	*p* 91	15	80.00	1	51	1	53.33	4.7
Mendon	68.61	78.74	68.42	71.92	11	*q* 89	12	80.00	1	*r* 53	1	53 67	5.5
Nantucket	66.52	74.53	64.94	68.66	12	84	26	74.00	2	53	1	*i* 55.83	6.0
New Bedford	66.70	75.80	66.20	69.57	12	86	12	75.00	1	53	1	55.67	7.6
Newburyport (*s*)	67.99	76.97	69.18	71.38	26	91	28	81.60	1	56	1	56.60	6.5
Princeton	64.05	73.23	65.20	67.49	20	86	19	77.00	1	47	1	50.00	6.2
Richmond	63.48	81.34	71.06	71.96	12	93	17	*t* 79.00	1	47	1	53.67	5.5
Westfield	64.06	76.84	67.13	69.34	19	90	19	78.00	3	53	3	54.33	6.1
Weymouth	67.22	.....	68.15	67.68	19	*u* 75	28	75.00	1	55	1	56.00	4.9
Williamstown	67.61	74.95	66.61	69.72	19	87	19	81.33	1	52	1	54.50	5.0
Worcester	66.41	77.22	69.40	71.01	14	89	12	*d* 79.00	4	51	3	57.00	6.0
RHODE ISLAND—													
Providence (*v*)	66.10	76.60	67.00	69.90	12	88	14	*g* 77.33	2	49	1	53.67	5.5
CONNECTICUT—													
Columbia	65.58	76.97	66.23	69.59	12	94	12	80.67	1	*i* 51	1	52.67	6.7
New London	66.19	76.13	65.58	69.30	15	84	16	74.67	1	53	1	55.33	6.2
Norwich	68.26	80.71	69.81	72.93	12	92	12	80.33	2	52	1	56.67	5.0

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 8th.
c Same temperature on the 20th, 25th, 27th, and 28th.
d Same temperature on the 14th.
e Same temperature on the 4th.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 27th.
h Same temperature on the 30th.
i Same temperature on the 26.
j Observations interrupted from the 26th to the 27th.
k Same temperature on the 15th.
l Same temperature on the 19th and 28th.
m Same temperature on the 28th.
n Same temperature on the 15th and 27th.
o Same temperature on the 10th.
p Same temperature on the 19th.
q Same temperature on the 12th, 13th, 14th, 18th, and 20th.
r Same temperature on the 3d.
s Imperfect
t Same temperature on the 24th and 25th.
u Same temperature on the 27th and 28th.
v Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Pomfret	64.94	74.22	65.71	68.29	12	84	12	76.90	1	50	3	50.00	6.1
Saybrook	66.00	74.03	65.52	68.52	18	84	18	74.67	1	*a* 54	2	55.33	5.9
Wallingford	65.34	77.20	66.70	69.75	12	90	11	76.67	1	52	3	53.67	4.9
NEW YORK –													
Angelica	64.90	81.03	66.55	70.83	15	94	19	79.33	4	50	1	54.67	3.0
Baldwinsville	65.42	75.87	68.97	70.09	19	87	27	80.00	2	*b* 55	1	57.67	4.9
Beverly (*c*)	68.42	81.83	70.00	73.42	13	94	18	82.67	3	54	3	56.00	5.5
Blackwell's Island	70.29	76.19	72.71	73.06	12	85	20	80.67	3	53	2	55.67	6.2
Cazenovia	66.06	74.86	65.13	68.68	14	*d* 87	18	79.60	2	50	1	53.00	4.8
Clinton	69.68	83.90	68.84	74.14	13	*e* 96	17	84.00	2	49	1	57.33	4.8
Elen	69.32	78.16	69.94	72.47	14	94	14	80.67	1	*f* 59	2	61.33	5.1
Flatbush	68.80	77.10	67.80	71.23	12	87	29	79.09	2	52	2	54.33	6.0
Lowville	------	------	------	66.32	14	90	15	73.50	30	50	15	57.00	----
McGrawville	68.25	76.05	65.72	70.01	19	86	14	78.83	1	54	1	56.00	4.9
Morrisania	70.45	86.57	70.30	75.77	13	102	13	85.00	2	*b* 54	3	56.33	5.6
New York City	71.22	78.20	72.40	73.94	13	89	13	82.93	3	53	2	56.03	5.2
Nichols (*g*)	62.29	83.65	63.65	69.86	14	96	27	77.67	9	51	3	57.33	----
Oswego	70.00	76.00	68.00	71.33	19	93	19	83.33	3	54	1	58.00	4.0
Ovid	69.84	77.32	69.68	72.28	19	89	14	*d* 81.00	1	*a* 55	2	56.60	3.9
Penn Yan (*h*)	65.07	81.63	71.30	72.67	19	92	19	79.33	4	49	1	57.33	5.0
Rochester, [Harkness]	73.70	78.20	71.60	74.50	----	91	----	-------	----	56	----	-------	----
Rochester, [Palmer]	68.13	79.94	69.87	72.65	14	95	27	83.00	3	56	2	59.67	6.2
Sag Harbor	68.73	78.80	67.57	71.70	12	90	12	77.67	2	52	2	56.00	5.5
Saratoga	66.74	76.97	72.58	72.30	14	87	14	81.00	1	*i* 58	1	*b* 58.67	3.0
Spencertown	68.37	75.58	69.07	71.01	18	*j* 86	19	80.67	2	53	3	54.67	3.2
Townsendville	68.71	76.87	69.42	71.67	19	90	18	*k* 80.67	8	56	2	59.00	4.9
Wampsville	70.45	81.19	70.68	74.11	14	94	14	84.00	1	*l* 58	1	59.33	4.2
Waterford	69.93	80.47	71.79	74.06	19	93	19	85.50	1	57	1	59.00	4.8
Wellsville	67.08	80.27	66.23	71.19	19	90	19	81.67	30	54	29	60.00	5.5
West Concord	------	------	------	------	----	-----	----	-------	----	-------	----	-------	4.7
NEW JERSEY—													
Bloomfield	68.69	80.39	68.24	72.44	11	90	28	79.83	3	53	2	55.50	5.1
Burlington	68.84	80.26	69.42	72.84	13	*m* 90	27	*n* 79.67	3	54	2	56.67	5.0
Freehold	69.35	78.57	68.32	72.08	21	90	28	78.33	2	50	2	50.00	----
Lambertville	69.24	83.15	69.11	73.83	13	98	13	82.17	3	48.3	2	54.37	3.8
Newark (*o*)	------	------	------	71.76	13	87	27	79.75	3	51	2	54.25	----
Sergeantsville	68.97	84.71	70.90	74.86	26	97	12	82.33	2	55	2	57.07	5.4
PENNSYLVANIA—													
Bedford	67.98	80.83	68.04	72.28	9	92	17	79.33	2	56	2	57.83	5.1
Berwick	68.94	79.84	70.29	73.02	13	92	13	80.67	2	54	2	57.00	3.7
Cannonsburg	64.87	75.29	69.13	69.76	17	86	17	78.67	2	*i* 55	1	58.33	5.5
Chromedale	71.11	80.19	70.08	73.79	29	89	20	80.99	3	55	2	57.20	5.7
Easton	66.61	79.10	69.00	71.57	19	89	19	80.33	3	52	2	54.33	6.0
Fleming	69.32	82.13	69.42	73.62	13	92	13	83.00	3	59	2	61.00	4.3
Gettysburg	68.29	81.03	71.26	73.53	13	91	13	81.00	2	*b* 55	2	55.33	5.5
Harrisburg, [Heisely]	72.03	81.72	77.59	77.11	13	91	13	84.00	2	58	2	59.33	4.8
Harrisburg, [Hickok]	68.94	78.94	71.81	72.23	13	89	26	81.00	2	55	2	56.33	5.9
Lewisburg	67.28	79.65	69.48	72.14	13	90	27	80.33	2	54	2	56.50	6.4
Meadville	66.71	82.19	67.16	72.02	10	94	19	82.33	4	52	1	58.33	----
Morrisville	67.23	78.48	68.68	71.46	12	*p* 89	12	*p* 78.67	3	52	2	53.67	4.6
Murrysville	67.00	80.32	67.90	69.41	10	*j* 89	10	79.67	1	54	2	56.67	5.1
Nazareth (*c*)	69.78	86.33	68.70	74.94	13	95	19	82.00	6	61	----	?	5.3
Norristown	68.50	77.70	68.90	71.70	13	87	13	78.70	2	52	2	54.33	5.7
North Whitehall (*q*)	66.03	79.58	73.23	72.95	13	90	16	*d* 79.67	2	*b* 53	3	56.67	6.2
Paradise	------	------	------	79.00	----	------	----	-------	----	-------	----	-------	----

a Same temperature on the 2d and 3d.
b Same temperature on the 3d.
c Imperfect.
d Same temperature on the 19th.
e Same temperature on the 17th.
f Same temperature on the 2d, 3d, and 4th.
g Observations taken at 6 a. m., 1 p. m., and 9 p. m.
h Observations taken at sunrise, 2 p. m., and sunset.
i Same temperature on the 3d and 4th.
j Same temperature on the 19th and 25th.
k Same temperature on the 14th.
l Same temperature on the 2d.
m Same temperature on the 18th.
n Same temperature on the 20th.
o Observations taken at 7 a. m. and 6 p. m.
p Same temperature on the 13th.
q Observations taken at sunrise, noon, and sunset.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Philadelphia	73.74	82.11	75.94	77.26	20	90	19	84.33	3	56	3	59.67	6.3
Pocopson	70.42	82.43	71.26	74.70	19	*a* 92	20	82.67	2	54	2	56.33	6.1
Shamokin	60.52	79.55	69.00	69.69	13	96	19	79.33	4	48	2	53.67	5.5
Tarentum	67.42	83.35	68.06	72.94	15	*b* 94	27	80.33	1	*c* 54	1	55.33	4.6
West Haverford	67.19	82.81	.....	75.00	18	*d* 92	19	83.00	3	52	2	56.00	5.9
Westtown	69.68	80.21	70.77	73.55	19	*a* 87	19	81.50	3	53	2	56.00	5.3
DELAWARE—													
Georgetown (*e*)	73.58	80.42	76.71	76.90	20	93	19	86.67	3	59	3	60.33	....
Newark	71.47	79.52	71.65	74.21	13	90	20	81.67	2	*f* 56	2	58.00	6.1
MARYLAND—													
Annapolis	70 80	79.83	76.10	75.58	20	90	19	82.16	3	56	2	59.83	4.2
Bladensburg	71.56	84.23	70.62	75.47	19	95	26	81.33	2	*f* 57	2	60.00	5.6
Chestertown	71.48	80.72	70.90	74.37	18	89	19	81.33	2	*f* 56	3	58.67	5.5
Frederick	71.29	77.78	72.00	73.69	20	84	20	80.50	2	*f* 57	2	57.67	5.5
Sykesville	68.94	77.32	71.26	72.51	27	*g* 86	28	79.00	2	53	2	54.33	5.0
DISTRICT OF COLUMBIA—													
Washington, [Smiths'n Inst.]	70.45	80.71	73.05	74.74	13	*b* 88	19	81.20	3	56	2	59.60	5.4
VIRGINIA—													
Alexandria	73.26	81.34	74.34	76.31	20	89	13	82.67	3	58	2	60.67	5.1
Ashland	69.35	80.54	68.68	72.86	17	92	17	84.33	3	56	3	61.33	4.6
Berryville	63.55	77.30	69.60	70.15	19	88	20	79.60	3	54	2	56.30	5.5
Crack Whip	66.10	74.74	63.00	67.95	19	*h* 83	26	*i* 75.00	3	51	2	53.67	4.6
Crichton's Store (*j*)	71.40	84.52	79.27	78.40	20	*k* 91	21	85.33	3	58	3	62.00	6.6
Lewisburg	63.61	75.58	64.52	67.90	18	85	18	75.67	1	52	1	*l* 58.00	5.0
Meadow Dale	56.55	74.16	64.97	65.23	17	83	27	71.67	4	42	4	53.67	....
Portsmouth	72.80	84.74	71.93	76.49	19	98	19	85.00	3	61	3	63.33	5.0
Rougement	73.48	84.61	73.26	77.12	18	92	19	82.00	2	*f* 60	2	62.00	6.2
Ruthven	74.00	79.70	70.58	74.76	18	91	18	82.00	3	58	3	60.00	3.9
Salem	71.61	78.35	74.48	74.81	29	85	16	79.33	4	63	1	67.33	5.8
Sistersville	67.74	82.68	68.81	73.08	15	*m* 96	15	82.00	2	*n* 57	3	61.50	5.4
Smithfield	71.00	78.73	72.85	74 19	19	88	19	80.80	3	60	3	62.90	6.7
Wirt Court-House	67.10	81.03	70.35	72.83	17	93	17	81.33	2	56	3	60.67	5.5
NORTH CAROLINA—													
Chapel Hill	70.84	84.10	72.58	75.84	19	95	19	83.67	3	58	3	61.33	6.1
Gaston	71.65	80.45	73.58	75.23	19	90	19	83.33	4	58	4	64.00	....
Murfreesborough	69.00	78.79	70.73	72.84	21	90	21	79.33	3	*o* 59	3	61.00	5.3
Warrenton	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.8
SOUTH CAROLINA—													
Aiken	73.50	80.97	74.53	76.40	19	*p* 86	30	81.33	4	64	4	67.33	....
All Saints	75.16	80.55	77.90	77.87	21	*p* 87	30	83.00	5	64	3	70.67	5.9
Camden	72.90	81.90	73.20	76.00	13	90	22	82.67	4	63	4	67.67	6.3
Charleston, [Johnson]	75.03	82.71	77.16	78.30	21	*q* 88	21	*r* 82.33	4	64	4	66.33	....
Charleston, [Dawson]	75.32	82.73	77.16	78.40	?	88	....	.....	?	64	....	.....	....
GEORGIA—													
Athens (*s*)	70.03	81.14	72.72	74.63	12	*b* 91	19	82.50	4	78	6	59.40	4.9
Savannah	73.40	82.20	75.30	76.97	31	88	30	81.83	5	63	4	70.63	6.6
Sparta	69.16	84.87	83.68	79.24	12	93	12	81.67	2	59	3	64.00	6.2
The Rock	69.77	84.07	76.74	76.86	7	*t* 91	22	81.67	5	58	3	*o* 67 33	5.6
Whitemarsh Island	74.61	81.48	75.77	77 29	23	*r* 86	30	82.00	5	64	4	70 00	6.3
Zebulon	73.03	81.81	78.54	77.79	15	90	26	82.33	4	64	4	67 00	6.3
FLORIDA—													
Alligator	75.48	85.52	73.74	77.91	12	96	30	84.33	4	66	4	70.00	5.8
Atsena	77.46	83.00	79.06	79.84	25	88	25	83.00	5	68	4	*u* 75.33	4.9

a Same temperature on the 20th.
b Same temperature on the 19th.
c Same temperature on the 2d.
d Same temperature on the 21st.
e Observations taken at 8 a. m., and 1 and 6 p. m.
f Same temperature on the 3d.
g Same temperature on the 28th.
h Same temperature on the 26th.
i Same temperature on the 27th.
j Observations taken at 6½ a. m., noon, and 6 p. m.
k Same temperature on the 21st and 23d.
l Same temperature on the 2d and 4th.
m Same temperature on the 17th.
n Same temperature on the 3d and 4th.
o Same temperature on the 4th.
p Same temperature on the 30th.
q Same temperature on the 23d.
r Same temperature on the 30th and 31st.
s Imperfect.
t Same temperature on the 10th.
u Same temperature on the 5th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Blair (*a*)	72.71	85.48	54.48	70.89	1	*b* 92	15	82.67	3	64	3	73.67	....
Gainesville (*c*)	74.03	82.00	75.65	77.23	13	*d* 87	30	81.83	5	67	22	73.67	6.0
Jacksonville	77.18	82.58	78.55	79.44	1	*e* 89	13	82.00	4	68	4	72.83	6.5
Salt Ponds	79.74	83.74	.....	81.74	23	*f* 88	21	*g* 85.00	3	72	4	74.50	5.1
St. Augustine	76.90	82.39	77.68	78.99	21	92	20	*h* 83.67	3	73	4	75.43	5.4
Warrington	79.60	84.50	79.50	81.20	21	*i* 88	22	83.70	3	73	27	77.70	3.0
ALABAMA—													
Ashville (*j*)	.....	.....	.....	72.63	....	.....	19	77.00	....	.....	5	64.50	....
Auburn	73.19	83.60	75.29	77.36	11	92	11	83.67	4	63	4	65.67	5.0
Carlowville	75.10	83.52	75.16	77.93	11	92	11	83.00	4	62	4	65.33	4.9
Greene Springs (*k*)	71.70	82.96	74.05	76 24	18	90	18	88.33	3	60	3	*l* 70.67	5.0
Greensborough (*k*)	69.81	82.32	71.64	74.59	8	88	27	78.17	3	*m* 62	3	67.67	5.5
MISSISSIPPI—													
Columbus	71.36	86.53	74.85	77.58	19	96	18	84.23	3	62	3	68.80	4.7
LOUISIANA—													
Black River	75.06	87.90	78.68	80.55	16	*n* 96	16	87.67	4	65	3	71.00	4.2
Trinity	77.10	89.19	78.68	81.66	16	99	15	*o* 88.67	4	65	4	72.00	3.7
TEXAS—													
Austin, [Jennings]	74.61	90.68	80.13	81.81	18	100	18	89.33	4	69	4	*p* 76.00	5.1
New Braunfels	80.07	100.03	84 23	88.11	18	108	18	94.67	5	*q* 75	10	79.33	4.5
Union Hill	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.3
Washington	78.42	94.42	77.73	83.52	17	106	17	92.67	4	70	7	77.33	3.3
TENNESSEE—													
Glenwood	67.87	79.16	71.52	73.08	19	89	19	81.50	3	*p* 59	3	61.50	4.5
KENTUCKY—													
Danville	71.39	82.35	71.68	75.14	17	91	17	81.67	1	61	2	*r* 65.67	3.2
Paris	67.77	78.45	69.42	71.88	17	88	19	80.33	1	55	2	59.33	4.8
Springdale (*s*)	61.81	86.32	72.98	73 70	12	*n* 96	18	81.67	1	47	1	61.33	4.4
OHIO—													
Bowling Green (*t*)	62.17	80.06	68.97	77.07	13	93	18	78.00	1	*u* 54	1	57.33	....
Cincinnati, [Harper]	73.65	82.52	77.35	77.84	25	95	20	86.00	1	57	1	61.67	6.0
Cleveland	67.73	75.97	68.37	70.69	13	87	26	80.00	1	55	1	57.70	5.2
Collingwood	66.42	76.52	69.65	70.86	12	*v* 88	12	79.00	1	*m* 55	1	56.33	....
Edinburg	67.42	79.78	67.16	71.45	17	90	17	80.67	1	53	2	56.69	5.2
Gallipolis	66.00	80.52	68.90	71.83	17	92	19	82.00	3	52	3	59.00	....
Hillsborough	65.31	76.02	68.31	69.88	17	87	17	78.50	1	53	1	56.33	4.4
Hiram	67.06	76.74	68.06	70.62	13	88	13	79.33	1	53	1	55.00	6.1
Jefferson	68.19	77.87	72.16	72.74	10	*w* 82	17	*x* 79.33	21	*y* 60	21	*i* 62.67	9.9
Madison, (Atkins)	72.90	77.07	71.46	73.81	27	93	27	84.67	1	58	22	66.00	5.8
Madison, [Cunningham]	70.48	79.14	64.78	71.47	14	95	27	81.33	1	54	1	57.67	4.5
Medina	69.31	76.32	66.29	70.64	13	88	13	80.00	2	54	1	60.33	5.8
New Lisbon	72.58	88.41	72.58	77.86	....	94	20	85.00	....	59	1	64.67	3.5
Oberlin	69.74	79.79	66.90	72.14	26	94	26	82.00	1	*z* 56	1	60.33	3.4
Perrysburg (*aa*)	72.48	81.39	72.03	75 30	12	*b* 92	13	83 67	1	*z* 60	1	62.67	....
Savannah	71.78	84.26	66.74	74.26	26	98	26	84.00	1	54	2	58.00	6.3
Sidney	71.87	80.96	69.82	74.22	13	98	17	84.67	1	54	1	61.00	6.0
Urbana	67.39	82.10	69.03	72.84	17	92	17	80.70	1	54	1	58.30	4.9
Welchfield	72.51	82.10	67.64	74.08	13	100	13	85.60	1	55	1	58.00	3.0
Windham	66.81	77.31	67.34	70.49	19	87	19	78.67	2	55	2	56.33	....
MICHIGAN—													
Ann Arbor	69.00	85.42	69.87	74.76	13	*bb* 97	17	85.67	20	58	1	65.67	2.6
Battle Creek	68.16	80.94	68.74	72.61	12	*b* 92	12	81.00	1	*z* 56	1	57.00	3.5

a For the first 21 days of the month only.
b Same temperature on the 13th.
c Observations taken at 5 a. m., 2 p. m., and 9 p. m.
d Same temperature on the 14th, 25th, and 30th.
e Same temperature on the 30th.
f Same temperature on the 24th.
g Same temperature on the 23d and 24th.
h Same temperature on the 21st.
i Same temperature on the 22d.
j Hours of observation not reported.
k Imperfect
l Same temperature on the 5th and 6th.
m Same temperature on the 4th.
n Same temperature on the 17th
o Same temperature on the 16th.
p Same temperature on the 6th.
q Same temperature on the 10th and 11th.
r Same temperature on the 3d.
s Observations taken at 5 a. m., 2 p. m., and 7 p. m.
t Observations taken at sunrise, 2 p. m., and 9 p. m.
u Same temperature on the 3d and 5th.
v Same temperature on the 18th.
w Same temperature on the 11th, 17th, 18th, and 19th.
x Same temperature on the 18th and 19th.
y Same temperature on the 22d, 23d, 24th, 25th and 26th.
z Same temperature on the 2d.
aa Observations taken at 7 a. m., 1 p. m., and 9 p. m.
bb Same temperature on the 25th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Cooper	68.52	76.26	65.61	70.13	11	94	11	82.00	2	50	1	52.67	1.9
Copper Falls Mines	63.50	71.09	61.83	65.47	26	95	25	80.00	1	*a* 49	1	52.15	3.3
Grand Rapids, [Currier]	66.71	81.47	68.94	72.37	11	94	17	80.67	1	52	1	54.67	3.8
Grand Rapids, [Streng]	67.90	83.22	68.77	73.30	13	97	13	*b*83.00	1	53	1	54.30	4.6
Monroe	------	------	------	------	----	------	----	------	----	------	----	---- ---	3.9
New Buffalo (*c*)	------	------	------	------	----	------	----	------	----	------	----	------	5.2
Port Huron	68.52	80.00	68.87	72.46	13	95	13	83.00	2	55	2	58.00	4.5
INDIANA—													
Evansville	72.55	81.82	76.81	77.06	17	90	17	84.33	3	58	2	65.00	4.1
Logansport (*d*)	63.00	83.00	74.00	73.00	?	99	----	------	?	51	----	------	----
Michigan City	70.37	79.85	67.25	72.49	12	100	26	85.67	2	52	1	54.00	4.4
New Harmony	72.90	84.00	73.40	76.77	17	92	11	*e*82.60	3	58	2	62.00	4.6
Richmond	67.39	78.74	68.98	71.70	17	90	17	80.90	1	54	1	56.80	4.9
ILLINOIS—													
Augusta	68.87	85.64	74.13	76.21	16	*f* 98	18	87.67	2	58	2	63.67	2.1
Athens	69.93	88.32	70.32	76.19	16	*g*100	16	*g*85.67	3	54	2	65.00	3.7
Batavia (*h*)	67.68	81.48	67.84	73.91	17	95	17	83.00	1	*a* 54	2	61.60	----
Brighton	79.58	90.81	85.81	85.40	16	106	16	97.33	1	68	3	72.00	3.2
Edgington	66 58	87.90	72.71	75.73	18	98	17	84.33	1	54	2	62.67	3.4
Fremont Centre	74.58	83.07	68.00	75.22	9	*i* 92	18	85.33	1	53	2	61.67	3.5
Manchester (*j*)	70.03	82.52	71.90	74.82	17	93	17	85.67	2	55	2	58.67	2.2
Marengo	75.20	86.93	70.73	77.62	17	100	17	86.67	1	54	1	62.00	3.7
Ottawa	69.63	81.29	71.03	73.98	17	*f* 93	17	85.00	1	*a* 58	2	62.00	3.9
Peoria	71.17	89.25	74.72	78.38	17	99	17	89.37	2	59	2	65.00	3.2
Pekin	69.87	84.32	71.32	75.17	17	97	17	87.33	1	*k* 56	2	63.33	2.8
Riley	66.56	82.00	66.73	71.76	12	94	12	82.33	4	48	6	41.00	2.8
Warsaw	74.13	87.30	73.52	78.35	16	*f*102	18	89.00	3	61	2	64.33	3.5
West Salem	70.52	86.71	72.32	76.52	17	96	17	85.00	3	58	2	63.00	4.0
West Urbana	72.45	83.45	71.61	75.84	17	97	18	85.33	2	55	2	57.33	4.2
Winnebago	------	------	------	------	----	------	----	------	----	------	----	------	3.0
MISSOURI—													
Cape Girardeau (*l*)	67.89	83.33	75.00	76.03	16	*g* 92	17	85.50	3	56	2	63.00	6.2
Palmyra (*o*)	61.79	87.00	74.65	76.14	19	101	----	?	2	*p* 49	----	?	7.3
St. Joseph (*m*)	64.15	87.28	71.95	78.28	18	100	18	87.75	3	52	3	65.44	6.6
St. Louis	75.20	86.90	76.30	79.47	17	101	17	91.67	2	59	2	63.67	3.1
Springfield (*n*)	65.76	83.78	72.75	74.16	17	97	12	85.00	4	51	3	63.17	7.8
WISCONSIN—													
Appleton	68.26	81.84	68.19	72.76	9	93	18	82.33	1	56	1	58.67	2.9
Bay City	65.55	75.39	63.52	71.49	6	92	25	81.33	2	52	2	55.33	1.4
Beloit	67.51	83.70	67.70	72.97	9	93	17	81.67	1	57	2	62.00	2.1
Janesville	67.87	85.06	70.29	74.41	9	95	9	*i*80.67	1	*q* 60	2	63.00	3.6
Kenosha	67.55	75.19	65.98	69.57	17	96	17	82.00	1	54	2	56.67	2 4
Lind	------	------	------	------	----	------	----	------	----	------	----	------	3.4
Madison, [Sterling] (*r*)	72.90	80.10	72.30	75.10	15	95	15	86.00	1	*a* 60	2	63.67	1.7
Manitowoc	66.91	76.45	65.06	69.47	7	92	7	79.33	1	54	1	59.33	4.6
Milwaukee, [Pomeroy]	64.68	75.00	63.16	67.61	31	87	19	76.00	1	*a* 50	1	54.33	5.2
Milwaukee, [Winkler]	68.42	78.26	64.00	68.89	17	*s* 88	17	79.00	1	51	1	*a* 57.67	2.9
New London	64.83	81.45	69.06	71.78	9	98	8	*t*82.00	22	56	21	60.67	3.1
Platteville	71.03	88.68	74.45	78.05	17	102	17	91.67	2	*u* 60	1	67.33	2.6
Waukesha	68.13	80.52	66.78	71.81	8	92	17	78.67	1	54	1	59.33	3.7
IOWA—													
Bellevue	69.90	85.58	69.19	74.89	8	97	18	82.33	1	*k* 52	2	66.00	2.9
Border Plains	69.13	86.19	71.00	75.44	15	*g* 96	15	*g*84.67	1	46	1	65.00	3.2

a Same temperature on the 2d.
b Same temperature on the 17th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Observations taken at sunrise, noon, and sunset.
e Same temperature on the 13th and 16th.
f Same temperature on the 18th.
g Same temperature on the 17th.
h Observations taken at 6 a. m., 9 a m., 12 m., 6 and 9 p. m. Mean at 9 a. m., 77.71; mean at 6 p m., 74.81.
i Same temperature on the 17th and 18th.
j Observations taken at 7 a. m., 1 p. m., and 9 p. m.
k Same temperature on the 3d.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9. m. Mean at 9 a. m., 77.90.
m Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 79.73.
n Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
o Observations taken at sunrise, 9 a. m., 3 p. m , and 9 p. m. Mean at 9 a. m., 81.10.
p Same temperature on the 1st.
q Same temperature on the 2d and 3d.
r Imperfect
s Same temperature on the 18th and 25th.
t Same temperature on the 9th.
u Same temperature on the 25th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
IOWA—Continued.													
Dubuque	76.17	84.48	74.86	78.50	17	92	16	86.33	2	67	2	69.33	3.1
Fairfield	76.00	86.65	72.03	78.23	18	99	18	88.33	2	59	1	63.33	3.1
Fort Madison (*a*)	71.16	88.09	76.77	78.67	16	*b* 104	15	86.00	1	*c* 59	2	64.33	3.8
Franklin	70.13	83.10	70.06	74.43	9	*d* 93	17	82.67	1	60	2	64.67	2.8
Iowa City	73.16	84.32	72.58	76.69	17	95	17	88.00	2	*e* 62	2	64.67	3.1
Muscatine	60.97	85.35	68.19	71.50	18	97	15	81 00	1	45	2	59.33	2.5
Pleasant Plain	77.13	89.35	57.03	74.50	16	*f* 102	18	90.67	2	61	2	66.00	2.4
MINNESOTA—													
Princeton	73.26	85.65	69.87	76.26	9	*d* 96	10	86.67	28	58	28	62.67	2.2
NEBRASKA—													
Bellevue	73.74	83.35	72.94	76.68	17	*f* 93	15	*g* 84.33	1	60	1	63.67	2.9
Omaha	------	------	------	------	----	------	----	------	----	------	----	------	2.6
KANSAS—													
Council City	76.90	94.13	71.00	80.38	19	112	19	95.33	1	*h* 56	3	69.33	2.9
Lawrence	75.60	90.90	79.71	82.07	18	105	18	93.00	3	65	3	71.00	2.0
UTAH—													
Great Salt Lake City (*i*)	65.45	82.97	72.03	74.02	22	93	19	81.25	4	56	2	62.75	9.1
OREGON—													
Fort Thompson (*j*)	14.79	25.20	12.40	17.52	14	38	16	29.67	23	—11 *k*	24	— 4.67	....
Salem (*l*)	------	------	------	67.10	----	------	----	------	----	------	----	------	....
CALIFORNIA—													
Sacramento	67.13	76.87	70.42	71.47	25	90	25	80.67	1	*m* 62	2	65.00	0.4
San Francisco	56.97	66.84	55.94	59.92	3	*g* 73	3	*g* 64.00	27	53	23	57.00	3.2
MEXICO—													
Mirador (*n*)	76.57	84.65	76.36	79.19	----	------	----	84.42	----	------	----	75.27	....
Vera Cruz (*o*)	76.51	------	80.36	78.43	23	85	----	------	5	74	----	------	....
WEST INDIES—													
St. George's, Bermuda	------	------	------	78.60	30	89	----	------	3	72	----	------	....
CENTRAL AMERICA—													
Guatemala (*p*)	------	------	------	66.09	----	81	----	------	----	54	----	------	....
SOUTH AMERICA—													
Catharina Sophia, Surinam (*q*)	74.03	84.48	81.10	79.87	16	*r* 89	19	*s* 81.50	4	*t* 71	10	77.00	5.0
AZORES—													
Horta, Fayal	71.90	73.10	67.26	70.75	23	*u* 79	23	74.33	3	*v* 64	3	65.33	6.2

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 17th.
c Same temperature on the 2d and 3d.
d Same temperature on the 10th and 16th.
e Same temperature on the 1st.
f Same temperature on the 18th.
g Same temperature on the 16th.
h Same temperature on the 3d.
i Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 75.65.
j Observations taken at 9 a. m., 1 p. m., and 9 p. m.
k Same temperature on the 25th.
l Hours of observation not reported.
m Same temperature on the 2d.
n Observations taken at 7 a. m., 2 p. m., and 8 p. m.
o Observations taken at 5 a. m. to 6 a. m., and 9 p. m. to 10 p. m.
p Register thermometer.
q Observations taken at 6 a. m., 2 p. m., and 6 p. m.
r Same temperature on the 17th and 19th.
s Same temperature on the 27th.
t Same temperature on the 17th and 23d.
u Same temperature on the 30th.
v Same temperature on the 5th, 7th, and 27th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	70.16	-------	68.70	69.43	?	96	13	84.00	?	49	23	62.50	----
Montreal	64.00	72.30	65.20	67.17	14	85	14	76.90	17	56	24	59.06	5.5
Red River Settlement (*b*)	58.74	72.41	66.06	65.74	1	84	?	?	28	50	?	?	4.7
	59.13	73.60	63.50	65.41	8	85	10	79.00	22	45	22	53.33	3.8
St. John's	57.06	66.10	58.39	60.50	9	75	15	69.00	13	35	13	52.67	----
St Martin	58.90	76.14	61.88	65.57	7	88	4	74.70	18	*c* 47	17	55.40	4.2
Stanbridge	61.64	71.52	62.26	65.14	14	84	14	77.00	24	48	24	53.67	5.5
Toronto (*d*)	59.40	71.96	62.75	64.70	13	85	13	76.38	24	50	24	57.93	4.7
Wolfville	62.35	72.87	63.97	66.40	8	84	27	72.80	17	52	12	59.30	5.0
MAINE—													
Cornish, [Guptill]	62.19	71.45	64.58	66.07	14	86	14	76.67	17	*e* 54	17	56.67	5.4
Cornish, [West]	60.58	70.45	60.74	63.92	14	84	14	73.00	17	*f* 53	17	55.33	5.0
Gardiner	63.29	73.34	63.13	66.59	14	87	14	76.33	19	52	20	60.67	6.0
Monson	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	6.0
Perry	57.52	66.27	58.48	60.76	7	74	7	67.67	24	50	24	54.00	4.3
Portland	62.30	70.81	63.47	65.53	14	87	14	72.50	25	56	17	59.16	5.5
Steuben	59.87	68.03	59.13	62.34	15	79	15	70.67	21	50	22	55.67	5.7
NEW HAMPSHIRE—													
Concord	60.90	74.42	63.00	66.10	14	87	9	77.67	25	52	17	57.67	4.5
Francestown, [Bixby]	62.48	70.84	64.44	65.92	14	84	14	79.00	18	*g* 55	17	57.33	4.5
Manchester	62.07	78.12	66.26	68.82	14	94	14	80.00	25	51	17	60.00	5.1
North Barnstead	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	6.1
Shelburne	60.90	77.90	61.55	66.78	14	92	14	77.33	19	50	17	58.67	5.9
West Enfield	61.06	73.52	61.90	65.49	14	87	14	79.67	19	52	17	54.33	4.9
VERMONT—													
Brandon	59.68	71.70	62.52	64.63	14	86	14	78.33	19	51	18	55.34	5.1
Craftsbury	57.97	68.65	59.55	62.06	14	81	14	74.00	17	*h* 50	24	52.00	4.8
Rupert	67.61	76.10	68.71	70.80	4	100	4	86.00	19	54	19	59.00	6.6
St. Johnsbury	53.64	72.59	59.11	61.78	14	84	14	76.33	25	43	17	54.00	3.7
Shelburn	63.63	71.33	62.10	65.49	4	83	14	76.00	24	51	18	55.00	5.0
West Fairlee	59.48	72.35	62.70	64.84	4	*i* 83	8	76.67	25	51	17	54.67	----
MASSACHUSETTS—													
Amherst	62.54	75.00	64.16	67.23	14	90	14	81.33	19	54	24	59.00	5.3
Cambridge	63.77	74.16	66.29	68.07	14	89	14	82.00	25	56	18	61.67	5.1
Florida	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	5.5
Lawrence	74.71	65.64	67.66	69.34	14	91	14	79.00	25	51	19	59.33	3.2
Mendon	64.22	75.19	65.61	68.34	14	92	14	82.33	25	49	18	58.33	5.2
Nantucket	67.58	73.01	64.73	68.44	14	84	14	77.50	20	58	20	62.57	4.0
New Bedford	65.20	73.45	65.32	67.99	14	88	14	79.67	18	*j* 57	18	59.67	5.4
Newburyport	65.28	74.16	66.80	68.75	14	93	14	80.33	25	54	23	65.20	6.3
Princeton	60.81	70.37	62.28	64.49	14	85	14	78.17	24	51	24	55.67	5.1
Richmond	64.19	76.35	66.35	68.96	15	87	10	*k* 75.33	12	54	17	60.00	5.3
Westfield	60.71	74.71	64.16	66.53	14	91	14	79.67	27	52	24	60.33	5.0
Weymouth	64.20	-------	67.00	65.60	14	82	13	71.50	18	*l* 58	18	58.00	4.0
Williamstown (*m*)	60.59	71.47	63.39	65.15	14	84	14	78.70	19	49	24	57.20	5.9
Worcester	64.07	73.70	65.93	67.90	14	90	14	82.67	25	55	18	57.67	5.7
RHODE ISLAND—													
Providence (*n*)	62.50	73.30	64.70	66.83	14	86	14	79.00	31	54	18	59.33	5.0
CONNECTICUT—													
Columbia	64.71	75.45	64.16	68.11	14	91	14	80.33	24	55	24	61.33	5.6
New London	66.71	77.68	65.55	69.98	14	90	15	82.00	10	58	25	64.67	3.9
Norwich	65.48	78.84	67.81	70.71	14	92	14	83.00	19	53	18	*c* 63.00	3.7
Pomfret	62.55	71.39	63.61	65.85	14	85	14	76.50	25	54	24	59.70	5.2
Saybrook	66.58	74.84	66.94	69.45	9	83	14	78.00	25	57	22	62.00	4.2
Wallingford	62.11	76.22	64.77	67.70	14	90	14	81.00	31	52	30	63.17	4.1

a Observations taken at 9 a. m. and 9 p. m.
b Incomplete.
c Same temperature on the 19th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 18th, 19th, and 24th.
f Same temperature on the 18th.
g Same temperature on the 21st.
h Same temperature on the 24th and 25th.
i Same temperature on the 8th and 14th.
j Same temperature on the 25th.
k Same temperature on the 14th.
l Same temperature on the 20th.
m Imperfect.
n Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	Mn temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—	°	°	°	°		°		°		°		°	
Baldwinsville	60.52	70.19	64.39	65.03	15	84	15	77.00	24	52	24	55.00	4.3
Bellport	67.61	74.10	66.52	69.41	14	86	14	83.33	30	54	30	60.00	4.3
Beverly (*a*)	67.65	83.22	69.00	73.29	14	94	....	?	31	59	....	?	4.5
Blackwell's Island	70.81	76.81	70.68	72.77	14	89	14	85.00	22	*b* 65	18	*c* 67.00	4.6
Cazenovia	60.87	68.61	59.10	62.86	14	81	14	75.33	24	48	24	53.33	5.9
Clinton	62.26	78.94	64.45	68.55	7	92	14	81.00	25	48	24	56.33	5.6
Eden	65.26	74.13	65.39	68.26	4	89	9	78.00	23	48	23	55.00	5.3
Flatbush	67.20	77.12	67.32	70.55	14	90	14	82.90	25	56	25	64.50	4.7
Houseville	60.81	72.58	60.26	64.55	4	*d* 86	13	77.00	24	50	24	54.67	5.8
Lowville	.....	.....	.....	62.54	13	84	13	74.25	25	49	24	54.00	....
McGrawville	61.09	71.63	61.27	64.66	14	85	14	78.33	31	49	24	54.43	4.8
Morrisania	69.77	84.90	69.58	74.75	9	99	14	85.67	25	60	24	66.33	3.7
New York city	71.11	77.75	72.66	73.84	14	90	14	85.20	25	62	24	66.20	4.3
Nichols (*e*)	56.58	79.20	59.39	65.06	14	92	14	79.33	25	41	24	55.67	....
Oswego	64.74	73.16	65.55	67.82	7	*f* 87	14	81.00	24	55	24	59.00	4.5
Ovid	68.32	77.55	65.52	70.46	14	94	4	83.00	18	54	30	60.00	6.0
Penn Yan (*g*)	58.81	73.78	64.78	65.79	14	89	14	80.67	19	47	19	58.00	4.3
Rochester, [Harkness]	68.90	73.50	67.70	70.03	....	86	....	.....	....	56	....	.....	....
Rochester, [Palmer]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.2
Sag Harbor	67.87	78.94	67.45	71.42	14	90	14	83.00	19	*h* 60	24	66.00	4.3
Saratoga	64.06	73.65	72.00	69.90	14	87	14	79.67	25	55	17	62.33	2.1
Spencertown	63.74	75.13	66.13	68.33	14	92	14	82.00	25	52	24	61.00	4.2
Townsendville	64.84	73.81	63.55	67.40	13	88	13	79.00	24	*h* 54	24	57.00	4.8
Wampsville	62.29	72.84	62.61	65.91	13	85	13	*i* 77.00	24	52	24	58.00	4.8
Waterford (*j*)	65.27	74.30	66.00	68.52	14	92	14	82.34	24	58	24	60.67	4.6
Wellsville	62.61	73.68	60.48	65.59	14	90	14	82.33	22	47	24	56.00	5.5
West Concord	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.2
NEW JERSEY—													
Bloomfield	67.31	80.69	67.18	71.73	14	93	14	85.67	30	58	30	65.50	4.1
Burlington	66.81	78.97	69.20	71.66	14	91	14	83.00	25	56	24	*k* 65.00	4.6
Freehold	66.92	78.55	67.63	71.03	14	91	14	85.17	25	56	23	63.75	....
Lambertville	66.46	82.37	66.93	71.92	14	94	14	84.57	25	43	30	63.10	5.5
Newark (*l*)	.....	.....	.....	69.77	14	89	14	79.14	25	51	25	62.37	....
Sergeantsville (*m*)	69.81	85.30	74.23	76.45	14	*n* 96	15	86.67	24	61	24	67.33	3.2
PENNSYLVANIA—													
Bedford	65.23	78.77	66.19	70.06	14	91	14	82.67	25	50	25	62.67	4.4
Berwick	65.03	77.35	69.00	70.46	14	90	14	82.33	21	*o* 54	24	62.67	3.4
Cannonsburg	64.50	75.52	68.16	69.39	7	86	13	76.67	23	*o* 57	13	76.67	4.9
Chromedale	67.25	77.61	67.76	70.87	14	89	14	82.50	26	56	25	60.20	4.1
Easton	63.71	76.78	66.63	69.04	14	87	14	80.17	25	51	30	60.83	4.5
Fleming	63.74	76.97	65.51	68.74	11	*p* 88	14	80.00	31	52	24	60.00	4.1
Gettysburg	66.39	80.10	68.52	71.67	14	92	14	83.33	25	53	24	60.00	3.7
Harrisburg, [Heisely]	71.00	76.43	76.11	74.51	14	91	14	86.67	25	59	22	68.33	4.1
Harrisburg, [Hickok]	66.16	77.97	71.02	71.72	13	89	14	83.17	25	53	25	62.83	4.6
Lewisburg	63.61	77.37	68.14	69.71	14	91	14	83.23	25	50	24	62.07	5.4
Meadville	63.32	43.68	63.32	56.77	13	89	13	80.67	24	50	30	60.00	4.6
Morrisville	65.55	77.19	67.19	69.98	14	90	14	81.00	25	*q* 56	25	64.67	2.9
Mount Joy	70.03	83.11	71.47	74.87	14	95	14	88.00	25	58	25	67.67	3.2
Murrysville	64.26	78.68	65.94	69.63	14	88	14	81.00	25	50	24	58.00	4.5
Nazareth (*r*)	64.67	76.00	64.25	68.31	14	89	14	78.67	24	54	23	61.67	4.6
Norristown	65.60	76.02	68.11	69.91	14	88	14	81.70	25	53	24	61.70	5.6
North Whitehall (*s*)	63.67	77.77	71.33	70.92	14	92	14	84.00	25	50	24	63.00	5.9
Paradise	.....	.....	.....	77.00	....	.....	....	.....	....	.....	....	.....	....

a Imperfect.
b Same temperature on the 24th and 25th.
c Same temperature on the 24th.
d Same temperature on the 13th.
e Observations taken at 6 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 8th.
g Observations taken at sunrise, 2 p. m., and sunset.
h Same temperature on the 30th.
i Same temperature on the 14th.
j Observations interrupted from the 3d to the 13th of the month, inclusive.
k Same temperature on the 25th.
l Observations taken at 7 a. m. and 6 p. m.
m Incomplete.
n Same temperature on the 15th.
o Same temperature on the 31st.
p Same temperature on the 13th and 14th.
q Same temperature on the 26th.
r For the last 23 days of the month only.
s Observations taken at sunrise, noon, and sunset.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Philadelphia	71.86	80.97	72.97	75.27	14	94	14	87.00	24	61	24	66.00	5.0
Pittsburg, [Martin]	66.61	75.32	70.48	70.80	14	85	14	80.67	25	53	25	60.00	5.3
Pocopson	69.13	81.47	69.06	73.22	14	95	14	86.00	25	57	25	*a* 66.00	4.8
Shamokin	57.71	76.77	65.87	66.78	14	94	14	80.67	25	39	24	54.67	5.9
Tarentum	65.10	79.58	65.16	69.95	8	92	14	81.67	25	51	24	60.00	4.8
West Haverford	69 10	81.32	.....	50.14	14	93	15	85.00	25	60	24	68.00	2.9
Westtown	67.74	77.48	68.54	71.25	14	91	14	83.83	25	54	24	*b* 63.83	4.0
DELAWARE—													
Georgetown (*c*)	73.53	79.65	75.52	76.23	14	*d* 91	15	*b* 87.67	31	65	24	*b* 70.33	....
Newark (*e*)	70.02	79.23	70.81	73.35	14	94	14	86.17	25	57	25	63.00	4.3
MARYLAND—													
Annapolis	69.97	79.31	75.48	74.92	14	93	14	86.33	31	59	30	67.50	3.6
Bladensburg (*e*)	67.07	83.05	67.75	72.62	15	98	14	85.17	25	56	25	64.33	3.8
Frederick	69.12	76.65	69.96	71.91	15	86	13	82.83	25	55	25	63.50	4.2
Sykesville	66.77	75.81	69.16	70.58	14	*f* 85	14	81.33	21	*g* 57	22	63.67	3.8
DISTRICT OF COLUMBIA—													
Washington	69.44	79.31	71.89	73.55	15	91	14	84.80	25	59	22	66.50	4.5
VIRGINIA—													
Alexandria	72.93	80 46	73.57	75.65	14	91	14	86.33	25	60	25	67.67	5.0
Ashland	68.65	81.12	68.97	72.91	13	*h* 90	14	82.33	21	*i* 56	30	62.67	2.9
Berryville	66.18	77.08	69.17	70.81	15	91	14	81.90	25	55	21	62.90	4.8
Crack Whip (*e*)	63.91	72.82	61.27	66.00	12	*j* 88	17	75.67	30	49	30	57.00	5.4
Crichton's Store (*k*)	74.07	84.78	81.90	80.25	15	98	15	92.00	22	*a* 62	20	71.00	4.6
Lewisburg	63.00	78.35	65.22	68.86	15	88	16	78.33	25	*a* 54	24	62.00	4.6
Meadow Dale	58.74	72.61	66.26	65.87	13	*l* 82	14	75.33	31	44	22	57.00	....
Poplar Grove	68.19	80.39	69.10	72.56	13	91	14	81.00	31	54	30	64.00	5.3
Portsmouth	73.00	84.48	72.54	76.67	18	97	15	*e* 6.67	31	62	31	68.33	3.7
Rose Hill	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.9
Rougemont	73.22	82.37	74.16	76.58	14	*d* 94	14	*d* 88.33	30	64	27	66 67	5.4
Ruthven (*e*)	72.00	83.90	70.00	75.30	18	96	17	*m* 83.00	30	58	30	66.00	2.8
Salem	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.3
Smithfield	70.70	80.67	74.32	75.23	14	92	15	85.10	31	58	31	67.50	5.5
Wirt Court-House	67.73	80.17	67.23	71.71	17	94	14	*n* 82.00	21	*o* 56	24	*p* 62.33	6.0
NORTH CAROLINA—													
Ashville (*q*)	67.81	72.81	69.35	69.99	16	80	16	75.67	30	55	31	60.67	....
Chapel Hill	72.39	85.19	74.93	77.50	17	99	15	*r* 87.67	30	63	30	67.00	4.9
Gaston	70.64	84.71	72.45	75.93	16	100	16	88.00	21	58	21	66.00	....
Murfreesborough	71.07	83.15	72.60	75.61	15	96	15	87.67	21	62	20	66.00	4.1
Warrenton	73.09	81.55	76.03	76.89	15	*r* 92	15	*s* 86.00	31	60	22	68.67	2.7
SOUTH CAROLINA—													
Aiken	76.29	82.83	80.45	79.86	15	*t* 92	16	88.00	22	*u* 69	21	73.67	....
All Saints	76.16	80.45	78.71	78.44	28	88	28	83.33	21	67	28	83.33	4.7
Camden	73.83	84.48	75.22	77.84	16	95	16	87.00	22	65	21	71.33	5.1
Charleston	77.03	84.39	79.03	80.15	16	92	16	86.00	21	68	21	74.00	....
Charleston, [Dawson]	77.32	84.38	78.96	80.22	?	92	....	.....	?	68	....	.....	....
GEORGIA—													
Savannah	74.62	85.28	76.75	78.88	19	96	19	86.20	22	67	21	71.90	4.8
Sparta	.....	.....	.....	78.50	....	.....	....	.....	....	.....	....	.....	5.1
The Rock	71.16	83.19	75.93	76.76	15	92	14	*t* 83.33	20	62	19	*w* 69.67	4.7
Whitemarsh Island (*v*)	75.83	83.18	76.23	78.41	16	91	16	84.00	21	67	21	72.33	5.3
Zebulon	74.66	83.92	80.04	79.54	18	91	18	85.41	22	66	20	70.55	5.7
FLORIDA—													
Alligator	77.45	87.84	76.55	80.61	16	100	16	89.33	22	65	21	69.33	4.8

a Same temperature on the 31st.
b Same temperature on the 25th.
c Observations taken at 8 a. m., 1 p. m., and 6 p. m.
d Same temperature on the 15th.
e Imperfect.
f Same temperature on the 15th and 17th.
g Same temperature on the 22d and 25th.
h Same temperature on the 14th.
i Same temperature on the 30th and 31st.
j Same temperature on the 13th and 14th.
k Observations taken at 7 a. m., noon, and 6 p. m.
l Same temperature on the 14th and 15th.
m Same temperature on the 18th.
n Same temperature on the 15th and 16th.
o Same temperature on the 24th and 31st.
p Same temperature on the 29th.
q Observations taken at 7 a. m., noon, and 9 p. m.
r Same temperature on the 17th.
s Same temperature on the 16th and 17th.
t Same temperature on the 16th.
u Same temperature on the 30th.
v No observations after the 22d of the month.
w Same temperature on the 22d.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Atsena	79.52	83.81	80.65	81.33	17	90	16	*a*85.67	19	72	19	77.33	6.1
Belair	74.87	84.19	78.94	79.33	26	*b* 92	27	86 67	21	*c* 69	21	72.33	6.3
Gainesville	74.58	83.52	77.97	78.69	16	90	16	84.00	22	*c* 69	21	73.67	4.8
Jacksonville	77.00	85.42	78.66	80.36	29	95	16	84.83	22	*c* 72	21	74.67	5.0
St. Augustine	80.16	82.87	78.48	80.50	28	93	29	85.33	11	74	22	*c* 75.33	3.9
Salt Ponds	80.74	86.03	.....	83.39	26	*d* 89	26	86.00	22	77	22	78.50	5.4
Warrington	79.16	83.16	79.26	80.53	18	89	18	84.67	21	73	3	75.00	3.4
ALABAMA—													
Ashville (*e*)	.....	.....	.....	74.33	.....	.....	18	*f* 77.50	.....	.....	30	65.50	.....
Auburn	74.55	83.79	75.28	77.87	18	92	18	84.67	24	67	30	73.67	4.7
Carlowville	75.29	86.84	75.58	79.24	17	*g* 91	24	82.33	1	70	1	*h* 73.67	3 3
Greene Springs	74.54	84.70	75.61	78.28	14	*i* 92	13	84.00	31	60	20	68.00	3.9
Greensborough (*j*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.2
MISSISSIPPI—													
Columbus	72.43	85.72	75.19	77.78	18	92	14	82.07	31	62	30	69.13	4.0
LOUISIANA—													
Black River	75.77	87.06	85.84	82.89	8	*k* 92	8	*l* 83.00	31	64	30	72.00	4.5
New Orleans (*m*)	83.32	84.55	84.65	84.17	17	*n* 90	29	88.00	11	76	11	78.00	.....
TEXAS—													
Austin	76.45	92.61	81.52	83.53	28	97	9	87.00	30	70	13	79.33	4.9
New Braunfels	81 71	101.16	87.10	89.99	10	108	31	87.00	30	76	1	92.33	4.5
Union Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.3
Washington	80.13	91.97	79.39	83.83	5	*o* 100	6	88.00	30	72	16	80.00	3.7
TENNESSEE—													
Glenwood	69.30	78.59	71.75	73.21	17	87	14	80.67	31	56	30	64.33	5.4
KENTUCKY—													
Danville	70.90	81.90	71.06	74.62	13	*p* 90	14	*q* 82.33	31	60	30	67.33	3.5
Paris	67.35	78.39	69.58	71.77	17	89	14	82.00	31	51	30	61.67	4.3
Springdale (*r*)	62.76	84.06	74.01	73.61	14	95	14	84.00	30	48	29	64.00	4.7
OHIO—													
Bowling Green (*s*)	60.39	76.55	67.06	68.00	14	91	14	81.67	21	48	29	56.67	.....
Cincinnati, [Harper]	74.30	78.45	76.65	76.47	17	92	8	*t* 87.00	31	58	29	*u* 68.00	4.7
Cleveland	65.10	75.00	66.63	68.91	13	91	13	83.33	30	53	29	61.00	5.1
Collingwood	64.26	75.22	66.90	68.79	7	89	13	78.67	29	*u* 53	29	57.33	.....
Edinburg	65.77	76.45	64.97	69.06	14	89	13	81.00	24	54	24	60.00	4.7
Gallipolis	67.12	80.29	69.39	72.27	8	*v* 90	13	82.33	21	*w* 50	20	*w* 62.00	.....
Hillsborough	64.66	75.79	67.92	69.46	14	85	14	79.00	30	52	30	59.33	3.4
Hiram	63.26	73.42	65.00	67.29	13	85	13	78.33	24	*x* 54	23	58.00	4.2
Jefferson	39.29	52.71	38.90	43.63	12	66	12	52.00	2	*y* 34	17	*z* 38.00	9.9
Madison, [Atkins]	68.83	74.59	66.00	69.81	13	90	13	84.67	23	53	23	57 67	4.6
Madison, [Cunningham]	65.94	74.82	62.07	67.61	13	92	13	81.00	20	52	23	58.33	4.5
Medina	67.15	75.90	63.47	68.84	14	88	13	81 67	31	51	20	60.00	5.6
New Lisbon	68.83	88.03	68.64	75.17	....	95	14	86.00	....	56	24	64.00	2.8
Perrysburg (*aa*)	68.03	78.32	69.65	72.00	13	90	14	83.00	21	52	29	64.67	.....
Savannah	67.23	81.90	64.87	71.33	13	98	13	86.33	20	53	29	59.67	5.0
Sidney	68.29	77.19	66.03	70.50	13	89	13	*t* 81.00	29	52	29	58.67	6.0
Urbana	65.25	82.42	66.42	71.36	14	93	14	81.67	29	*u* 50	29	58.33	4.7
Welchfield	66.90	78.19	62.20	69.10	13	91	8	77.67	29	53	23	57.33	3.2
Windham	64.32	74.74	66.29	68.45	13	86	13	78.67	26	52	25	61.67	.....
MICHIGAN—													
Battle Creek	64.48	78.81	67.42	70.24	8	*bb* 90	13	84.00	20	53	29	61.33	3.8
Cooper	66.45	73.13	62.77	67.45	12	88	12	78.67	22	*x* 54	29	56.67	3.1

a Same temperature on the 17th.
b Same temperature on the 27th and 28th.
c Same temperature on the 23d.
d Same temperature on the 27th.
e Hours of observation not reported.
f Same temperature on the 19th.
g Same temperature on the 28th.
h Same temperature on the 3d.
i Same temperature on the 15th and 18th.
j Imperfect.
k Same temperature on the 18th.
l Same temperature on the 18th, 26th, and 27th.
m Observations taken at 9 a. m., noon, and 3 p. m.
n Same temperature on the 27th and 29th.
c Same temperature on the 6th, 9th, 27th, and 28th.
p Same temperature on the 14th, 15th, and 16th.
q Same temperature on the 15th and 16th.
r Observations taken at 5 a. m., 2 p. m., and 7 p. m.
s Observations taken at sunrise, 2 p. m., and 9 p. m.
t Same temperature on the 14th.
u Same temperature on the 30th.
v Same temperature on the 13th.
w Same temperature on the 31st.
x Same temperature on the 29th.
y Same temperature on the 17th, 19th, 21st, 22d, 23d, and 25th.
z Same temperature on the 19th and 25th.
aa Observations taken at 7 a. m., 1 p. m., and 9 p. m.
bb Same temperature on the 9th and 13th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	○	○	○	○		○		○		○		○	
Copper Falls Mines	59.24	67.56	58.45	61.75	6	84	6	73.00	29	47	28	50.50	4.3
Grand Rapids, [Streng]	63.35	78.19	64.00	68.51	3	*a* 92	13	83.00	20	48	16	58.67	4.6
Grand Rapids, [Currier]	52.90	75.97	64.32	64.40	8	92	13	81.33	20	50	20	58.67	4.1
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	5.1
New Buffalo (*b*)	------	------	------	------	----	------	----	------	----	------	----	------	5.1
Port Huron	64.67	73.77	65.03	67.82	13	92	13	81.33	29	50	29	57.33	4.3
INDIANA—													
Evansville	72.13	80.32	74.81	75.75	14	90	8	*c* 83.00	30	62	30	*d* 62.00	3.8
Logansport (*e*)	63.00	81.00	71.00	72.00	?	96	----	------	?	46	----	------	----
Michigan City	65.71	78.28	65.72	69.90	12	95	13	84.92	29	51	29	59.16	4.4
New Harmony	72.29	81.90	73.19	75.79	14	91	14	*f* 84.67	29	*g* 61	29	65.00	4.8
Richmond	65.97	79.04	68.24	71.08	14	87	14	80.67	30	51	30	59.00	4.6
ILLINOIS—													
Athens	67.87	84.00	68.90	73.59	15	98	13	83.67	29	*h* 56	29	63.67	4.2
Augusta	65.45	79.16	70.06	71.56	7	*c* 92	14	83.67	30	50	29	60.33	3.4
Batavia (*i*)	67.16	78.23	65.37	71.07	13	92	13	85.67	20	56	20	61.60	----
Brighton	81.19	87.94	82.71	83.95	2	*j* 99	13	94.00	30	70	21	*d* 72.00	2.7
Edgington	65.94	81.29	68.58	71.94	13	94	13	85.67	31	55	17	*k* 63.00	4.7
Fremont Centre	69.74	79.26	65.68	71.56	4	*j* 92	13	85.33	22	57	16	61.33	4.5
Manchester (*b*)	66.00	78.81	68.10	70.97	14	92	2	*l* 79.00	29	52	29	58.00	4.3
Marengo	66.58	79.81	60.84	69.08	14	94	14	85.00	20	52	16	*m* 62.00	6.3
Ottawa	65.13	77.35	67.63	70.04	12	*j* 91	13	82.67	31	52	20	60.67	5.1
Pekin	68.42	80.16	67.71	72.10	3	93	3	*j* 82.33	28	56	23	63.00	3.8
Peoria	68.07	83.25	71.49	74.27	13	*c* 95	13	85.62	30	50	29	63.87	4.5
Riley	63.84	76.56	63.10	67.83	13	*n* 88	13	81.33	29	53	29	55.33	3.8
Warsaw	68.74	81.39	70.03	73.39	1	95	13	84.33	29	54	17	*o* 61.33	4.6
West Salem	71.00	84.26	71.19	75.45	14	94	13	84.00	29	*h* 60	29	65.00	4.6
West Urbana	70.84	81.10	70.84	74.26	8	94	13	83.67	28	59	29	64.33	4.3
Winnebago	------	------	------	------	----	------	----	------	----	------	----	------	4.2
MISSOURI—													
Cape Girardeau (*p*)	68.11	81.10	73.11	74.58	15	89	16	81.25	29	57	29	64.62	6.2
Palmyra (*q*)	62.63	80.60	69.63	72.18	13	95	13	84.00	30	43	----	?	6.7
St Joseph (*r*)	66.00	81.33	69.31	73.08	13	95	13	83.25	29	49	29	60.19	6.5
St. Louis	72.84	82.11	73.90	76.28	14	98	12	86.00	29	59	29	65.83	4.0
Springfield (*s*)	64.58	79.08	68.97	70.88	16	88	16	79.00	30	46	----	?	7.8
WISCONSIN—													
Appleton	63.20	75.16	62.26	66.87	2	*t* 86	13	81.00	19	51	16	57.00	2.8
Bay City	60.32	69.16	60.32	63.27	2	88	2	74.67	19	50	19	50.67	2.4
Beloit	62.52	76.94	63.87	67.78	13	98	13	81.67	29	*h* 53	29	59.67	3.6
Janesville	65.77	77.19	65.26	69.41	12	*j* 92	13	83.00	28	55	16	61.33	4.9
Kenosha	65.23	72.68	64.97	67.63	13	90	13	83.67	29	53	29	58.83	3.4
Madison, [Sterling]	65.38	73.70	66.04	68.37	13	89	13	82.67	16	*u* 57	16	59.33	5.0
Manitowoc	63.03	72.87	62.84	66.25	13	94	13	83.00	20	*h* 54	29	58.67	5.0
Milwaukee, [Pomeroy]	65.52	71.84	64.42	67.26	12	*j* 90	13	84.00	16	50	16	55.33	5.3
Milwaukee, [Winkler]	63.84	75.58	63.03	67.48	13	93	13	82.33	29	53	29	59.67	3.6
New London	57.96	74.22	62.77	64.98	7	*j* 86	13	77.33	23	*h* 46	19	55.67	3.7
Platteville	66.65	81.07	69.42	72.38	13	99	13	86.33	30	54	29	61.67	4.3
Waukesha	62.61	75.71	63.81	67.38	13	90	13	81.00	19	51	16	59.33	4.4
IOWA—													
Bellevue	65.16	78.55	65.32	69.68	13	92	13	82.00	30	50	29	62.00	4.9
Border Plains	65.90	80.94	68.13	71.66	13	97	----	------	29	44	----	------	4.7
Dubuque	67.06	77.63	68.73	71.14	13	94	13	84.67	29	54	29	60.67	4.2

a Same temperature on the 12th and 13th.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Same temperature on the 14th.
d Same temperature on the 31st.
e Observations taken at sunrise, noon, and sunset.
f Same temperature on the 16th.
g Same temperature on the 30th and 31st.
h Same temperature on the 30th.
i Observations taken at 6 a. m., 9 a. m., 2 p. m., 6 p. m., and 9 p. m. Mean at 9 a. m., 72.83. Mean at 6 p. m., 71.76.
j Same temperature on the 13th.
k Same temperature on the 22d.
l Same temperature on the 3d, 12th, 13th, and 14th.
m Same temperature on the 17th and 20th.
n Same temperature on the 20th.
o Same temperature on the 29th.
p Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 76.02.
q Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 75.88.
r Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 75.69.
s Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
t Same temperature on the 9th and 13th.
u Same temperature on the 19th and 29th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
Iowa—Continued.	°	°	°	°		°		°		°		°	
Fairfield	70.00	79.90	68.48	72.79	7	94	13	84.00	29	56	17	*a* 61.00	4.8
Fort Madison (*b*)	66.84	80.51	71.16	72.84	7	94	13	84.00	29	52	29	61.33	3.5
Franklin	64.52	76.84	67.13	69.50	13	92	13	81.67	28	55	28	59.67	4.3
Iowa City	67.25	78.22	68.39	71.29	13	90	13	83.33	29	54	29	57.76	3.8
Muscatine	61.84	78.39	66.42	68.88	3	*c* 92	13	82.00	30	47	29	55.67	3.7
Pleasant Plain	67.97	80.42	67.03	71.81	7	94	12	*c* 84.67	29	52	29	58.33	3.8
Sioux City	67.13	79.22	66 35	70.90	13	95	12	85.33	29	50	29	57.67	2.9
Minnesota—													
Hazlewood (*d*)	62.90	72.95	63.43	66.43	12	89	11	83.00	28	50	28	55.67	3.5
Lapham	------	------	------	------	----	------	----	------	----	------	----	------	3.3
Princeton	65.81	77.81	64.10	69.24	2	93	2	82.00	29	51	29	55.00	3.4
Nebraska—													
Omaha	------	------	------	------	----	------	----	------	----	------	----	------	4.7
Kansas—													
Council City	70.35	85.29	67.90	74.51	9	100	6	85.67	28	53	24	62.67	3.6
Lawrence	71.10	84.47	75.81	77.13	7	98	13	88.00	29	54	28	63.33	2.7
Dacotah—													
Fort Union	59.60	78.50	64.40	67.50	1	98	1	92.70	28	*a* 45	15	52.70	2.5
Utah—													
Great Salt Lake City (*e*)	65.48	84.58	69.32	74.17	9	*f* 94	9	*g* 87.50	27	56	27	65.00	7.8
Oregon—													
Salem (*h*)	------	------	------	69.30	----	------	----	------	----	------	----	------	----
California—													
Sacramento	65.45	77.35	49.00	63.93	9	92	9	83.00	12	60	26	67.33	1.0
San Francisco	56.48	67.39	55.52	59.80	9	97	9	75.67	15	*i* 53	16	*j* 56.67	4.4
Mexico—													
Mirador (*k*)	76.77	85.25	77.11	79.71	----	------	----	83.14	----	------	----	77.29	----
Vera Cruz (*l*)	78.54	------	80.93	79.33	22	90½	----	------	29	73	----	------	----
Central America—													
Guatemala (*m*)	------	------	------	66.38	----	81	----	------	----	53½	----	------	----
West Indies—													
St. George's, Bermuda (*m*)	------	------	------	79.90	10	88	----	------	28	74	----	------	----
South America—													
Cathar'a Sophia, Surinam (*n*)	75.52	87.48	83.06	82.02	8	*o* 91	9	84.50	1	71	1	77.50	3.7
Azores—													
Horta, Fayal	69.87	74.29	68.45	70.87	12	*p* 80	13	76.00	25	62	25	64.00	5.3

a Same temperature on the 29th.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Same temperature on the 13th.
d For the last 21 days of the month only.
e Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 77.32.
f Same temperature on the 9th and 10th.
g Same temperature on the 10th.
h Hours of observation not reported.
i Same temperature on the 16th, 17th, 20th, 21st, and 22d.
j Same temperature on the 17th.
k Observations taken at 7 a. m., 2 p. m., and 8 p. m.
l Observations taken from 6 to 8 a. m. and from 9 to 11 p. m.
m Register thermometer.
n Observations taken at 6 a. m., 2 p. m., and 6 p. m.
o Same temperature on the 9th and 31st.
p Same temperature on the 14th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	63.06	.....	62.26	62.66	?	90	11	79.00	?	40	30	46.00	....
Montreal	56.03	64.22	58.23	59.49	4	*b* 81	3	83.00	29	40	29	42.67	5.5
Moose Factory	.....	.....	.....	46.10	....	.....	....	.....	....	.....	....	.....	....
Red River Settlement	50.71	63.78	.....	57.24	1	80	?	?	18	30	?	?	?
St. John's	51.30	55.63	50 53	52.52	3	78	3	69.33	22	38	19	44.67	....
St. Martin	50.99	66.70	54.49	57.39	4	91	4	74.30	18	33	18	38.00	4.3
Stanbridge	53.37	64.70	55.33	57.80	2	82	14	72.67	30	36	29	40.67	4.8
Toronto (*c*)	53.13	65.51	55.70	58.11	11	81	11	70.92	29	37	29	41.32	4.3
Windsor	52.90	66.53	56.12	58.52	4	82	4	71.67	30	38	30	44.67	5.3
Wolfville	55.16	66.18	56.33	59.22	3	83	4	74.00	30	41	30	43.33	3.4
MAINE—													
Cornish, [Guptill]	54.87	65.33	57.10	59.10	11	84	11	75.33	29	*d* 38	30	41.33	3.9
Cornish, [West]	52.67	65.00	53.96	57.21	11	83	11	72.67	30	32	30	41.00	3.3
Gardiner	53.67	68.59	56.37	59.54	2	86	5	73.67	30	37	30	44.00	4.7
Monson	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.0
Perry	51.87	62.43	52.67	55.66	3	80	3	72.33	30	35	30	39.67	3.8
Portland	55.45	65.67	57.20	59.44	11	87	14	74.57	30	35	30	43.33	3.8
Steuben	51.17	62.93	53.47	55.86	4	85	4	72.67	30	33	30	42.00	4.4
NEW HAMPSHIRE—													
Claremont (*e*)	50.25	59.96	56.58	55.60	13	87	15	74.00	30	31	30	40.00	4.5
Concord	52.77	68.97	55.50	59.08	3	*f* 86	11	74.00	30	32	30	40.00	3.9
Francestown, [Bixby]	56.03	65.92	57.80	59.92	3	*f* 82	11	74.00	30	36	30	42.00	4.2
Francestown, [Root]	53.85	66.28	56.81	58.98	11	83	11	74.67	30	35	30	41.16	4.7
Manchester (*g*)	53.67	69.00	58.62	60.43	5	86	5	74.67	30	34	30	42.33	3.8
North Barnstead	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
Shelburne	53.27	69.10	55.50	59.29	2	90	11	75.00	8	*d* 36	30	42.00	4.7
West Enfield	53.50	64.83	55.07	57.80	1	87	14	73.33	30	33	30	38.33	4.1
VERMONT—													
Brandon	51.83	64.29	55.28	57.13	2	81	14	72.67	30	34	29	41.50	4.5
Craftsbury	50.53	62.00	53.53	55.35	2	*h* 80	5	71.00	29	*d* 34	29	36.00	4.4
Rupert	56.47	70.73	62.00	63.07	2	*i* 90	2	*i* 76.00	30	28	30	43.00	5.7
St. Johnsbury	48.63	65.72	51.79	55.38	4	87	14	72 33	30	32	30	38.33	4.2
Shelburn	54.07	62.60	56.11	57.59	4	*b* 80	5	74.00	30	37	29	42.00	4.4
West Fairlee	51.60	66.00	56.27	57.96	11	85	11	72.33	30	32	30	41.00	....
MASSACHUSETTS—													
Amherst	53.56	68.19	57.74	59.83	11	86	11	74.33	30	32	30	41.33	4.3
Boston	56.93	70.52	60.80	62.75	11	86	....	.....	30	38½	....	.....	....
Cambridge	56.83	69.10	59.77	61.90	11	87	11	76.67	30	39	30	45.33	4.0
Florida	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
Lawrence	52.86	68.90	57.70	59.82	11	85	11	76.33	30	31	30	40.67	3.8
Mendon	55.77	68.33	58.50	60.87	11	86	11	75.67	30	32	1	42.00	3.6
Nantucket	62.49	68.62	60.83	63.98	4	80	4	72.07	30	49	30	51.83	3.7
New Bedford	58.40	67.60	58.00	61.33	4	78	14	71.00	30	38	30	44.33	4.9
Newburyport	57.74	69.68	59.97	62.46	11	91	11	76.70	30	37	30	44.30	6.3
Princeton	54.74	64.65	55.10	58.16	2	83	4	73.33	30	31	30	39.17	4.2
Richmond (*j*)	52.08	71.54	61.50	61.71	4	*f* 84	4	76.00	29	28	29	41.00	2.9
Westfield	52.93	68.53	57.50	59.65	11	87	11	76.00	30	34	30	41.33	4.6
Weymouth	59.30	.....	59.26	59.28	11	*k* 74	11	71.00	30	41	30	42.50	2.6
Williamstown	51.59	66.01	57.02	58.21	11	84	11	74.67	30	29	30	40.20	4.2
Worcester	56.20	66.86	58.41	60.49	11	85	11	75.00	30	37	30	42.33	4.6
RHODE ISLAND—													
Providence (*l*)	55.30	68.60	56.90	60.27	11	84	11	74.33	30	36	30	44.00	3.7
CONNECTICUT—													
Columbia	59.47	69.90	56.20	61.86	2	*m* 84	11	75.33	30	34	30	45.00	3.8
New London	57.20	71.23	58.90	62.44	2	83	5	72.00	19	*d* 44	19	49.67	3.8
Norwich	55.87	71.97	60.00	62.61	4	*k* 85	5	76.00	30	34	30	42.00	2.4

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 5th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature on the 30th.
e For the last 24 days of the month only.
f Same temperature on the 11th.
g Incomplete.
h Same temperature on the 4th.
i Same temperature on the 3d.
j Imperfect.
k Same temperature on the 14th.
l Observations taken at sunrise, 1 p. m., and 10 p. m.
m Same temperature on the 3d, 4th, and 11th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Pomfret	55.06	65.26	55.99	58.77	11	80	11	71.10	30	36	30	40.90	4.9
Saybrook	59.10	67.79	60.70	62.53	4	79	5	71.33	30	40	30	47.33	3.9
Wallingford	54.07	70.17	57.82	60.69	11	84	11	72.00	30	32	30	40.67	3.4
NEW YORK—													
Baldwinsville	54.67	64.33	59.60	59.53	11	80	11	75.00	30	40	29	45.00	3.6
Bellport	60.43	68.03	60.13	62.86	5	*a* 76	5	72.67	30	40	30	49.00	3.6
Blackwell's Island	62.90	70.07	66.13	66.37	5	81	5	76.67	30	45	30	50.67	5 0
Canton	55.78	69.30	56.72	60.60	3	*b* 88	10	74.67	29	36	30	44.33	4.5
Cazenovia	53.28	63.90	55.70	57.63	12	82	11	71.67	30	36	29	39.67	4.5
Clinton	55.83	72.87	58.80	62.50	11	92	11	80.33	7	*c* 39	30	43.33	5.3
Eden	58.43	69.10	60.27	62.60	13	85	13	75.67	30	38	30	42.33	4.6
Flatbush	58.90	70.40	60.40	63.23	11	82	5	73.00	30	41	30	47.20	4.2
Lowville	------	------	------	55.40	12	83	11	71.75	19	32	11	37.75	----
McGrawville	53.95	66.22	55.77	58.65	12	83	11	73.23	30	36	29	41.07	4.7
Morrisania	60.60	78.67	62.67	67.31	4	103	4	79.33	30	43	30	49.33	3.7
New York city	63.22	70.72	63.90	65.95	5	81	5	77.03	30	43	30	50 00	3.9
Nichols (*d*)	41.13	54.65	43.61	46.46	13	78	13	64.00	22	25	20	*e* 34.33	----
Oswego	57.67	67.10	59.97	61.58	5	85	5	74.67	30	41	19	*f* 47.00	5.2
Ovid	57.73	67.57	59.23	61.51	12	87	11	76.00	30	38	29	42.00	4.3
Penn Yan (*g*)	52.97	69.37	59.97	60.77	11	87	11	75.67	30	36	30	42.67	4.2
Rochester, [Harkness]	61.70	68.90	61.40	64 00	----	85	---	------	----	39	---	------	----
Rochester, [Palmer]	57.30	70 70	61.20	63.07	11	*h* 88	11	*h* 77.00	30	40	29	45.00	7.1
Sag Harbor	60.33	73.47	61.83	65.21	3	83	5	*b* 73.33	30	43	30	50.00	4.2
Saratoga	53.30	67.13	62.07	60.83	11	84	5	74.33	30	34	19	46.67	2.7
Spencertown	54.43	68.20	59.47	60.70	11	88	5	77.33	30	30	30	39.67	3.8
Townsendville	57.07	68.67	59.27	61.67	11	*i* 85	12	77.67	29	*j* 38	30	42.33	4.3
Wampsville	54.87	67.67	58.20	60.25	3	*k* 82	11	75.67	21	40	29	43.67	4.2
Waterford	56.93	69.81	60.96	62.57	11	86	14	75.00	30	37	30	44.33	3.9
Wellsville	55.00	68.00	55.90	59.63	11	90	11	75.33	30	34	30	39.33	5.2
NEW JERSEY—													
Bloomfield	59.57	73.83	60.62	64.67	9	88	5	75.50	30	42	30	49.33	3.2
Burlington	59.23	72.73	62.10	64.69	1	*l* 83	5	*m* 74 67	30	43	30	49.67	4.6
Freehold	58.57	71.70	60.75	63.67	5	83	5	74.67	30	40	----	?	----
Lambertville	57.93	75.45	60.23	64.54	5	90	5	76.40	30	34	30	46.27	5.2
Newark (*n*)	------	------	------	62.80	5	*o* 81	5	73.00	30	39	30	47.25	----
Sergeantsville	63.61	80.75	69.14	71.17	14	87	5	76.33	24	46	29	57.33	3.6
PENNSYLVANIA—													
Bedford	54.12	74.80	60.04	62.99	17	87	17	77.33	30	38	30	44.33	3.1
Cannonsburg	57.83	73.56	64.17	65.19	11	85	17	75.67	30	44	30	50.33	4.3
Chromedale	59.00	71.03	60.35	63.46	4	79	14	73.90	30	40	30	47.40	4.4
Easton	54.69	70.86	59.92	61.82	5	*k* 84	5	73.83	30	36	30	45.00	4.6
Fleming	55.63	72.00	58.10	61.91	10	*k* 83	12	72.00	24	*j* 40	30	45.33	3.0
Gettysburg	57.90	74.75	61.70	64.78	17	90	17	79.00	24	41	30	51.33	3.5
Harrisburg, [Heisely]	62.70	73.50	68.22	68.14	17	86	17	78.33	30	47	30	53.00	4.5
Harrisburg, [Hickok]	58.20	72.07	63.53	64.60	17	86	17	74.67	30	44	30	48.33	4.4
Lewisburg	55.19	72.46	61.04	62.10	11	88	5	74.53	30	40	30	44.27	4.8
Meadville	56.33	73.33	57.33	62.36	11	*i* 88	17	74.33	30	40	29	*j* 46.00	3.8
Morrisville	57.87	71.97	60.67	63.47	1	*l* 81	17	71.67	30	44	30	46.67	3.7
Mount Joy	69.03	76.37	65.48	67.29	16	90	13	77.83	25	41	30	53.33	3.0
Murrysville	56.57	72.20	59.03	62.60	17	85	17	75.33	30	41	30	46.33	4.0
Nazareth (*p*)	57.76	72.75	58.46	62.99	11	83	5	71.67	23	*q* 45	19	49.00	4.7
Norristown	57.30	70.50	60.60	62.80	5	80	17	73.50	30	42	30	47.30	3.3
North Whitehall (*r*)	54.33	70.53	63.23	62.70	2	*l* 82	5	74.00	30	35	30	45.67	5.6
Paradise	------	------	------	72.00	----	------	---	------	---	------	---	------	----
Philadelphia	64.58	75.47	67.47	69.17	5	85	5	78.33	30	46	30	53.33	5.5

a Same temperature on the 14th.
b Same temperature on the 4th.
c Same temperature on the 19th.
d Observations taken at 6 a. m., 1 p. m., and 9 p. m.
e Same temperature on the 21st.
f Same temperature on the 29th.
g Observations taken at sunrise, 2 p. m., and sunset.
h Same temperature on the 13th.
i Same temperature on the 12th.
j Same temperature on the 30th.
k Same temperature on the 11th.
l Same temperature on the 5th.
m Same temperature on the 17th.
n Observations taken at 7 a. m. and 6 p. m.
o Same temperature on the 10th.
p Incomplete.
q Same temperature on the 24th.
r Observations taken at sunrise, noon, and sunset.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Pittsburg, [Martin]	59.71	71.93	64.50	65.38	17	86	17	78.67	21	*a* 48	29	*b* 52.67	4 9
Pocopson	60.14	74.79	59.18	64.77	1	*c* 84	5	75.67	30	41	30	47.67	4.4
Shamokin	49.97	69.57	60.80	60.11	11	86	11	*d* 71.33	24	*b* 32	30	39.33	4.1
Tarentum	56.63	75.00	60.47	64.03	4	*e* 89	17	77.00	21	41	29	47.00	3.5
West Haverford	60.17	73.80	.....	66.98	5	85	5	78.50	30	42	30	51.00	4.1
Westtown	58.54	71.44	61.56	63.85	5	81	5	74.25	30	40	30	46.73	4.1
DELAWARE—													
Georgetown (*f*)	66.50	76.07	71.10	71.22	5	*g* 88	5	81.67	30	54	29	57.00	....
Newark	60.88	73.37	62.71	65.65	17	82	17	76.33	30	43	30	48.67	4.3
MARYLAND—													
Annapolis	62.80	73.88	69.60	68.76	17	89	17	80.16	30	43	30	52.50	3.5
Bladensburg (*h*)	60.85	78.53	62.36	67.25	18	89	18	79.67	30	43	....	?	4.5
Frederick	58.77	72.42	62.70	64.63	17	88	17	77.33	30	45	30	50.00	3.7
Sykesville	59.17	71.80	63.10	64.69	17	84	18	75.00	30	43	30	46.33	4.0
VIRGINIA—													
Alexandria	62.52	74.28	65.21	67.34	17	84	18	76.33	24	*b* 48	30	52.00	3.8
Ashland	59.20	77.63	62.63	66.49	17	89	18	78.00	30	40	30	49.00	3.0
Berryville	57.50	72.30	61.30	63.70	17	89	17	78.00	30	41	30	47.00	4.3
Crack Whip	53.70	68.86	54.90	59.15	17	83	17	71.67	30	34	30	41.00	4.3
Crichton's Store (*i*)	62.17	78.35	74.62	71.71	18	92	18	86.00	30	51	30	59.33	4.3
Kanawha	58.90	75.57	62.60	65.69	5	88	17	75.00	30	41	30	47.67	3.3
Lewisburg	53.20	71.47	56.50	60.39	17	82	17	70.33	30	33	30	41.00	2.5
Meadow Dale	50.33	69.23	61.50	60.35	10	*g* 78	17	69.33	30	31	30	41.67	....
Mossy Creek	57.36	76.33	57.40	63.70	5	*d* 88	14	76.33	30	34	30	46.67	3.3
Poplar Grove	59.00	77.50	63.37	66.62	11	90	17	77.67	30	40	30	48.33	3.5
Portsmouth	68.30	77.90	67.23	71.14	18	90	18	82.67	29	49	30	55.00	3.4
Rose Hill	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.6
Rougemont	65.80	77.39	65.33	69.50	17	90	17	80.00	30	48	30	52.67	4.3
Ruthven	65.32	76.80	65.00	69.04	18	90	4	76.00	30	45	30	51.33	3.7
Salem	66.77	74.23	67.83	69.61	17	*e* 86	17	81.67	30	42	30	53.67	3.9
Sistersville	59.24	75.77	61.33	65.45	17	89	17	76.00	30	41	30	48.67	2.4
Smithfield	65.00	75.40	69.10	69.83	18	89	18	79.67	30	47	30	56.10	5.5
Wirt Court-House (*j*)	55.09	68.73	58.46	60.76	18	90	17	78.00	30	35	30	45.67	4.2
NORTH CAROLINA—													
Ashville (*k*)	60.90	68.57	63.83	64.43	15	*l* 76	16	*m* 72.67	30	42	30	46.33	....
Chapel Hill	66.43	79.33	69.13	71.63	19	93	18	82.33	30	46	30	53.67	6.5
Gaston	64.70	79.07	66.20	69.99	5	*n* 90	18	79.33	30	42	30	48.00	....
Murfreesborough (*h*)	64.06	76.28	66.50	68.95	18	88	18	78.67	30	47	30	51.33	3.7
Warrenton	66.90	76.75	70.43	71.36	18	87	18	81.67	30	50	30	55.33	2.6
SOUTH CAROLINA—													
Aiken	69.48	81.17	74.73	75.13	13	*o* 90	18	*p* 84.00	30	53	30	59.00	....
All Saints	71.07	79.03	75.53	75.21	18	84	16	80.33	30	54	30	60.33	4.3
Camden	68.36	80.90	72.10	73.79	18	93	18	83.67	30	47	30	55.33	4.1
Charleston, [Dawson]	72.00	80.83	75.23	76.02	?	87	....	.....	?	57	....	.....	....
Charleston, [Johnson]	72.00	80.83	75.23	76.02	13	*q* 87	20	82.00	30	57	30	62.00	....
GEORGIA—													
Hillsborough	66.71	82.94	72.74	74.13	16	93	16	84.17	30	51	30	58.00	3.7
Savannah	70.90	82.70	75.20	76.27	20	92	15	82.57	30	57	30	62.17	6.7
Sparta	66.20	85.27	72.53	74.67	19	96	17	83.67	30	51	30	57.67	3.0
The Rock	64.80	83.17	74.60	74.19	15	93	15	*r* 83.00	23	*a* 52	30	62.00	2.7
Zebulon	69.20	80.28	75.45	74.98	15	90	16	84.33	30	49	30	58.33	4.0
FLORIDA—													
Alligator	74.67	84.80	77.20	78.89	15	*s* 92	16	86.00	30	64	30	68.33	3.7

a Same temperature on the 24th and 30th.
b Same temperature on the 30th.
c Same temperature on the 5th.
d Same temperature on the 12th.
e Same temperature on the 17th.
f Observations taken at 8 a. m., 1 p. m., and 6 p. m.
g Same temperature on the 11th and 17th.
h Imperfect.
i Observations taken at 7½ a. m., noon, and 6 p. m.
j Observations interrupted from the 9th to the 15th of the month, inclusive.
k Observations taken at 7 a. m., noon, and 9 p. m.
l Same temperature on the 16th, 17th, 18th, and 19th.
m Same temperature on the 17th, 18th, and 19th.
n Same temperature on the 6th and 18th.
Same temperature on the 14th, 15th, 16th, 18th, and 19th.
p Same temperature on the 19th.
q Same temperature on the 18th.
r Same temperature on the 16th.
s Same temperature on the 21st.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Atsena	77.45	83.10	79.53	80.03	3	*a* 88	3	*a*84.00	30	67	30	70.67	----
Belair	72.93	87.38	80.28	80.20	15	93	15	89.00	30	62	30	68.67	2.6
Gainesville (*b*)	72.53	84.03	76.50	77.69	15	90	15	83.33	30	63	30	67.00	2.3
Jacksonville	76.37	82.77	76.98	78.71	15	92	?	?	30	64	?	?	4.3
St. Augustine	80.10	82.90	79.27	80.76	14	93	13	*c*84.33	30	72	30	72.67	3.7
Salt Ponds	82.00	85.06	-------	83.53	15	*d*89	15	*d*85.50	30	77	30	78.00	4.5
Warrington	76.10	82.70	77.10	78.63	22	91	17	84.33	24	63	24	70.07	1.3
ALABAMA—													
Ashville (*e*)	------	-------	-------	67.46	----	------	18	78.00	----	------	29	*f* 50.00	----
Auburn	71.37	83.64	74.27	76.43	15	91	7	86.00	30	54	30	62.33	2.5
Carlowville	70.37	82.77	72.00	75.05	6	*c* 89	6	80.00	24	59	24	64.67	2.5
Greene Springs	65.35	82.00	69.90	72.42	16	*d*91	17	81.33	30	49	23	57.33	3.1
Greensborough (*g*)	62.26	80.40	68.33	70.33	19	89	17	80.33	30	47	----	?	2.0
MISSISSIPPI—													
Columbus	63.71	81.99	70.19	71.96	16	89	7	79.70	30	46	30	58.27	3.0
LOUISIANA—													
Black River	67.90	83.53	71.87	74.43	6	*h* 90	6	*i* 80.67	24	52	24	61.00	2.9
Trinity	73.07	88.20	76.43	79.23	6	*j* 94	6	86.00	24	*f* 58	23	*k* 68.33	3.0
TEXAS—													
Austin	71.10	83.50	75.30	76.63	3	*l* 94	3	85.00	23	58	23	66.67	4.2
New Braunfels	72.64	86.83	76.29	78.59	12	94	12	86.00	24	*m* 56	24	68.67	5.6
Union Hill	------	------	------	------	----	------	----	------	----	------	----	------	5.3
Washington	73.90	87.93	72.80	78.21	4	*n* 98	5	87.00	24	56	23	65.67	4.2
TENNESSEE—													
Glenwood	61.58	76.40	65.98	67.99	17	86	17	77.83	30	42	29	53.33	3.5
Memphis	67.33	79.53	70.53	72.46	17	*o* 87	17	81.33	30	55	22	62.00	4.0
KENTUCKY—													
Danville	67.07	81.19	67.74	71.97	17	*o* 89	17	79.00	24	50	22	*p* 60.33	2.6
Paris	58.69	75.50	63.23	65.81	18	87	17	76.67	30	37	30	48.67	3.1
Springdale (*q*)	55.68	81.30	71.35	69.69	17	93	17	80.00	30	32	29	52.07	3.8
OHIO—													
Bellefontaine	61.22	75.65	62.20	66.36	11	88	17	77.00	29	*f* 40	29	47.67	5.6
Bowling Green (*r*)	54.87	73.69	60.93	63.16	11	87	11	75.00	29	34	29	46.00	----
Cincinnati, [Harper]	63.73	79.77	71.23	71.58	12	91	17	83.67	30	45	29	53.67	3.4
Cleveland	59.83	73.00	62.20	65.00	12	89	17	79.67	29	44	29	48.00	4.4
Collingwood	62.40	72.03	62.07	65.83	2	88	2	*s* 74.67	29	35	29	41.67	----
Edinburg	60.01	73.23	60.90	64.71	11	*t* 86	11	77.00	29	42	30	43.00	3.4
Gallipolis	57.93	77.00	66.80	67.24	17	90	17	81.33	30	35	22	49.67	----
Hillsborough	58.31	71.43	63.57	64.44	17	82	17	73.67	29	*f* 41	29	48.33	2.9
Hiram	58.33	71.76	61.55	63.88	11	86	11	*u*77.00	30	40	29	46.33	4.8
Jefferson	41.87	49.87	40.90	-------	13	68	14	*v*50.00	19	*w* 34	1	38.00	7.8
Lancaster (*x*)	57.73	76.75	55.60	63.36	13	91	10	71.67	30	37	30	46.33	3.3
Madison, [Atkins]	63.90	73.30	60.97	66.06	11	92	11	81.67	30	42	30	50.00	3.6
Madison, [Cunningham]	59.60	71.56	56.70	62.62	12	88	12	76.00	30	40	29	*f* 48.67	3.6
Medina	60.93	73.15	63.83	65.97	12	*t* 87	11	79.67	30	39	30	45.00	6.0
New Lisbon	61.26	77.33	62.26	66.95	----	94	17	81.34	----	43	29	51.66	4.1
Perrysburg (*y*)	60.47	75.93	63.33	66.58	11	90	11	79.33	29	40	29	50.00	----
Savannah	58.60	79.27	60.37	66.08	13	95	13	81.00	30	37	30	45.67	4.3
Urbana	57.00	77.73	61.43	65.39	12	*d*91	17	77.00	30	34	29	44.67	3.9
Welchfield	58.13	73.60	59.36	63.70	12	91	12	77.67	30	39	29	43.33	2.5
Windham	56.57	74.03	61.00	63.87	12	87	17	77.33	21	45	23	*z* 51.33	----

a Same temperature on the 16th.
b Observations taken at 5½ a. m., 2 p. m., and 9 p. m.
c Same temperature on the 14th.
d Same temperature on the 17th.
e Hours of observation not reported.
f Same temperature on the 30th.
g For the last half of the month only.
h Same temperature on the 7th.
i Same temperature on the 7th, 14th, 15th, and 17th.
j Same temperature on the 7th, 15th, and 17th.
k Same temperature on the 24th and 30th.
l Same temperature on the 4th.
m Same temperature on the 25th.
n Same temperature on the 5th and 18th.
o Same temperature on the 18th.
p Same temperature on the 23d and 24th.
q Observations taken at 5½ a. m., 2 p. m., and 5½ p. m.
r Observations taken at sunrise, 2 p. m., and 9 p. m.
s Same temperature on the 13th.
t Same temperature on the 13th and 17th.
u Same temperature on the 12th.
v Same temperature on the 15th.
w Same temperature on the 21st.
x Imperfect.
y Observations taken at 7 a. m., 1 p. m., and 9 p. m.
z Same temperature on the 29th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—	°	°	°	°		°		°		°		°	
Battle Creek	58.50	71.93	61.03	63.82	10	89	10	78.33	30	41	29	46.00	3.0
Cooper	59.43	66.57	55.87	60.62	13	84	3	73.00	22	*a* 40	30	38.00	2.9
Grand Rapids, [Currier]	57.20	69.30	57.40	61.30	4	88	10	76.67	29	37	29	43.00	3.8
Grand Rapids, [Streng]	56.50	71.53	58.00	62.01	10	88	10	77.33	29	34	29	41.67	4.4
Marquette	54.91	64.98	56.21	58.70	3	86	3	75.26	28	38	18	45.20	4.4
Monroe	------	------	------	------	---	------	---	------	---	------	---	------	3.0
New Buffalo	------	------	------	------	---	------	---	------	---	------	---	------	5.0
Port Huron (*b*)	59.36	71.44	59.08	63.29	3	*c* 86	13	78.00	30	39	29	47.33	4.2
INDIANA—													
Evansville	65.40	76.83	70.30	70.84	17	88	17	81.33	29	50	23	*d* 58.00	3.8
Logansport (*e*)	59.00	74.00	65.00	66.00	?	87	---	------	?	39	---	------	---
Michigan City	61.66	75.93	61.38	66.32	10	94	10	80.83	29	37	29	51.67	3.8
New Albany	65.27	79.80	67.80	70.96	18	91	17	81.33	30	43	30	55.50	4.2
New Harmony	64.53	77.43	67.70	69.89	17	88	17	81.00	30	47	29	56.00	4.3
Richmond (*f*)	51.40	75.33	58.97	61.90	2	*g* 87	18	72.33	30	30	29	40.23	---
ILLINOIS—													
Athens	62.63	79.27	62.47	64.12	2	92	10	*h* 79.67	29	42	29	49.33	4.2
Augusta	60.17	74.86	64.67	66.57	9	*g* 88	11	78.33	29	41	29	51.33	3.8
Batavia	54.63	77.35	58.63	63.54	9	*i* 92	10	77.00	30	31	29	43.33	4.2
Brighton	66.23	76.87	73.17	72.09	13	89	13	84.67	23	35	24	59.67	2.4
Chicago (*j*)	56.10	71.83	63.93	63.95	10	87	10	77.67	30	37	29	48.00	---
Edgington	58.57	75.43	64.33	66.11	9	*k* 89	10	*l* 77.33	29	40	21	*m* 51.33	4.9
Fremont Centre	60.80	75.67	61.00	65.82	4	*g* 89	4	78.67	30	39	29	53.00	3.5
Manchester (*n*)	62.27	75.67	64.23	67.39	16	86	12	*h* 76.33	22	46	22	53.00	4.1
Marengo	60.53	73.13	59.20	64.29	10	88	10	80.00	29	36	29	45.33	4.5
Ottawa	58.67	68.37	63.11	63.38	10	86	10	77.67	29	35	29	45.00	4.9
Pekin	61.70	75.10	61.47	66.09	17	88	10	*h* 76.33	28	43	28	*d* 53.67	4.0
Peoria	62.76	76.82	66.93	68.84	10	90	10	80.75	29	45	29	53.75	4.4
Riley	58.72	70 83	57.91	62.49	9	*o* 85	10	76.00	23	37	22	47.00	3.3
Warsaw	62.97	77.30	65 23	68.50	10	91	10	79.33	22	48	21	52.33	4.4
West Salem	64.37	80.70	66.70	70.59	10	*h* 90	17	81.33	30	45	29	54.00	4.0
West Urbana	63.83	76.53	64.90	68.42	12	90	10	80.33	22	*p* 49	22	52.33	4.7
Winnebago	------	------	------	------	---	------	---	------	---	------	---	------	4.2
MISSOURI—													
Cape Girardeau (*q*)	62.92	76.62	67.45	69.46	16	*h* 86	16	79.00	30	44	29	56.25	6.1
Palmyra (*r*)	62.94	80.54	70.87	72.06	9	*g* 89	---	?	16	56	---	?	6.4
Springfield (*s*)	66.61	77.65	69.25	71.07	9	85	---	?	1	55	---	------	6.0
St. Joseph (*t*)	60.03	74.88	63.73	66.09	9	*g* 85	10	77.75	22	45	---	?	5.9
St. Louis	65.50	79.30	69.10	71.30	17	93	10	81.33	29	48	29	57.67	4.7
WISCONSIN—													
Appleton	57.03	69.97	58.90	61.97	10	89	10	79.33	29	*u* 42	28	47.00	3.9
Bay City	51.13	63.90	56.17	57.07	9	88	9	78.00	20	34	29	41.33	3.7
Beloit	55.83	71.90	59.40	62.38	10	*l* 86	10	76.00	30	33	29	46.00	3.7
Janesville	58.83	72.37	60.83	64.01	10	88	10	77.67	30	40	29	48.67	4.4
Kenosha	60.20	66.87	60.09	62.39	10	*v* 83	11	77.67	30	37	22	48.33	3.3
Lind	------	------	------	------	---	------	---	------	---	------	---	------	4.3
Madison, [Sterling]	58.83	69.68	61.30	63.27	9	*g* 84	10	76.67	29	41	29	48.33	4.7
Manitowoc	55.73	66.77	56.73	59.74	10	86	10	75.33	30	40	29	47.67	5.1
Milwaukee, [Lapham]	53.63	68.90	------	61.26	10	*w* 85	11	76.50	29	40	29	46.50	---
Milwaukee, [Pomeroy]	56.93	64.60	57.83	59.79	10	*l* 84	10	77.00	30	36	21	47.67	5.9
Milwaukee, [Winkler]	57.43	68.67	57.03	61.04	9	*g* 87	10	77.67	22	*u* 39	29	46.00	3.5
New London	53.60	69.30	57.60	60.17	10	86	10	*l* 76.33	30	37	22	46.90	3.3

a Same temperature on the 29th and 30th.
b Imperfect.
c Same temperature on the 11th, 12th, and 13th.
d Same temperature on the 29th.
e Observations taken at sunrise, noon, and sunset.
f Observations taken at sunrise, 2 p. m., and 9 p. m.
g Same temperature on the 10th.
h Same temperature on the 17th.
i Same temperature on the 10th and 11th.
j Observations taken at 6 a. m., noon, and sunset.
k Same temperature on the 10th and 12th.
l Same temperature on the 11th.
m Same temperature on the 22d.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Same temperature on the 10th and 14th.
p Same temperature on the 22d and 29th.
q Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 70.87.
Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 73.91.
Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 65.73.
u Same temperature on the 30th
v Same temperature on the 19th.
w Same temperature on the 27th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.	WARMEST DAY.			LOWEST DEG.	COLDEST DAY.			
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
WISCONSIN—Continued.	°	°	°	°		°		°		°		°	
Platteville	59.53	74.53	63.40	65.82	4	*a* 90	10	80.00	30	38	29	47.33	4.4
Waukesha	58.93	73.04	59.60	63.86	10	88	10	78.00	30	35	29	49.00	?
IOWA—													
Bellevue	57.60	75.03	60.50	64.38	10	87	10	*b*77.67	29	*c* 33	29	47.00	4.2
Border Plains	59.30	73.57	60.97	64.61	9	*d* 87	10	79.00	30	44	28	53.67	4.1
Dubuque	61.57	72.58	62.82	65.66	9	88	9	83.00	23	*e* 44	28	49.33	3.5
Fairfield	62.28	74.46	63.97	66.90	10	86	10	78.67	29	45	29	53.00	4.8
Fort Madison (*f*)	60.16	74.10	65.80	66.69	10	87	11	78.33	29	43	20	52.33	3.8
Franklin	57.73	71.90	61.27	63.63	1	88	10	78.33	30	40	28	49.33	4.6
Muscatine	56.73	72.50	61.50	63.58	9	88	11	76.67	30	36	21	48.00	3.9
Pleasant Plain	61.06	74.76	61.23	65.68	4	*g* 86	11	79.33	21	*h* 42	21	*i* 50.33	4.1
Sioux City (*j*)	63.83	71 93	61.50	65.75	2	89	10	78.33	18	*k* 48	18	50.83	6.6
MINNESOTA—													
Hazlewood	58.00	66.93	57.03	60.32	9	84	10	78.67	28	38	28	48.00	3.9
Princeton	55.50	68.17	55.77	59.81	9	90	9	81.33	29	36	29	41.33	3.9
NEBRASKA—													
Bellevue	72.20	81.57	72.03	75.27	13	96	13	86.33	23	*l* 60	23	64.67	1.7
Omaha	------	------	------	------	----	------	----	------	----	------	----	------	4.1
KANSAS—													
Lawrence	65.57	78.40	67.77	70.58	8	90	9	81.17	19	51	19	*m* 56.17	2.5
DACOTAH—													
Fort Union	47.09	68.00	54.40	56.80	7	86	7	70.00	18	30	18	41.00	6.8
UTAH—													
Great Salt Lake City (*n*)	55.97	74.07	62.93	64.72	8	90	8	79.25	18	42	16	53.24	9.3
OREGON—													
Salem (*o*)	------	------	------	65.23	----	------	----	------	----	------	----	------	----
CALIFORNIA—													
Sacramento	61.83	74.13	67.83	67.93	3	*p* 84	27	74.00	16	*q* 58	16	62.67	1.3
San Francisco	59.73	68.83	58.33	62.33	27	92	27	77.67	3	*r* 54	5	57.00	3.7
MEXICO—													
Mirador (*s*)	76.62	85.32	76.14	79.36	----	------	----	82.69	----	------	----	74.59	----
Vera Cruz (*t*)	77.93	------	81.12	79.52	4	93	----	------	27	73	----	------	----
CENTRAL AMERICA—													
Guatemala	------	------	------	66.13	----	78	----	------	----	54½	----	------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*u*)	75.37	88.70	84.03	82.70	24	92	24	*v*84.50	12	72	26	78.00	3.2
AZORES—													
Horta, Fayal	64.77	69.47	63.73	65.99	9	*w* 74	13	70.67	6	58	29	62.00	6.2

a Same temperature on the 9th.
b Same temperature on the 11th.
c Same temperature on the 30th.
d Same temperature on the 10th.
e Same temperature on the 22d and 28th.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Same temperature on the 9th, 10th, and 11th.
h Same temperature on the 29th.
i Same temperature on the 22d.
j For the first 20 days of the month only.
k Same temperature on the 19th and 20th.
l Same temperature on the 25th.
m Same temperature on the 21st.
n Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 65.90.
o Hours of observation not reported.
p Same temperature on the 27th.
q Same temperature on the 17th and 20th.
r Same temperature on the 5th and 30th.
s Observations taken at 7 a. m., 2 p. m., and 8 p. m.
t Observations taken at 6 to 8 a. m., and 9 to 11 p. m.
u Observations taken at 6 a. m., 2 p. m., and 6 p. m.
v Same temperature on the 27th.
w Same temperature on the 12th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	48.42	.....	49.20	48.81	?	74	12	59.50	?	31	20	36.00	....
Montreal	42.01	50.04	45.36	45.80	13	66	13	58.86	22	31	28	32.86	6.0
Moose Factory	.....	.....	.....	35.70	.....	.....	.....	.....	.....	.....	.....	.....	....
Red River Sett ement	39.48	51.71	.....	45.59	7	*b* 72	?	?	20	13	20	23.33	?
St. John's	44.87	48.77	43.71	45.78	17	68	17	66.00	23	*c* 34	23	37.67	....
St. Martin	38.03	52.58	41.87	44.16	11	69	10	58.60	22	24	28	31.40	5.2
Stanbridge	39.29	50.13	42.19	43.87	8	63	13	58.00	10	28	28	31.33	6.2
Toronto (*d*)	41.21	50.93	43.88	45.34	13	61	12	57.03	22	29	20	32.82	6.2
Windsor	44.82	55.87	47.63	49.44	14	75	17	67.70	24	25	24	31.30	6.9
Wolfville	46.85	56.17	48.98	50.67	16	74	16	69.67	23	27	23	34.50	5.5
MAINE—													
Cornish, [Guptill]	42.71	52.32	46.13	47.05	13	71	13	66.00	22	25	22	31.00	6.0
Cornish, [West]	40.00	51.38	43.77	45.05	13	71	13	62.33	22	20	22	27.67	5.0
Gardiner	42.65	54.58	46.53	47.92	13	70	14	61.67	23	24	22	33.00	5.8
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.2
Perry	41.74	51.61	45.26	46.20	8	62	16	54.57	23	28	22	30.33	4.9
Portland	44.77	54.98	47.55	49.10	13	68	13	63.50	22	28	22	34.50	5.8
Steuben	41.94	52.00	45.65	46.53	13	68	13	58.33	23	23	22	31.00	6.6
NEW HAMPSHIRE—													
Claremont	42.36	53.96	45.29	47.20	13	69	15	60.00	23	25	22	33.00	5.9
Concord	42.22	56.03	45.97	48.07	13	76	14	63.00	23	24	21	*e* 34.33	5.7
Francestown, [Bixby] (*f*)	44.24	51.68	45.97	47.30	13	72	13	63.00	23	29	22	34.00	7.2
Francestown, [Root]	42.78	53.45	44.38	46.87	13	72	13	62.83	23	27	22	33.83	5.9
Manchester (*g*)	41.94	53.42	46.24	47.20	2	61	15	*h*58.67	22	28	22	34.33	6.2
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.3
Shelburne	39.48	55.42	44.32	46.41	13	75	14	63.33	23	16	22	30.67	6.6
VERMONT—													
Brandon	40.55	50.37	43.18	44.70	13	65	13	58.67	22	24	22	30.67	6.9
Craftsbury	38.61	49.52	42.58	43.57	12	*i* 63	13	*h*57.00	28	26	21	*e* 29.00	6.3
Rupert	44.55	55.55	49.87	49.99	13	76	13	66.00	22	28	22	38.00	6.7
St. Johnsbury	38.52	52.03	45.26	45.27	15	68	15	60.33	23	23	21	32.33	6.4
Shelburn	41.62	48.35	43.24	44.40	12	64	13	60.00	22	27	28	32.00	5.4
West Fairlee	41.42	52.32	45.58	46.44	13	67	15	60.00	22	26	21	*e* 32.67	....
MASSACHUSETTS—													
Amherst	42.62	56.42	46.86	48.63	13	73	14	65.10	22	25	21	34.70	5.5
Bridgewater (*j*)	44.90	56.88	50.39	50.72	13	75	13	62.17	22	26	22	37.50	6.6
Cambridge	46.26	57.48	50.00	51.25	13	76	13	*k*65.00	22	*l* 31	21	*e* 37.33	5.5
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.2
Lawrence	42.71	54.56	47.61	48.29	14	68	2	56.67	23	25	22	34.33	4.9
Mendon	44.26	57.00	47.90	49.72	13	74	13	63.00	23	26	22	33.00	5.1
Nantucket	53.11	58.15	52.74	54.67	13	74	13	62.17	22	38	22	41.57	4.9
New Bedford	48.17	57.86	49.84	51.99	13	73	13	63.50	22	30	22	37.40	5.8
Newburyport	45.98	56.41	50.49	50.96	16	80	8	62.30	23	31	22	38.70	8.0
Princeton	43.70	51.47	45.64	46.94	13	70	13	62.00	21	26	21	31.00	5.7
Westfield	42.52	56.32	46.95	48.60	13	*k* 72	14	65.33	22	25	22	34.67	5.4
Weymouth	46.16	.....	49.90	48.03	13	66	13	62.00	22	30	21	32.00	4.0
Williamstown	41.32	51.86	44.75	45.98	13	70	13	61.33	22	27	22	32.67	6.0
Worcester	44.70	55.94	47.00	49.21	13	74	14	63.00	23	29	6	46.00	5.3
RHODE ISLAND—													
Providence (*m*)	45.20	57.90	48.40	50.50	13	72	16	*k*62.33	22	29	21	36.33	5.1
CONNECTICUT—													
Columbia	45.32	60.00	46.71	56.68	9	*n* 76	15	64.00	21	*e* 30	21	34.33	5.3
New London (*o*)	48.26	60.26	50.29	52.94	9	*n* 73	14	63.00	21	32	21	37.33	4.8
Norwich	44.52	60.32	50.84	51.89	13	76	14	66.00	22	26	22	35.00	4.7

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 8th and 9th.
c Same temperature on the 24th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 22d.
f Observations interrupted from the 7th to the 12th, and from the 18th to the 20th, inclusive.
g Incomplete.
h Same temperature on the 16th.
i Same temperature on the 15th.
j Observations taken at 7 a. m., 2 p. m., and 7 p. m.
k Same temperature on the 14th.
l Same temperature on the 23d.
m Observations taken at sunrise, 1 p. m., and 10 p. m.
n Same temperature on the 13th.
o Observations interrupted from the 10th to the 12th, inclusive.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Pomfret	44.33	54.73	47.54	48.87	13	71	16	63.30	22	27	21	33.30	5.4
Saybrook	49.81	57.81	51.48	53.03	9	69	14	63.00	21	*a* 32	21	37.00	5.1
Wallingford	44.11	57.89	48.87	50.29	9	72	14	63.83	23	27	21	36.50	5.0
NEW YORK—													
Baldwinsville	44.16	50.74	46.90	47.27	12	*b* 64	13	61.67	22	30	20	34.00	6.5
Bellport	49.84	56.77	50.45	52.35	9	70	15	64.00	22	35	6	*c* 38.00	4.8
Blackwell's Island	52.19	58.48	54.35	53.34	2	*d* 70	9	65.00	28	39	28	43.00	6.9
Canton	43.13	52.93	44.77	45.94	12	72	12	62.67	22	26	28	32.67	6.6
Cazenovia	40.90	48.11	42.55	43.85	12	64	13	58.67	22	23	20	29.33	7.2
Clinton	48.71	54.68	44.16	49.18	11	74	14	59.00	20	*a* 31	21	34.67	7.1
Eden	46.58	52.71	46.61	48.63	12	70	12	64.00	20	33	26	34.00	6.6
Flatbush	48.78	58.21	50.79	52.29	13	73	14	63.17	21	*a* 35	21	39.50	6.2
Lowville	------	------	------	43.40	13	64	13	58.00	22	23	21	29.50	----
Madrid	40.06	51.63	43.09	44.93	12	68	7	57.60	21	25	27	30.83	6.8
Morrisania	49.48	64.93	52.13	55.51	12	89	2	67.00	21	34	27	39.67	6.0
New York city	51.63	59.29	54.59	55.17	9	72	13	65.13	21	37	21	41.86	5.9
Nichols (*e*)	41.13	54.65	43.61	46.46	13	78	13	64.00	22	25	20	*c* 34.33	----
Oswego	44.03	52.13	46.87	47.68	12	71	12	62.00	22	29	20	34.00	6.8
Ovid	43.29	51.16	46.16	46.87	12	68	12	*f* 61.00	21	32	20	*g* 34.00	6.8
Penn Yan (*h*)	40.19	51.78	46.39	46.12	10	67	12	56.33	26	23	26	35.00	7.0
Pompey	41.60	47.23	42.74	43.86	12	64	13	58.67	20	25	20	27.00	6.8
Rochester, [Harkness]	45.08	52.01	46.90	48.27	----	73	----	------	----	31	----	------	----
Rochester, [Palmer]	44.35	52.50	47.45	48.10	12	72	12	62.10	22	30	21	35.33	8.6
Sag Harbor	50.45	61.58	52.00	54.68	14	76	14	64.33	21	36	21	40.67	5.2
Saratoga (*i*)	42.36	52.04	47.54	47.31	13	70	13	62.67	22	24	21	34.33	4.7
Spencertown	43.13	52.23	45.81	47.16	13	71	13	65.67	25	23	25	32.33	6.5
Townsendville	42.74	51.16	45.16	46.35	12	68	13	61.00	20	30	20	32.00	7.1
Wampsville	43.55	51.87	44.90	46.77	12	69	13	62.67	22	26	20	31.00	7.0
Waterford	44.60	54.31	47.34	48.75	13	73	13	64.00	23	31	21	36.67	6.3
Wellsville	41.52	52.65	44.42	46.20	13	75	13	65.00	22	29	20	32.00	7.1
NEW JERSEY—													
Bloomfield	48.39	60.90	51.65	53.65	8	81	13	64.00	22	33	21	38.33	4.9
Burlington	49.52	62.00	52.07	54.53	13	74	13	64.67	22	34	22	41.67	7.1
Lambertville	46.30	61.04	49.36	52.23	13	76.4	13	65.57	22	25.8	21	37.97	4.2
Newark (*j*)	------	------	------	52.59	9	70	14	61.88	22	33	21	39.25	----
Sergeantsville (*k*)	52.58	78.37	57.53	62.83	4	86	8	67.67	19	40	19	55.33	4 4
PENNSYLVANIA—													
Bedford (*l*)	46.05	61.24	52.33	53.21	13	77	14	69.33	22	22	21	36.67	6.3
Cannonsburg	46.39	54.76	50.65	50.60	12	71	12	*f* 62.33	21	32	20	37.33	8.0
Chromedale	48.31	59.10	50.14	52.52	13	72	14	64.90	22	28	22	37.40	6.1
Easton	45.00	56.80	48.93	50.24	14	73	14	65.67	22	31	21	37.67	6.1
Fleming	44.51	55.54	47.45	49.17	13	75	13	64.00	22	25	21	35.00	6.7
Gettysburg	47.03	61.61	51.10	53.25	14	87	14	72.67	22	25	21	37.00	5.8
Harrisburg, [Heisely]	51.58	59.68	55.65	55.64	14	74	14	70.33	22	36	21	42.33	5.2
Harrisburg, [Hickok]	48.65	58.52	51.97	53.05	14	73	14	68.17	22	33	21	40.50	4.7
Lewisburg	44.56	56.21	48.62	49.80	13	74	13	67.00	22	27	21	35.50	7.4
Meadville	44.10	55.74	45.65	48.50	10	72	12	61.33	20	*c* 30	20	33.00	6.6
Morrisville	47.81	58.94	50.74	52.50	8	*f* 72	8	62.67	22	33	21	38.67	4.7
Mount Joy	48.69	61.39	53.81	54.63	9	79	13	69.67	22	28	21	38.67	5.9
Murrysville	45.03	55.68	46.77	49.16	12	*f* 72	13	*m* 61.00	22	27	22	31.00	6.6
Nazareth (*n*)	44.92	55.35	45.87	48.71	6	*o* 67	15	61.67	22	33	21	37.33	7.2
Norristown	48.01	57.06	50.48	51.85	13	71	13	63.70	22	32	21	38.33	6.2
North Whitehall (*p*)	45.45	58.65	52.48	52.19	9	80	14	68.00	22	28	21	*a* 40.00	7.6
Paradise	------	------	------	57.00	----	------	----	------	----	------	----	------	----
Philadelphia	51.21	62.27	55.10	56.19	13	76	13	68.00	22	36	21	41.70	6.6

a Same temperature on the 22d.
b Same temperature on the 12th.
c Same temperature on the 21st.
d Same temperature on the 9th.
e Observations taken at 6 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 13th.
g Same temperature on the 28th.
h Observations taken at sunrise, 2 p. m., and sunset.
i For the last twenty-two days of the month only.
j Observations taken at 7 a. m. and 6 p. m.
k For the first nineteen days of the month only.
l Imperfect.
m Same temperature on the 14th.
n Incomplete.
o Same temperature on the 10th.
p Observations taken at sunrise, noon, and sunset.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Pittsburg, [Martin]	46.97	55.16	50.45	50.86	12	69	13	62.67	22	31	22	36.67	7.3
Pocopson	48.03	60.53	50.00	52.85	13	78	13	67.00	22	32	21	38.00	6.4
Shamokin	41.81	55.03	48.70	48.51	14	72	14	62.67	22	22	21	35.67	6.6
Tarentum	45.45	58.13	48.58	50.72	12	78	13	64.33	22	28	20	*a* 36.00	6.8
West Haverford (*b*)	48.19	60.22	-------	54.20	13	76	13	66.00	22	33	21	40.00	3.7
Westtown	51.75	62.61	53.96	56.11	13	73	15	63.00	1	39	26	48.67	5.8
DELAWARE—													
Georgetown (*c*)	53.68	62.68	58.00	58.12	13	83	13	74.33	22	36	21	42.67	----
Newark	49.60	62.05	51.84	54.50	13	77	13	66.67	22	33	21	39.67	6.0
MARYLAND—													
Annapolis	50.30	60.70	56.65	55.88	2	71	14	67.67	21	31	21	40.83	5.3
Bladensburg (*b*)	50.13	67.31	53.05	56.83	2	76	14	69.00	21	29	22	42.00	5.5
Frederick	47.89	59.03	51.05	52.66	14	73	14	67.17	21	34	21	40.00	6.0
Sykesville	46.74	57.16	49.97	51.29	9	*d* 72	14	66.33	22	26	21	35.67	4.7
DISTRICT OF COLUMBIA—													
Washington, [Smith Inst.]	49.69	60.87	53.23	54.60	9	72	14	66.67	22	33	21	40.33	5.4
VIRGINIA—													
Alexandria	51.13	62.26	53.87	55.75	14	74	14	69.00	22	32	21	41.67	4.4
Ashland	46.52	59.90	49.00	51.81	11	*e* 78	13	67.33	21	26	28	33.67	5.8
Berryville	47.57	58.24	52.08	52.63	14	72	14	66.67	31	31	21	38.20	5.0
Crack Whip (*f*)	44.06	56.55	48.67	49.76	13	*g* 69	14	62.00	21	22	21	28.33	5.9
Crichton's Store (*h*)	53.84	62.33	61.91	59.36	2	*i* 74	13	*j* 71.00	21	38	29	51.00	5.9
Lewisburg	41.26	56.35	45.06	47.56	12	*d* 72	12	62.67	21	21	21	33.33	5.9
Meadow Dale	39.35	53.81	47.74	46.97	14	74	14	64.00	22	22	20	34.00	----
Mossy Creek (*k*)	40.06	53.06	40.65	44.59	20	68	15	58.67	31	25	21	*l* 35.67	6.5
Portsmouth	54.80	65.39	55.80	58.66	2	*i* 76	13	70.67	30	36	21	44.67	4.1
Rose Hill	52.48	62.92	57.82	57.74	13	77	13	71.67	22	39	----	?	6.3
Rougemont (*m*)	52.29	64.95	55.70	57.65	13	*g* 74	13	68.67	20	32	21	38.00	5.8
Ruthven (*b*)	50.78	62.79	51.67	55.08	13	76	14	66.34	21	*n* 32	21	38.00	2.9
Salem	52.23	56.03	54.90	54.39	14	68	14	67.00	21	39	21	40.67	5.1
Sistersville	45.28	57.29	48.97	50.51	12	77	13	67.33	21	*n* 29	20	36.50	6.6
Smithfield	51.85	63.22	55.39	56.82	13	*j* 75	13	70.30	30	32	21	40.80	5.0
Winchester	48.65	61.42	51.77	50.61	14	76	14	68.00	22	31	20	42.67	5.0
Wirt Court-House	45.52	55.41	51.07	50.67	12	74	12	65.33	21	26	20	36.33	5.9
NORTH CAROLINA—													
Chapel Hill	49.81	64.00	54.42	56.08	2	*o* 77	13	*g* 67.00	21	*n* 35	21	42.33	8.0
Gaston	51.55	63.16	53.00	55.90	2	76	14	69.67	21	34	21	39.33	----
Murfreesborough	50.90	62.90	54.65	56.15	13	78	13	70.00	22	33	21	40.00	4.4
Warrenton	53.00	61.52	57.95	57.49	14	74	14	71.67	22	33	21	43.00	3.7
SOUTH CAROLINA—													
Aiken	54.30	69.89	61.41	61.87	14	78	14	73.00	21	40	21	46.67	----
All Saints	58.32	68.52	62.26	63.03	3	77	13	74.67	21	43	21	49.33	4.7
Camden	51.29	67.29	55.51	58.03	14	79	14	72.67	22	37	22	44.33	5.7
Charleston, [Dawson]	59.41	67.83	62.67	63.30	?	77	----	-------	?	46	----	-------	----
Charleston, [Johnson]	59.42	67.84	62.68	63.31	12	77	12	73.00	21	46	21	52.00	----
GEORGIA—													
Hillsborough	52.74	67.17	58.32	59.41	2	78	13	70.77	29	40	30	48.43	5.8
Savannah	57.75	68.74	62.46	62.65	3	80	13	72.40	27	45	21	52.47	5.9
Sparta	52.90	69.16	58.74	60.27	3	83	3	71.33	22	*p* 41	29	50.00	5.5
The Rock	53.58	67.97	60.94	60.83	2	81	1	74.00	29	*q* 40	30	*l* 49.00	4.6
Whitemarsh Island	58.27	67.97	61.83	62.69	3	77	2	*i* 71.67	30	45	21	*r* 52.00	5.1
Zebulon	57.06	66.77	66.34	63.49	2	*s* 78	3	71.33	30	45	30	51.00	6.1
FLORIDA—													
Alligator	59.87	74.00	64.90	66.26	19	83	3	76.00	31	38	30	53.33	5.2

a Same temperature on the 21st.
b Imperfect.
c Observations taken at 8 a. m., 1 p. m., and 6 p. m.
d Same temperature on the 13th and 14th.
e Same temperature on the 12th.
f For the first 21 days of the month only.
g Same temperature on the 14th.
h Observations taken at 8½ a. m., noon, and 6½ p. m.
i Same temperature on the 13th.
j Same temperature on the 15th.
k For the last 17 days of the month only.
l Same temperature on the 31st.
m Observations interrupted from the 23d to the 29th, inclusive.
n Same temperature on the 22d.
o Same temperature on the 19th.
p Same temperature on the 27th.
q Same temperature on the 30th and 31st.
r Same temperature on the 30th.
s Same temperature on the 3d.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Atsena	65.03	73.26	69.68	69.32	13	82	13	77.33	6	47	26	60.33	3.5
Belair	61.52	77.06	67.52	68.70	9	90	2	79.33	31	42	30	52.67	6.1
Gainesville (*a*)	61.06	73.68	65.42	66.72	2	82	13	*b*74.33	31	43	31	56.33	3.8
Jacksonville	64.21	72.29	64.35	66.95	2	*c* 81	15	77.33	31	42	30	54 67?	4.3
St Augustine	69.77	74.42	69.42	71.20	9	*d* 82	2	78.33	31	51	30	58.33	4.6
Salt Ponds	73.13	76.58	-------	74.85	7	83	7	79.00	26	*e* 68	26	*f* 69.00	3.8
Warrington	65.29	74.97	67.64	69.30	15	86	15	77.33	30	51	30	56.03	2.6
ALABAMA—													
Ashville (*g*)	-------	-------	-------	60.56	----	------	3	*h*57.00	----	-------	23	*i* 47.50	----
Auburn	54.81	67.97	60.10	60.96	3	79	13	70.33	29	40	30	48.67	5.4
Carlowville	54.26	72.94	57.71	61.64	13	81	5	72.00	27	42	27	46.33	3.4
Greene Springs	52.13	68.34	57.83	59.43	4	80	4	71.67	29	32	29	44.33	5.4
Greensborough (*j*)	53.12	67.25	58.64	59.67	4	80	4	72.33	17	39	30	49.67	7.2
MISSISSIPPI—													
Columbus	52.02	67.28	57.88	59.06	4	80	4	72.40	29	35	29	45.37	5.0
LOUISIANA—													
Black River	58.19	72.13	61.90	64.07	2	*k* 82	4	76.00	29	41	29	51.00	5.8
New Orleans (*l*)	70.65	74.45	74.77	73.29	2	*m* 84	11	82.67	29	57	29	61.00	----
TEXAS—													
Austin	62.30	74.02	62.29	66.20	3	89	3	81 91	17	45	16	57.50	6.0
New Braunfels	62.61	75.85	65.67	68.04	3	91	3	82.33	17	44	16	58.00	5.4
Union Hill	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	5.6
Washington	62.97	77.70	63.37	68.01	3	92	3	83.00	17	46	31	57.67	5.9
TENNESSEE—													
Glenwood	49.26	62.16	52.90	54.77	1	*n* 73	12	67.00	21	31	20	39.17	6.6
Memphis	54.00	66.10	57.23	59.11	10	*o* 79	11	71.00	29	36	20	45.00	5.5
KENTUCKY—													
Millersburg	49.29	60.48	54.26	54.68	10	*p* 74	13	67.33	21	30	20	40.00	6.2
Paris	44.90	58.27	49.55	50.91	10	73	12	65.00	21	25	20	36.00	5.9
Springdale (*q*)	44.44	63.45	57.08	54.99	11	80	5	68.00	21	22	20	39.00	6.2
OHIO—													
Belle Centre	43.58	55.78	45.57	48.31	11	70	12	63.00	21	24	20	31.00	4.9
Bellefontaine	45.48	60.90	47.06	51.15	11	73	12	65.00	21	26	20	34.67	7.1
Bowling Green (*r*)	43.23	56.61	48.10	49.31	10	72	12	64.00	28	26	20	*s* 34.00	----
Cincinnati, [Harper]	50.00	63.00	54.45	55.82	10	*o* 80	12	69.00	21	33	20	40.00	6.1
Cincinnati, [Hurtt]	47.42	62.23	50.90	53.52	11	85	11	68.67	21	29	21	36.33	5.1
Cleveland	45 39	56.29	48.85	50.18	10	74	12	63.33	22	32	20	36.50	6.8
Collingwood	47.35	55.23	47.33	49.97	5	*t* 68	12	64.00	21	28	26	34.67	----
Edinburg	45.06	56.65	45.61	49.11	12	74	12	63.00	27	26	20	34.00	6.9
Hillsborough	46.52	55.02	50.48	50.67	5	66	12	62.70	21	*s* 32	20	37.33	5.5
Hiram	44.80	54.35	47.30	48.82	10	70	4	58.33	20	30	20	32.33	7.5
Jefferson	34.19	37.81	33.74	35.25	2	*u* 40	5	38.67	17	22	17	25.33	8.5
Lancaster (*j*)	45.35	55.38	49.31	50.01	10	71	12	62.67	21	26	21	36.67	6.5
Madison, [Atkins]	46.16	54.94	48.58	49.89	12	70	12	64.33	27	28	21	35.00	6.8
Madison, [Cunningham]	45.71	53.90	46.03	48.55	12	70	13	58.67	27	29	20	*v* 36.33	3.9
Medina	45.27	53.84	47.84	48.98	4	*w* 70	12	62.00	28	28	20	30.00	6.9
New Lisbon	46.35	58.30	50.00	51.55	----	69	13	65.00	----	30	20	38.00	4.2
Perrysburg (*x*)	45.97	58.03	48.71	50.90	12	74	12	68.00	28	29	20	35.00	----
Ripley (*y*)	47.55	61.14	51.67	53.45	11	71?	11	61.67?	27	33	25	47.33?	6.9
Savannah	44.26	58.39	47.84	50.16	4	77	12	66.00	21	23	20	32.33	7.0
Urbana	42.94	59.23	47.84	50.00	10	*o* 74	12	64.00	21	22	20	33.67	5.7

a Observations taken at 6 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 14th.
c Same temperature on the 3d and 14th.
d Same temperature on the 15th.
e Same temperature on the 28th and 31st.
f Same temperature on the 31st.
g Hours of observation not reported.
h Same temperature on the 9th.
i Same temperature on the 30th.
j Imperfect.
k Same temperature on the 3d, 4th, 10th, and 11th.
l Observations taken at 9 a. m., noon, and 3 p. m.
m Same temperature on the 3d, 11th, and 19th.
n Same temperature on the 4th and 10th.
o Same temperature on the 11th.
p Same temperature on the 11th and 12th.
q Observations taken at 7 a. m., 2 p. m., and 5 p. m.
r Observations taken at sunrise, 2 p.m., and 9 p.m.
s Same temperature on the 27th.
t Same temperature on the 8th, 10th, 12th, and 13th.
u Same temperature on the 4th, 5th, 9th, 11th, 23d, 25th, and 30th.
v Same temperature on the 21st and 27th.
w Same temperature on the 10th.
x Observations taken at 7 a. m., 1 p. m , and 9 p. m.
y Observations at 2 p. m. often omitted.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
Ohio—Continued.	°	°	°	°		°		°		°		°	
Welchfield	43.97	55.77	44.94	48.23	9	71	12	60.33	27	28	20	32.67	6.1
Windham	44.97	55.29	47.71	49.32	7	*a* 70	13	60.67	22	26	20	33.00	....
Michigan—													
Battle Creek	41.00	56.65	45.13	47.59	11	71	11	61.00	20	*b* 26	20	30.33	4.6
Cooper	44.81	51 74	43.19	46.58	6	*c* 68	13	60.00	20	26	20	30.00	1.9
Grand Rapids, [Currier]	39.03	54.77	42.81	45.54	11	75	11	63.33	28	*d* 26	20	30.33	4.4
Grand Rapids, [Streng]	39.19	56.80	41.87	45.95	11	75	5	59.67	27	23	20	29.00	5.8
Marquette	41.55	51.25	42.52	45.11	7	72	8	62.00	21	25	19	29 67	4.1
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	4.7
New Buffalo	----	----	----	----	----	----	----	----	----	----	----	----	6.9
Port Huron	41.15	53.70	43.52	46.12	13	68	12	58.33	28	25	20	33.67	5.7
Indiana—													
Evansville	50.10	61.16	53.39	54.88	13	78	11	67.67	21	31	20	38.33	5.7
Logansport (*e*)	45.00	59.00	51.00	52.00	?	75	----	----	?	26	----	----	----
Michigan City	44.74	56.10	45.72	48.85	11	75	11	66.00	20	28	20	33.33	5.7
New Albany	47.10	60.90	49.16	52.39	11	77	1	65.50	21	24	21	36.33	6.0
New Harmony	40.45	62.33	52.26	51.68	11	76	11	67.67	21	29	20	37.33	5.3
Richmond (*f*)	42.65	56.21	46.94	48.60	11	*g* 70	12	64.00	21	26	20	36.20	5.8
Illinois—													
Athens	45.10	61.90	46.42	51.14	11	84	11	68.67	20	24	20	31.67	5.4
Augusta	43.52	58.06	49.23	50.27	10	75	1	64.00	20	24	20	33.67	5.0
Aurora	46.65	59.06	50.00	51.90	11	73	11	66.00	20	24	20	35.00	5.2
Batavia	40.42	58.88	41.53	46.94	9	*h* 84	11	66.67	20	19	20	30.33	5.4
Brighton	43.77	59.29	54.84	52.63	1	81	1	76.00	30	27	19	*i* 33.00	1.4
Chicago	43.06	56.23	48.68	49.32	5	78	5	66.00	20	22	20	31.33	....
Edgington	44.13	57.97	49.39	50.50	11	75	11	67.67	20	24	20	34.33	5.0
Fremont Centre	44.32	58.13	45.90	49.45	4	*h* 73	11	63.00	20	28	19	34.33	5.3
Manchester	44.94	60.87	48.84	51.55	1	*h* 78	10	*h* 65.00	20	24	20	33.00	4.9
Marengo	43.10	58.06	45.55	48.91	11	*j* 74	11	64.00	20	24	20	32.67	4.9
Ottawa	43.45	56.07	47.70	49.07	11	75	11	64.67	20	22	20	32.00	6.2
Pekin	43.71	60.58	47.65	50.65	11	78	11	65.00	20	23	20	34.00	4.5
Peoria	45.91	60.38	50.25	52.18	11	78	11	66.12	20	25	20	34.38	5.3
Riley	44.89	57.52	44.50	48.97	4	74	11	63.00	20	25	21	29.00	4.5
Warsaw	44.06	57.61	48.55	50.07	10	78	9	63.00?	20	27	20	37.00	5.2
West Salem	47.97	64.06	51.39	54.47	11	78	11	67.00	21	26	20	35.33	5.3
West Urbana	45.39	58.87	48.39	50.88	11	78	1	*k* 65.00	20	26	20	32.00	5.5
Winnebago	----	----	----	----	----	----	----	----	----	----	----	----	5.3
Missouri—													
Cape Girardeau (*l*)	48.81	62.26	53.08	54.60	10	75	2	65.25	29	30	20	38.75	5.3
St. Joseph (*m*)	45.02	58.52	48.45	50.38	1	74	7	*n* 63.75	20	24	20	34.25	4.5
St. Louis	48.74	62.21	52.85	54.60	1	81	1	71.00	20	30	20	37.33	5.2
Springfield (*o*)	46.81	60.44	53.45	53.57	1	76	....	?	20	28	....	?	5.6
Wisconsin—													
Appleton	41.11	53.95	43.94	46.33	11	71	11	59.00	31	24	19	*p* 33.00	4.6
Bay City	37.00	45.19	40.94	41.04	10	68	11	60.33	19	*q* 24	21	32.00	3.4
Beloit	41.61	55.74	44.67	47.34	11	75	11	61.67	20	23	20	31.00	4.2
Janesville	43.81	56.35	46.52	48.89	9	*n* 74	10	64.00	20	27	20	33.33	5.3
Kenosha	45.06	53.31	46.37	48.25	11	65	11	60.33	20	25	20	32.67	4.4
Lind	----	----	----	----	----	----	----	----	----	----	----	----	4.6
Madison, [Sterling]	42.74	51.48	46.03	46.75	11	72	11	60.67	19	*r* 27	19	32.00	5.7
Manitowoc	40.61	53.19	44.52	46.11	5	66	11	57.67	20	24	20	33.33	6.2
Menosha	40.58	55.42	45.26	47.09	8	79	11	63.67	20	24	20	31.00	4.0
Milwaukee, [Lapham]	40.32	53.07	-------	46.69	11	64	5	58.50	20	23	20	31.00	....
Milwaukee, [Pomeroy]	42.52	50.74	44.06	45.77	12	68	1	57.00	20	25	31	32.33	6.0

a Same temperature on the 9th.
b Same temperature on the 21st.
c Same temperature on the 8th.
d Same temperature on the 29th.
e Observations taken at sunrise, noon, and sunset.
f For the first 24 days of the month only.
g Same temperature on the 12th.
h Same temperature on the 11th.
i Same temperature on the 30th.
j Same temperature on the 13th.
k Same temperature on the 5th and 11th.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 54.24.
m Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 49.53.
n Same temperature on the 10th.
o Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
p Same temperature on the 29th, 30th, and 31st.
q Same temperature on the 20th and 21st.
r Same temperature on the 20th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Milwaukee, [Winkler]	43.13	54.23	43.06	46.81	6	69	5	59.67	20	24	20	29.67	5.2
New London	37.29	52.94	40.94	43.72	10	73	10	61.00	31	23	31	28.67	3.3
Platteville	44.80	57.48	49.61	50.63	?	75	....	.....	?	23	....	.....	5.5
Waukesha, [Bean]	43.06	54.77	44.97	47.60	11	71	11	63.00	20	24	20	31.33	5.6
IOWA—													
Pellevue	41.19	59.93	45.45	48.86	6	*a* 75	5	63.00	20	20	20	32.00	5.6
Border Plains	45.23	56.90	46.58	49.57	7	79	1	71.33	18	*b* 26	18	33.67	6.1
Dubuque	46.13	55.97	45.92	49.34	10	71	10	60.67	20	23	20	32.33	5.3
Fairfield	44.55	55.96	48.03	49.51	10	75	9	*c* 63.00	20	24	30	30.00	5.5
Fort Madison (*d*)	45.03	57.35	50.52	50.30	10	75	1	64.00	20	22	20	32.33	5.1
Franklin	44.26	56.74	46.33	49.11	10	75	10	66.33	19	24	19	32.67	5.7
Muscatine	41.35	55.58	46.42	47.78	8	74	5	61.67	20	22	20	32.00	4.0
Pleasant Plain	43.35	57.42	46.77	49.18	9	75	10	62.00	20	22	20	32.33	5.2
MINNESOTA—													
Hazlewood	42.19	55.50	44.32	47.34	10	73	9	66.00	19	24	19	27.67	4.9
Princeton	41 49	53.26	44.45	46.40	6	*e* 72	7	*f* 64.00	20	20	19	30.00	5.1
NEBRASKA—													
Bellevue, [Burt]	43.26	56.77	45.81	48.61	9	*a* 72	9	64.00	20	20	29	33.33	....
Bellevue, [Hamilton] (*g*)	45.92	54.87	47.06	49.28	9	74	9	64.67	27	*h* 30	27	33.00	4.9
Omaha	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.1
KANSAS—													
Lawrence	48.76	62.02	52.15	54.31	1	*i* 76	10	67.00	20	28	21	40.33	4.1
DACOTAH—													
Fort Union	34.20	58.00	43.80	45.30	5	*j* 76	7	64.00	19	90	19	27.3	1.1
UTAH—													
Great Salt Lake City (*k*)	44.48	63.48	50.48	53.01	3	86	1	*i* 72.25	27	28	27	41.75	7.1
MEXICO—													
Mirador (*l*)	74.59	82.55	75.01	77.38	....	.....	....	81.72	....	.....	....	71.50	....
CENTRAL AMERICA—													
Guatemala	.....	.....	.....	65.75	....	82	....	.....	....	54	....	.....	....
CALIFORNIA—													
Sacramento	55.20	67.77	61.52	61.50	16	79	16	68.00	19	49	25	56 00	2.1
San Francisco	57.45	68.19	59.13	61.59	14	*m* 85	15	73.67	23	*n* 52	24	55.67	3.4
SOUTH AMERICA—													
Catharina Sophia, Surinam (*o*)	75.94	89.06	84.29	84.43	5	92	18	85.33	9	71	22	80.33	3.4
AZORES—													
Horta, Fayal	61.00	64.48	60.71	62.06	8	71	10	68.67	26	*p* 54	27	56.33	6.4

a Same temperature on the 10th.
b Same temperature on the 20th and 30th.
c Same temperature on the 11th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Same temperature on the 9th.
f Same temperature on the 8th and 10th.
g Observations taken at 6 a. m., 2 p. m., and 9 p. m.
h Same temperature on the 28th and 29th.
i Same temperature on the 2d.
j Same temperature on the 7th.
k Observations taken at sunrise, 9 a. m., 3 and 9 p. m. Mean at 9 a. m., 53.58
l Observations taken at 7 a. m., 2 p. m., and 8 p. m.
m Same temperature on the 15th.
n Same temperature on the 24th.
o Observations taken at 8 a. m., 2 p. m., and 6 p. m.
p Same temperature on the 27th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	35.46	.....	36.60	36.03	?	67	8	56.00	?	3	25	10.00	....
Montreal	33.71	39.68	36.60	36.67	9	61	9	57.16	25	6	25	11.00	7.9
Moose Factory	.....	.....	.....	16.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
Red River Settlement	19.10	22.11	17.88	19.70	4	38	2	33.33	22	—15	22	— 5.67	?
Rigolet (*b*)	19.13	.....	23.13	21.13	24	39	24	36.00	30	— 2	30	3.00	....
St. John's	37.00	40.43	37.23	38.22	11	*c* 54	7	*d* 48.33	30	18	30	20.67	....
St. Martin	29.71	38.93	32.83	33.82	9	64	9	55.00	25	1	25	7.90	6.2
Stanbridge	32.73	39.53	35.37	35.88	9	69	9	61.33	25	3	25	7.33	7.5
Toronto (*e*)	31.20	36.99	32.82	33.67	6	58	6	49.92	25	— 2	25	11.00	6.7
Windsor	37.05	43.05	38.80	39.63	10	69	10	63.20	26	14	26	16.20	7.6
Wolfville	38.52	44.08	40.02	40.87	10	69	10	66.67	26	15	26	17.67	6.0
MAINE—													
Cornish, [Guptill]	33.33	40.40	35.67	36.47	10	61	6	52.00	25	*f* 10	25	13.67	6.0
Cornish, [West]	29.83	39.73	33.96	34.51	6	61	6	53.00	25	8	25	11.00	5.6
Gardiner	33.30	42.50	37.10	37.63	6	*g* 57	6	54.33	25	13	25	17.00	6.2
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.5
Perry	34.83	40.50	35.33	36.89	7	54	10	48.67	27	9	27	12.33	5.7
Portland	35.60	44.40	39.14	39.71	6	60	10	56.33	26	13	25	19.33	6.4
Steuben	33.30	42.00	36.47	37.26	10	56	10	52.00	26	9	26	14.67	6.5
NEW HAMPSHIRE—													
Claremont	31.97	41.97	35.63	36.52	7	68	6	58.67	25	12	25	13.67	6.0
Concord	34.69	47.11	39.77	40.52	6	67	6	57.67	21	17	21	26.67	6.2
Francestown, [Bixby]	33.80	43.39	37.37	38.19	6	64	6	59.67	25	13	25	15.33	5.4
Manchester	31.28	45.19	39.07	38.51	6	66	6	61.33	26	12	25	21.33	4.8
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.0
Shelburne	32.93	41.26	35.33	36.19	10	63	9	*g* 50.00	25	8	25	11.00	7.1
West Enfield	31.40	39.87	33.80	35 02	6	62	6	55.33	25	8	25	8.00	6.3
VERMONT—													
Brandon	32.87	41.78	35.92	36.86	9	68	10	63.00	25	10	25	11.83	6.6
Craftsbury	29.37	36.67	32.87	32.97	9	61	9	55.00	25	— 2	25	2.67	7.2
Norwich (*h*)	25.89	37.42	31.95	31.75	19	52	19	45.67	25	11	25	12.67	7.1
Rupert	35.63	45.93	42.00	41.19	9	72	9	68.67	24	7	25	12.67	8.0
St. Johnsbury	30.66	40.52	34.69	35.29	9	64	9	56.00	25	7	25	8.67	6.9
Shelburn	32.39	40.30	36.68	36.46	9	68	9	62.00	25	5	25	11.00	7.2
West Fairlee	30.77	39.90	35.36	35.34	7	61	7	52.67	26	9	9	10.67	....
MASSACHUSETTS—													
Amherst	32.47	45.69	38.54	38.90	9	67	6	60.80	26	13	25	16.90	5.0
Bridgewater (*i*)	38.46	48.95	43.80	43.74	9	70	9	61.33	15	20	25	25.33	4.8
Cambridge	37.03	47.27	40.57	41.62	9	72	6	63.33	25	*f* 14	25	18.33	5.3
Canton	33.17	46.00	37.90	39.02	9	67	6	58.67	25	*f* 13	25	17.00	5.3
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.9
Lawrence	34.73	46.53	38.96	40.07	7	70	6	61.67	26	13	25	18.33	4.8
Mendon	36.10	45.73	37.63	39.82	10	68	7	62.67	27	12	26	17.33	5.3
Nantucket	44.32	56.90	45.52	48.91	10	64	9	61.00	25	22	25	26.67	4.4
New Bedford	39.40	48.60	41.50	43.17	9	66	10	61.70	25	15	25	19.80	5.4
Newburyport	40.24	46.67	40.93	42.61	6	70	6	64.33	25	15	....	?	?
Princeton	32.49	41.43	35.75	36.56	6	64	6	59.00	25	10	25	12.33	5.3
Richmond	29.97	42.93	35.53	36.14	7	68	7	56.67	25	6	25	9.33	6.6
Westfield	32.27	45.40	37.60	38.42	6	67	6	61.67	26	12	25	15.67	5.1
Weymouth	39.27	.....	42.90	41.08	10	65	6	59.50	25	*f* 16	25	*f* 20.00	3.3
Williamstown	33.97	41.39	36.63	37.33	9	66	9	62.67	25	10	25	12.67	5.7
Worcester	36.33	46.70	40.89	41.31	9	68	6	62.33	25	*f* 15	25	19.00	5.5
RHODE ISLAND—													
Providence (*j*)	37.6	48.7	40.6	42.3	9	70	6	61.67	25	16	25	19.33	4.3
CONNECTICUT—													
Columbia	36.20	48.01	37.40	40.51	7	71	9	62.00	26	10	25	16.33	5.0
New London	38.67	47.93	41.27	42.62	7	66	7	59.67	25	15	25	20.33	4.6

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise and sunset.
c Same temperature on the 21st.
d Same temperature on the 11th and 23d.
e Observations taken at 6 a. m., 2 p. m., and 10 p. m.
f Same temperature on the 26th.
g Same temperature on the 10th.
h For the last 19 days of the month only.
i Observations taken at 7 a. m., 2 p. m., and 7 p. m.
j Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Norwich	35.29	48.80	41.50	41.86	9	71	9	65.00	26	8	25	18.67	3.6
Pomfret	34.67	45.45	37.87	39.33	9	66	9	59.60	26	12	25	14.20	5.1
Saybrook	38.80	46.47	41.80	42.36	9	62	9	59.33	21	15	25	19.67	4.8
Wallingford	33.80	48.20	33.30	38.43	9	68	6	59.83	27	9	26	16.67	4.1
NEW YORK—													
Baldwinsville	33.23	39.97	35.53	36.24	9	60	6	55.00	25	9	25	15.00	7.1
Beverly	36.62	45.68	39.57	40.62	9	68	9	64.33	25	13	25	16.67	5.2
Blackwell's Island	40.10	49.97	43.93	44.67	9	69	9	65.67	25	19	25	22.33	6.0
Canton	33.81	41.11	34.67	36.53	9	62	9	62.67	25	— 1	25	7.00	7.8
Cazenovia	32.33	35.36	33.30	33.66	9	70	8	60.33	25	5	25	10.67	7.3
Clinton	33.67	43.23	35.03	37.31	9	76	9	68.33	25	1	25	8.00	7.3
Eden	34.03	39.33	35.53	36.30	8	69	8	63.33	26	— 4	26	10.67	6.8
Fishkill Landing	36.03	46.27	40.90	41.07	9	70	9	64.67	25	*a* 16	25	18.67	4.9
Flatbush	37.80	47.90	40.60	42.10	9	67	9	62.00	26	19	25	20.90	4.3
Fort Edward	33.59	44.53	37.60	38.57	9	68	9	62.00	25	9	25	14.67	6.9
Logansport	30.00	41.00	35.00	35.00	?	65	----	-------	?	— 1	----	--------	----
Lowville	-------	-------	-------	35.00	9	70	9	59.25	25	4	24	35.00	----
Madrid	32.37	40.77	35.08	36.07	9	65	9	60.90	25	-------	24	20.67	7.0
Morrisania	37.63	52.10	40.00	43.24	9	79	9	66.33	25	15	25	17.33	4.3
New York city	39.49	50.06	44.38	44.64	9	69	9	64.33	25	19	25	21.50	4.4
Nichols	29.80	43.07	33.90	35.59	8	*b* 72	9	68.33	25	8	25	13.67	6.2
Oswego	33.77	41.93	36.47	37.39	6	62	8	57.00	25	11	25	17.00	8.0
Ovid	35.03	41.53	36.63	37.73	8	69	8	64.00	25	11	25	15.33	6.7
Penn Yan	33.80	43.53	37.17	38.17	9	69	8	60.33	25	9	25	15.00	7.0
Pompey	32.27	37.17	32.90	34.11	9	70	8	61.67	25	3	25	8.67	6.8
Rochester, [Harkness]	34.90	41.30	36.60	37.60	----	65	----	-------	----	11	----	--------	----
Rochester, [Palmer]	34.20	40.70	36.90	37.27	8	66	8	61.00	25	11	25	14.67	7.6
Sag Harbor	40.43	51.87	43.93	45.41	7	*b* 70	7	63.67	25	*a* 21	25	23.33	4.4
Saratoga	33.25	43.92	36.71	37.96	9	69	9	61.33	25	10	25	15.00	3.7
Spencertown	32.17	39.53	34.60	35.43	9	66	6	60.00	25	6	25	8.00	5.2
Townsendville	32.66	41.10	34.55	36.10	8	64	8	59.33	25	9	25	13.67	7.1
Wampsville	33.43	42.63	34.70	36.92	9	76	9	63.33	25	6	25	13.00	7.2
Waterford	34.03	46.38	37.28	39.29	9	70	9	65.00	25	11	25	17.33	6.0
Wellsville	32.47	42.73	36.23	37.14	8	69	8	64.00	27	10	20	18.33	7.2
NEW JERSEY—													
Bloomfield	36.32	48.95	38.82	41.36	9	73	9	66.83	26	15	25	19.83	3.7
Burlington	36.57	50.59	41.00	42.72	9	*c* 75	10	68.33	26	14	25	22.00	3.9
Freehold	37.10	51.96	41.19	43.42	8	77	9	67.33	26	11	25	21.33	----
Lambertville	33.84	50.92	38.92	41.23	9	75.5	9	69.07	26	10.2	25	19.77	5.3
Newark (*d*)	-------	-------	-------	41.71	9	73	9	64.88	26	16	25	22.00	----
Sergeantsville	34.73	54.97	40.67	43.46	9	89	9	76.67	26	12	25	*a* 23.00	4.1
PENNSYLVANIA—													
Bedford (*e*)	31.45	45.73	35.27	37.48	7	73	9	65.00	26	5	26	16.00	5.6
Cannonsburg	35.00	43.30	38.30	38.87	7	76	7	64.67	24	11	20	14.67	6.2
Chromedale	34.92	49.10	38.46	40.83	9	74	9	69.00	26	11	25	19.70	4.9
Easton	32.80	45.20	37.03	38.34	9	72	9	68.20	26	9	25	15.67	6.3
Fleming	30.33	42.96	34.53	35.94	9	72	9	64.00	26	5	25	14.33	4.9
Gettysburg	31.17	46.50	36.80	38.16	7	79	9	71.00	26	4	25	16.67	4.6
Harrisburg, [Heisely]	38.50	48.52	43.40	43.47	9	74	9	72.00	26	19	25	24.67	4.4
Harrisburg, [Hickok]	36.40	47.58	41.17	41.72	9	72	9	70.33	26	16	25	21.17	5.4
Lewisburg	31.11	44.46	35.94	37.17	9	71	9	67.13	26	8	25	16.13	5.9
Meadville	29.33	41.23	32.70	34.42	8	66	8	62.33	25	—10	25	4.67	6.6
Morrisville	35.63	50.90	40.43	42.32	9	73	9	67.00	26	14	25	21.00	3.1
Mount Joy	35.92	49.40	41.28	42.20	8	75	9	71.50	26	11	25	19.50	3.5
Murrysville	32.17	43.07	35.00	36.75	7	75	7	64.33	26	5	25	13.00	6.1
Nazareth	33.27	44.11	35.30	37.56	9	63	9	61.00	26	12	25	17.00	5.7
Norristown	36.03	48.13	39.70	41.29	9	74	9	65.70	26	14	25	19.70	4.2
North Whitehall (*f*)	34.23	46.63	43.00	41.29	9	75	9	71.00	21	*g* 15	25	18.33	3.6
Paradise	-------	-------	-------	34.00	----	-------	----	-------	----	-------	----	--------	----

a Same temperature on the 26th.
b Same temperature on the 9th.
c Same temperature on the 10th.
d Observations taken at 7 a. m. and 6 p. m.
e Imperfect.
f Observations taken at sunrise, noon, and sunset.
g Same temperature on the 25th and 27th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Philadelphia	40.38	52.53	44.67	45.86	9	77	9	72.33	26	20	25	24.33	4.8
Pittsburg, [Martin]	38.14	44.57	40.24	40.98	7	72	8	63.00	24	*a* 15	25	18.00	6.6
Pocopson	35.63	50.53	39.37	41.84	9	76	9	66.67	26	12	25	19.33	4.5
Shunokin	30.60	44.27	40.13	38.33	9	70	9	68.67	26	4	25	16.00	5.0
Tarentum	33.10	45.03	36.31	38.15	7	77	7	64.33	25	*b* 6	25	14.00	6.1
West Haverford	39.13	51.00	.....	45.06	9	76	9	72.00	26	18	25	22.00	3.8
Westtown	35.12	48 46	39.51	41.03	9	73	9	68.00	26	10	25	19.07	3.9
DELAWARE—													
Georgetown (*c*)	42.60	56.10	47.23	48.64	7	80	9	73.00	25	22	25	*b* 25.33	....
Newark	38.61	54.15	43.04	45.27	9	78	9	71.67	26	16	25	22.00	4.3
MARYLAND—													
Annapolis	37.50	50.70	45.90	44.70	9	71	9	67.16	26	15	26	25.67	3.8
Baltimore (*e*)	42.09	52.72	44.71	46.51	9	77	9	70.41	26	17	25	25.00	....
Frederick	35.33	47.27	38.86	40.49	9	73	9	70.50	26	14	25	22.00	4.4
Sykesville	32.13	49.27	38.27	39.89	8	*d* 75	9	69.33	26	5	26	17.67	3.7
DISTRICT OF COLUMBIA—													
Washington, [Smith. In.] (*c*)	33.22	52.16	41.57	42.32	8	76	....	?	26	15	....	?	3.4
VIRGINIA—													
Alexandria	38.57	54.00	43.93	45.50	9	79	9	73.67	26	15	25	24.00	3.8
Ashland	33.13	48.33	37.17	39.54	7	80	7	65.00	26	10	20	18.33	4.8
Berryville	35 30	49.00	40.20	41.50	9	76	9	68.70	26	11	26	20.60	4.6
Crichton's Store (*f*)	44.92	55.32	51.54	50.59	8	82	8	74.76	26	23	20	27.67	2.9
Lewisburg	31.53	45.77	35.47	37.59	7	74	8	64.00	20	*g* 10	20	15.00	5.5
Meadow Dale	34.43	45.23	40.30	39.99	7	72	8	64.33	20	*b* 6	20	10.00	....
Montross	39.60	55.57	44.63	46.60	10	79	9	*h* 72.33	27	14	27	22.00	3.2
Mossy Creek	32.56	52.60	34.06	39.74	7	80	8	68.67	26	4	20	16.33	4.5
Portsmouth	42.53	58.33	46.30	49.05	7	82	8	73.67	27	20	26	27.33	2.3
Rose Hill (*e*)	43.67	54.72	51.91	50.10	7	80	7	73.33	23	26	25	28.83	3.9
Rougemont	36.86	51.10	41.93	43 30	8	81	9	74.67	26	14	20	19.33	4.1
Ruthven (*i*)	31.21?	45.00?	32.75?	36.32?	....	?	....	?	....	?	....	?	?
Salem	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.6
Sistersville	33.02	45.39	37.93	38.78	7	79	7	65.50	26	12	20	17.62	5.3
Smithfield	39.60	59.50	47.20	48.77	7	81	7	72.30	27	16	26	28.50	3.7
Winchester	35.50	51.37	39.23	42.03	8	79	8	69.67	26	12	25	21.00	3.5
Wirt Court-House	32.47	45.30	37.63	38.47	7	76	7	*j* 63.67	26	9	20	17.00	5.7
NORTH CAROLINA—													
Chapel Hill	40.27	56.43	45.83	47.51	7	82	9	72.67	20	*k* 21	21	25.33	4.2
Davidson College	37.77	48.03	42.10	42.63	29	63	....	?	21	18	21	29.17	3.1
Gaston	41.87	58.90	42.77	47.85	8	81	8	76.67	26	21	20	26 67	....
Murfreesborough	41.33	57.57	47.00	48.63	7	81	9	73.00	26	*l* 22	26	28.67	2.1
Warrenton	43.26	56.20	49.26	49.57	7	*m* 79	8	*d* 75.00	26	*l* 22	20	28.00	3.6
SOUTH CAROLINA—													
Aiken	45.43	63.24	49.30	52.66	7	83	8	72.67	20	19	20	24.00	4.0
All Saints	50.47	60.36	53.27	54.70	8	80	8	74.67	21	30	20	33.00	3.9
Camden	41.90	62.36	48.03	50.76	6	90	8	77.33	21	17	20	25.33	4.1
Charleston, [Dawson]	53.46	62.40	57.70	57.85	?	77	....	.....	?	29	....	.....	....
Charleston, [Johnson]	53.47	62.40	57.73	57.87	8	*d* 77	8	*d* 74.00	20	29	20	34.33	....
GEORGIA—													
Hillsborough	44.37	58.07	48.99	50.48	7	80	7	71.77	20	19	20	24.20	4.7
Savannah	51.20	64.40	56.90	57.50	8	79	8	75.17	21	27	20	33.53	4.1
Sparta	45.47	61.00	51.00	52.49	7	84	7	*n* 74.00	20	20	20	25.67	4.5
The Rock	44.83	57.60	52.00	51.48	7	80	6	71.00	20	*o* 20	20	24.67	5.1
Whitemarsh Island	51.27	63.27	56.10	56.88	8	78	8	73.33	21	26	20	32.67	3.8
Zebulon	50.41	57.13	52.95	53.50	7	82	7	76.00	20	24	20	27.33	5.4
FLORIDA—													
Alligator	52.30	70.60	58.70	60.53	6	*p* 86	8	78.33	21	27	20	35.33	3.8

a Same temperature on the 25th.
b Same temperature on the 26th.
c Observations taken at 8 a. m., 1 p. m., and 6 p. m.
d Same temperature on the 9th.
e Imperfect.
f Observations taken at 9 a. m., noon, and 5 p. m.
g Same temperature on the 6th.
h Same temperature on the 10th.
i For the last 17 days of the month only.
j Same temperature on the 7th.
k Same temperature on the 22d and 26th.
l Same temperature on the 27th.
m Same temperature on the 8th and 9th.
n Same temperature on the 8th.
o Same temperature on the 21st.
p Same temperature on the 7th and 8th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
FLORIDA—Continued.	°	°	°	°		°		°		°		°	
Atsena	58.97	67.27	63.63	63.29	8	79	8	75.67	21	34	20	40.00	2.4
Belair	53.80	70.87	61.23	61.97	6	*a* 89	8	81.33	21	26	21	35.67	3.4
Gainesville	52.40	71.55	59.00	60.98	8	86	8	78.00	21	25	21	36.00	3.3
St. Augustine	63.10	69.70	64.43	65.74	9	83	8	78.90	21	39	21	44.67	3.8
Salt Ponds	72.17	77.17	-------	74.67	15	*b* 85	15	*c* 81.33	21	59	21	61.33	3.2
Warrington	56.43	67.13	58.53	60.70	7	82	7	79.00	21	32	21	36.67	3.1
ALABAMA—													
Ashville (*d*)	-------	-------	-------	46.27	----	------	7	71.00	---	-------	21	27.00	----
Auburn	48.03	58.20	51.62	52.62	7	82	7	74.67	20	23	20	28.00	4.6
Carlowville	48.07	58.63	50.50	52.40	6	*e* 78	6	75.67	20	26	20	27.67	5.3
Greene Springs	44.83	59.93	49.20	51.32	7	81	7	75.00	21	22	20	29.00	5.0
Greensborough	45.57	61.15	50.22	52.31	7	82	7	75.67	20	23	20	30.00	4.2
MISSISSIPPI—													
Columbus	44.10	57.00	49.01	50.04	6	80	7	75.33	21	23	20	29.37	4.6
LOUISIANA—													
Black River	47.37	64.77	53.77	55.30	6	85	6	79.33	20	*f* 24	20	33.67	4.5
TEXAS—													
Austin	50.18	64.96	55.16	56.77	5	84	6	77.68	9	33	15	42.83	4.9
New Braunfels	50.04	67.54	58.15	58.58	5	86	5	79.67	19	31	19	42.67	4.0
Washington	52.39	68.35	55.32	58.69	5	90	6	81.00	20	*f* 32	8	44.33	4.6
TENNESSEE—													
Glenwood	39.37	49.56	42.94	43.99	6	75	6	71.67	19	*g* 20	19	22.33	5.9
Memphis	42.13	52.97	46.70	47.27	6	80	6	74.33	20	24	20	29.00	4.5
KENTUCKY—													
Danville	39.10	52.60	43.37	45.02	7	77	7	74.33	19	16	19	20.67	4.4
Paris	34.90	45.59	38.83	39.77	7	74	7	68.33	26	14	20	19.00	6.0
Springdale (*h*)	34.15	48.03	43.10	41.76	7	73	7	67.33	26	10	20	19.00	5.7
OHIO—													
Belle Centre	30.90	42.06	35.30	36.09	9	68	9	61.67	25	—15	25	1.67	6.0
Bellefontaine	31.74	44.37	35.42	37.18	8	70	8	61.67	26	— 4	25	7.60	7.5
Bowling Green	29.83	42.13	35.47	35.81	8	70	8	62.00	25	— 8	25	5.33	----
Cincinnati, [Harper]	36.27	49.53	40.70	42.17	6	71	6	64.67	23	12	20	18.33	6.0
Cincinnati, [Hurtt]	33.20	46.43	37.00	38.88	5	76	5	62.00	24	*i* 10	25	16.00	5.2
Cleveland	31.90	41.20	35.10	36.07	8	69	8	61.33	26	— 4	24	*j* 12.33	7.0
Collingwood	30.60	40.03	33.43	34.69	8	68	8	60.00	25	— 6	26	4.00	----
Edinburg	29.00	41.70	33.07	34.59	8	67	8	62.67	26	—10	25	*i* 10.00	6.4
Gallipolis	34.60	47.13	40.67	40.60	7	80	7	70.00	26	11	20	27.00	----
Hillsborough, [Mathews]	33.53	41.57	37.33	37.48	7	69	7	63.80	24	9	20	*j* 13.30	5.5
Hiram	30.80	39.47	33.30	34.52	8	65	8	61.33	25	5	25	10.33	6.3
Jackson	32.53	44.62	38.30	38.48	7	76	7	68.00	26	10	25	20.33	5.2
Jefferson	18.60	28.73	20.73	22.69	7	40	7	34 00	28	6	28	8.00	10.0
Lancaster (*k*)	33.95	47.55	39.80	40.43	7	75	7	?	25	9	25	?	5.8
Madison, [Atkins]	32.63	39.80	35.40	35.94	8	66	8	62.33	24	6	24	14.33	6.0
Madison, [Cunningham]	32.50	39.85	33.54	35.30	8	65	8	61.67	26	3	26	14.33	7.0
Medina	32.07	41.67	34.38	36.04	8	66	8	63.33	26	— 7	24	10.33	6.5
New Lisbon	33.00	46.63	36.43	38.69	----	75	8	67.00	----	0	25	12.67	4.9
Oberlin	31.07	42.25	34.17	35.83	8	69	8	61.33	26	— 6	25	9.67	5.8
Perrysburg (*l*)	31.00	43.20	35.30	36.50	8	70	8	62.00	25	— 7	25	3.67	----
Ripley (*m*)	34.23	-------	38.83	-------	8	64	7	62.00?	26	13	25	16.00?	5.8
Savannah	28.30	41.93	33.53	34.59	9	69	9	64.67	27	—10	25	5.00	6.7
Urbana	29.00	43.60	33.50	35.37	8	70	8	61.67	26	—11	25	1.00	6.6
Welchfield	29.50	40.43	32.00	33.98	8	65	8	61.33	26	1	26	10.33	5.3
Windham	30.00	41.40	33.13	31.84	9	64	9	60.67	26	— 6	26	11.00	----
MICHIGAN—													
Battle Creek	25.30	39.70	31.73	32.24	5	62	5	55.33	25	—16	25	3.00	6.0
Cooper	32.37	37.13	31.73	33.74	6	62	5	*e* 53.33	25	7	23	18.00	5.2

a Same temperature on the 8th.
b Same temperature on the 16th.
c Same temperature on the 16th and 17th.
d Hours of observation not reported.
e Same temperature on the 6th.
f Same temperature on the 21st.
g Same temperature on the 24th.
h Observations taken at 7 a. m., 2 p. m., and 5 p. m.
i Same temperature on the 26th.
j Same temperature on the 25th.
k Imperfect.
l Observations taken at 7 a. m., 1 p. m., and 9 p. m.
m Observations rarely taken at 2 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	Mean temp.	Date.	Temp.	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Grand Rapids, [Currier]	28.73	35.28	31.63	31.88	5	60	5	53.33	25	—11	25	6.67	5.9
Grand Rapids, [Streng]	27.20	37.00	31.13	31.78	4	*a* 60	5	53.67	25	—13	25	5.33	7.2
Marquette	25.84	31.52	28.31	28.56	8	54	5	46.63	22	0	22	1.5	6.6
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	4.8
New Buffalo	------	------	------	------	----	------	----	------	----	------	----	------	7.9
Port Huron	28.18	37.73	29.98	31.96	8	67	8	59.33	25	— 3	25	7.67	6.6
INDIANA—													
Evansville	41.50	49.30	44.00	44.93	5	*b* 69	7	65.67	23	*c* 17	23	23.00	4.8
Logansport (*d*)	30.00	41.00	35.00	35.00	?	65	----	------	?	— 1	----	------	----
Michigan City	29.98	39.62	32.34	33.98	5	64	5	56.67	25	0	25	10.67	6.8
New Albany (*e*)	36.81	48.86	38.93	41.53	7	70	7	65.67	19	15	20	18.67	6.7
New Harmony	36.47	46.53	40.30	41.10	5	71	7	66.67	25	11	23	20.33	5.5
Richmond	31.53	42.68	36.58	36.93	5	65	5	61.67	26	— 6	25	10.80	6.3
ILLINOIS—													
Athens	28.33	42.30	33.40	34.68	5	67	5	58.67	25	— 7	23	5.00	6.3
Augusta	28.56	39.10	33.70	33.79	5	63	5	58.67	23	— 2	23	5.67	5.5
Aurora	28.47	39.13	32.07	33.22	4	62	5	54.33	23	0	23	8.00	6.0
Batavia	24.06	37.26	27.88	29.73	4	66	4	*a*52.00	25	—12	19	8.67	5.9
Brighton	26.67	37.60	30.43	31.57	6	59	6	45.33	23	1	23	5.33	3.2
Chicago (*f*)	26.10	34.63	32.31	31.01	5	61	5	56.67	23	— 3	23	1.33	----
Edgington	26.23	37.18	30.80	31.40	4	66	5	*a*59.00	26	— 7	23	6.00	5.9
Fremont Centre	26.26	36.07	28.50	30.28	1	*g* 54	4	47.33	23	0	23	5.67	6.0
Manchester (*h*)	29.03	43.27	32.27	34.86	4	65	4	57.33	23	1	23	6.00	5.5
Marengo	26.73	37.27	28.60	30.87	4	60	5	50.67	23	*i* — 4	23	4.00	5.8
Ottawa	26.67	37.10	31.82	31.86	4	60	5	54.67	25	— 4	23	3.67	6.3
Pekin	28.33	39.13	31.86	33.11	4	*a* 62	5	58.00	25	— 7	23	4.33	6.1
Peoria	29.28	40.96	35.33	35.19	4	63	5	58.00	25	— 2	23	5.41	5.9
Riley	22.35	35.33	26.32	28.00	4	60	4	*a*51.33	25	—17	25	0.33	5.1
Warsaw	30.60	40.83	36.13	35.85	5	61	5	57.33	23	2	23	10.00	5.5
West Salem	34.67	47.47	38.67	40.27	5	74	5	65.33	23	8	23	14.00	5.5
West Urbana	31.77	39.43	36.33	35.84	6	69	6	61.67	25	— 2	23	6.00	5.7
Winnebago	------	------	------	------	----	------	----	------	----	------	----	------	5.7
MISSOURI—													
Cape Girardeau (*j*)	37.38	48.43	42.72	42.13	5	73	7	68.25	19	18	19	20.37	5.0
St. Joseph (*k*)	30.17	40.72	33.38	34.35	4	62	4	56.25	23	4	23	14.37	4.4
St. Louis	33.80	44.80	38.60	39.07	5	67	5	60.17	23	11	23	13.50	6.0
Springfield (*l*)	32.45	46.48	43.74	40.89	6	77	6	66.00	19	*m* 14	----	?	3.7
WISCONSIN—													
Appleton	25.37	33.47	29.30	29.38	4	*n* 52	4	48.67	25	— 8	25	2.33	6.1
Bay City	21.07	28.67	23.00	24.25	1	46	4	*a*41.33	25	—11	22	5.67	5.9
Beloit	25.90	35.20	28.76	29.95	4	61	4	53.00	25	—20	25	— 2.00	3.8
Janesville	26.83	36.17	30.13	31.04	4	62	4	53.00	25	—10	25	1.33	6.8
Kenosha	27.44	36.62	31.30	31.79	5	61	5	54.33	23	— 1	23	5.00	5.1
Lind	------	------	------	------	----	------	----	------	----	------	----	------	5.9
Madison, [Sterling]	26.37	33.14	28.70	29.40	4	57	4	50.33	23	— 3	23	5.00	6.2
Manitowoc	28.17	38.00	32.63	32.93	5	58	5	52.00	23	— 2	23	8.00	5.9
Menasha	25.40	36.00	28.33	29.91	1	57	5	50.00	23	—10	23	2.33	6.4
Milwaukee, [Lapham]	23.07	34.37	------	28.72	5	54	5	?	23	— 1	23	?	----
Milwaukee, [Pomeroy]	26.67	33.50	27.93	29.37	8	54	5	48.33	25	— 4	24	8.00	7.4
Milwaukee, [Winkler]	26.18	34.20	28.33	29.57	8	57	5	50.33	23	— 3	23	4.00	5.1
New London	23.13	32.60	26.80	27.51	5	52	5	48.00	25	—11	25	1.00	5.0
Platteville	25.20	34.10	27.40	28.90	4	60	4	53.67	23	*i* —10	23	0.67	5.7
Waukesha, [Bean]	27.07	33.83	29.67	30.19	4	62	4	53.00	25	— 6	23	4.67	5.4
IOWA—													
Bellevue	24.83	35.40	29.63	29.95	4	60	4	*a*52.33	25	— 6	23	6.00	5.9
Border Plains	26.17	36.63	28.27	30.36	4	61	4	54.00	23	—10	23	9.33	5.6

a Same temperature on the 5th.
b Same temperature on the 6th.
c Same temperature on the 26th.
d Observations taken at sunrise, noon, and sunset.
e For the first 21 days of the month only.
f Observations taken at 6 a. m., noon, and sunset.
g Same temperature on the 4th.
h Observations taken at 7 a. m., 1 p. m., and 9 p. m.
i Same temperature on the 25th.
j Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 40.00.
k Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 33.14.
l Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
m Same temperature on the 23d.
n Same temperature on the 28th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
IOWA—Continued.	°	°	°	°		°		°		°		°	
Camanche (*a*)	33.13	39.94	33.00	35.36	4	60	5	57.33	19	3	19	7.67	----
Dubuque	25.97	34.30	27.73	29.33	4	62	5	51.33	25	— 5	23	6.33	6.0
Fairfield	27.60	37.76	30.27	31.88	4	59	5	54.67	23	— 5	23	7.33	5.8
Fort Madison (*b*)	27.07	37.30	33.56	32.64	4	60	5	55.67	19	— 7	23	6.33	6.2
Franklin	25.87	33.23	27.40	28.83	4	59	4	52.67	23	— 9	26	2.67	5.6
Iowa City	26.53	34.70	29.70	30.31	4	61	4	53.67	23	— 4	25	5.67	5.9
Muscatine	27.30	35.57	32.13	31.67	4	60	5	56.33	26	0	25	9.00	5.5
Pleasant Plain	26.40	36.80	29.16	30.79	4	60	5	54.67	23	— 7	23	5.67	5.7
Rossville	22.07	32.13	25.53	29.91	4	62	4	51.33	23	— 9	23	2.33	5.7
Sioux City	20.63	32.92	27.36	26.98	4	60	4	52.33	22	5	19	14.00	8.6
MINNESOTA—													
Hazlewood	23.77	32.63	26.80	27.73	4	55	4	44.67	23	— 1	22	4.00	5.3
Lapham (*c*)	18.70	27.13	21.39	22.41	8	50	27	39.33	23	— 4	21	3.33	----
Princeton	20.47	31.53	24.50	25.50	1	*d* 52	4	45.33	25	—10	22	2.33	5.5
NEBRASKA—													
Bellevue, [Hamilton]	27.72	37.50	30.90	32.04	3	61	4	52.67	23	6	23	*e* 17.33	4.8
Omaha	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	--------	5.0
KANSAS—													
Lawrence	31.12	43.80	36.30	37.07	4	60	4	56.50	23	11	19	21.00	4.7
Leavenworth City	29.27	39.70	32.74	33.90	3	62	3	?	23	6	23	16.00	5.2
DACOTAH—													
Fort Union	19.3	33.7	25.7	26.2	3	49	4	39.7	19	— 6	19	9.00	4.1
CALIFORNIA—													
Sacramento	48.50	58.03	53.20	53.24	5	65	5	62.67	15	38	14	46.33	4.4
San Francisco	52.70	61.33	55.07	56.37	8	70	8	*f* 62.00	13	46	11	*g* 51.33	4.0
MEXICO—													
Mirador (*h*)	69.50	80.48	71.73	73.90	----	------	----	86.58	----	-------	----	63.34	----
CENTRAL AMERICA—													
Guatemala	-------	-------	-------	64.62	----	80	----	-------	----	49½	----	--------	----
WEST INDIES—													
St. George's, Bermuda	-------	-------	-------	69.30	8	79	----	-------	28	57	----	--------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam	74.90	87.23	82.77	81.63	6	*i* 89	3	84.00	18	71	2	78.67	4.1

a Imperfect.
b Observations taken at 6 a. m., noon, and 7 p. m.
c For the last 23 days of the month only.
d Same temperature on the 4th.
e Same temperature on the 25th.
f Same temperature on the 9th.
g Same temperature on the 21st.
h Observations taken at 7 a. m., 2 p. m., and 8 p. m.
i Same temperature on the 7th, 8th, 11th, 15th, 19th, 28th, and 29th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date	Mean temp	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	32.81	.....	33.55	33.18	?	50	9	42.50	?	18	25	23.00	----
Montreal	23.09	27.13	24.93	25.02	1	*b* 43	1	40.45	27	— 2	27	2.63	7.6
Moose Factory	.....	.....	.....	3.40	.....	.....	.....	.....	.....	.....	.....	.....	----
Red River Settlement	8.62	15.77	9.17	11.18	21	35	?	?	25	—13	?	?	?
Rigolet (*c*)	4.94	.....	8.55	6.74	2	30	2	29.50	30	—16	30	—14.50	----
St. John's	31.52	32.87	30.68	31.69	23	*d* 46	24	44.67	19	19 *e*	18	21.33	----
St. Martin	18.44	29.68	21.16	23.09	1	46	1	40.40	27	—13	27	— 2.90	6.0
Stanbridge	22.16	27.61	23.77	24.51	1	*f* 41	1	39.33	27	—12	27	— 4.00	7.1
Toronto (*g*)	30.60	34.97	30.52	32.03	8	46	9	40.37	27	5.7	26	20.47	7.3
Windsor	25.66	31.10	28.95	28.57	18	51	18	42.80	27	5	27	7.33	7.5
Wolfville	25.72	30.88	28.47	28.35	18	53	18	43.77	27	2	27	6.33	5.8
MAINE—													
Cornish, [Guptill]	23.16	29.74	25.51	26.14	8	*h* 43	1	39.00	27	3	27	9.00	5.0
Cornish, [West]	21.55	28.41	23.58	24.51	14	44	22	38.33	25	0 *i*	27	4.67	5.1
Gardiner	19.03	30.37	25.10	24.83	3	45	18	38.33	27	4	27	7.33	5.9
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.1
Perry	24.74	30.94	26.52	27.40	1	46	18	42.33	27	0	27	5.67	6.5
Portland	27.58	33.12	29.52	30.07	18	47	18	43.50	27	11	27	13.33	5.9
Steuben	21.68	30.45	26.39	26.17	3	49	18	43.00	27	0	27	3.67	5.8
NEW HAMPSHIRE—													
Claremont	25.61	32.58	26.65	28.28	1	*j* 46	1	42.33	25	6 *i*	27	9.33	6.1
Concord	26.23	35.50	28.74	30.16	14	51	1	43.67	27	5	27	10.33	5.5
Francestown, [Bixby] (*k*)	26.98	33.42	29.73	29.46	1	*l* 47	1	41.67	27	4.5	27	7.83	5.4
Manchester	24.83	32.20	29.64	28.89	18	46	18	42.00	27	6	27	8.67	5.2
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.7
Shelburne	21.07	31.61	25.03	25.50	7	47	14	42.33	27	— 1	27	3.67	6.4
West Enfield	23.32	29.94	24.90	26.05	7	46	21	39.67	27	— 2	27	1.67	5.9
VERMONT—													
Brandon	24.63	31.91	26.56	27.70	1	*m* 45	18	42.33	25	1 *i*	27	7.33	6.9
Burlington	25.05	30.27	27.63	27.65	1	45	18	41.50	27	— 1	27	3.80	6.4
Craftsbury	19.39	26.48	22.32	22.73	1	*n* 40	18	37.00	27	— 8 *n*	27	— 1.00	7.0
Norwich	23.32	32.54	26.04	27.30	14	47	1	46.33	25	0	25	8.00	5.4
Rupert	26.71	34.84	32.45	31.33	1	48	1	44.00	25	8	26	14.16	6.8
St. Johnsbury	19.78	28.26	24.06	24.03	7	44	14	40.00	25	— 8	27	— 2.00	6.3
Shelburn	24.35	31.82	26.21	27.46	1	48	18	42.33	27	0	27	4.00	6.6
West Fairlee	26.84	31.84	28.04	28.91	14	45	18	38.67	27	1	27	6.67	----
MASSACHUSETTS—													
Amherst	28.52	36.13	30.22	31.62	8	52	18	43.70	27	2	27	7.30	5.6
Bridgewater (*o*)	30.87	39.19	34.42	33.83	1	54	1	48.73	27	9	27	13.67	5.5
Cambridge	29.65	38.23	32.39	33.42	18	56	18	49.00	27	6	27	10.67	5.2
Canton	27.45	37.65	30.36	31.82	18	52	18	46.67	27	— 5	27	— 2.67	5.6
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.6
Lawrence	27.29	36.67	30.74	31.57	8	*p* 52	18	47.33	27	7	27	11.00	5.5
Mendon	29.03	36.16	31.84	32.34	18	53	18	48.67	27	3	27	7.67	5.2
Nantucket	39.31	42.61	38.71	40.21	10	56	8	48.00	27	21	27	25.17	5.3
New Bedford	33.19	40.19	34.58	35.99	7	*b* 53	18	47.33	27	11	27	14.70	5.7
Newburyport	31.56	38.76	33.67	34.66	8	56	18	50.13	27	9	27	14.30	3.5
Princeton	27.62	32.26	28.65	29.51	18	48	8	43.33	27	4	27	8.33	5.7
Richmond	27.13	35.39	29.64	30.72	1	50	1	40.67	26	9	26	14.33	6.8
Westfield	27.52	36.78	30.61	31.64	8	55	18	44.00	27	— 2	27	6.67	5.7
Weymouth	32.16	.....	33.20	32.68	18	*q* 48	18	47.00	27	10	27	10.00	4.9
Williamstown	29.85	34.88	30.38	31.70	8	47	18	44.00	25	— 8.5	25	11.70	2.4
Worcester	30.58	38.07	31.89	33.51	8	54	8	45.67	27	5	27	11.67	6.1
RHODE ISLAND—													
Providence (*r*)	31.90	39.40	32.50	34.60	1	*b* 54	18	48.33	27	9	27	14.00	4.9

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 8th.
c Observations taken at sunrise and sunset.
d Same temperature on the 24th.
e Same temperature on the 21st.
f Same temperature on the 7th, 8th, and 9th.
g Observations taken at 6 a. m., 2 p. m., and 10 p. m.
h Same temperature on the 14th.
i Same temperature on the 27th.
j Same temperature on the 2d.
k Observations interrupted from the 18th to the 21st of the month, inclusive.
l Same temperature on the 15th.
m Same temperature on the 7th and 14th.
n Same temperature on the 2d and 7th.
o Observations taken at 7 a. m., 2 p. m., and 7 p. m.
p Same temperature on the 18th.
q Same temperature on the 19th.
r Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
CONNECTICUT—	°	°	°	°		°		°		°		°	
Columbia	30.00	37.45	30.19	32.55	18	53	18	48.33	27	— 1	27	9.00	5.4
New London	32.87	40.74	34.77	36.09	8	59	18	49.67	27	11	27	17.67	5.0
Norwich	30.35	40.20	34.23	34.93	8	54	18	50.33	27	0	27	8.67	4.5
Pomfret	29.14	37.28	26.90	31.11	8	51	18	46.50	27	8	25	15.80	6.0
Saybrook	34.00	39.45	34.52	35.99	1	*a* 50	1	46.00	27	13	27	16.67	5.1
Wallingford	30.40	40.50	31.74	34.21	18	58	18	52.00	28	— 0.5	28	8.00	4.8
NEW YORK—													
Baldwinsville	29.61	35.23	31.65	32.16	8	47	8	43.33	27	12	27	16.00	7.1
Bellport	35.15	41.23	36.18	37.52	7	*b* 52	18	50.00	27	12	27	19.50	4.9
Beverly	32.06	40.58	33.83	35.49	1	*a* 54	18	50.33	27	10	27	15.67	5.3
Canton	24.45	30.90	26.71	27.35	9	50	1	*c* 40.67	25	*d*—10	25	1.33	7.1
Cazenovia	28.03	32.13	28.90	29.69	18	47	9	41.67	25	*d* 7	25	10.33	7.6
Clinton	29.81	36.61	29.71	32.04	7	54	18	45.33	25	4	25	*d* 13.00	7.8
Covert	30.52	35.97	31.06	32.52	9	*a* 48	9	44.00	25	*e* 16	26	18.33	7.7
Eden	32.61	37.10	33.94	34.55	16	*b* 52	9	52.00	26	*d* 18	26	17.33	5.8
Fishkill Landing	32 03	40.32	33.29	35.21	18	54	18	49.67	27	10	27	16 00	5.1
Flatbush	34.70	41.50	35.50	37.23	18	57	18	52.70	26	*a* 17	26	19.00	6.5
Fort Edward	26.00	32.84	28.06	28.97	14	46	18	42.67	27	3	27	7.33	7.2
Logansport	32.00	42.00	34.00	36.00	?	60	----	-------	?	22	----	--------	---
Lowville	------	------	------	29.10	18	53	18	39.75	27	— 2	25	9.50	----
Madrid	22.76	27.46	25.25	25.16	8	44	14	39.33	25	—12	25	2.90	----
Morrisania	33.54	44.16	34.77	37.49	8	*f* 60	18	52.33	27	15	26	18.33	4.9
New York city	38.09	43.29	38.40	39.93	18	61	18	56.53	27	19	26	22.13	4.9
Nichols	28.68	38.32	29.61	32.20	8	56	8	45.67	21	*g* 12	26	17.00	7.3
Oswego	29.71	35.03	30.87	31.87	16	46	9	42.00	25	9	26	13.67	7.4
Ovid	31.84	36.35	33.33	33.84	9	52	9	45.33	25	13	25	16.00	7.0
Penn Yan (*h*)	30.81	38.68	33.84	34.44	9	54	9	49.00	27	16	25	19.33	6.5
Pompey	27.70	30.51	28.03	28.75	9	*i* 46	9	41.00	27	3	25	11.00	6.9
Rochester, [Harkness]	32.40	37.10	33.90	34.47	----	52	----	-------	----	18	----	--------	----
Rochester, [Palmer]	32.26	37.29	34.08	34.54	9	52	9	46.33	26	*d* 18	26	21.67	8.8
Sag Harbor (*j*)	36.92	44.36	37.12	39.47	18	65	18	55.00	27	18	27	20.00	5.9
Saratoga	27.35	35.58	28.42	30.45	7	56	1	*a* 43.33	27	8	27	12.67	5.6
Spencertown (*k*)	26.86	35.68	32.27	31.60	18	48	18	46.33	15	9	15	19.33	?
Wampsville	26.90	35.23	29 53	30.55	18	51	18	43.67	24	*l* 3	25	9.67	7.4
Waterford	28.61	36.76	30.29	31.89	14	54	18	44.16	25	*d* 11	26	13.67	6.4
Wellsville	30.03	39.84	32.74	34.20	9	*m* 54	9	49.33	12	*d* 12	12	20.00	7.9
NEW JERSEY—													
Bloomfield (*n*)	36.26	46.47	38.20	40.31	10	66	18	57.50	21	21	12	28.00	4.0
Burlington	34.84	42.90	36.65	38.13	9	61	18	52.67	27	17	26	21.33	5.1
Freehold	35.15	44.50	36.48	38.71	9	61	1	47.50	27	11	26	20.50	----
Lambertville	31.89	43.40	34.65	36 65	8	59.1	18	52.53	27	6	26	21.13	4.9
Newark (*o*)	------	------	------	24.84	18	57	18	50.50	27	11	27	20.13	----
Sergeantsville (*p*)	29.62	47.06	33.18	36.62	1	66	1	49.00	25	*i* 15	25	22.00	5.1
PENNSYLVANIA—													
Bedford	33.27	44.06	37.31	38.21	8	59	9	51.67	12	16	21	31.67	6.1
Berwick	32.94	41.77	35.39	36.70	8	59	8	*a* 50.67	13	17	27	25.00	4.8
Cannonsburg	34.45	41.48	28.06	34.66	9	58	9	54.00	13	*q* 26	26	30.00	6.8
Chromedale	34.44	43.40	35.65	37.83	9	62	9	54.50	27	13	12	24.50	5.2
Easton	31.32	40.00	32.58	34.63	8	*a* 54	18	51.00	27	7	26	17.17	5.8
Fleming	32.29	40.61	32.96	35.29	14	52	9	48.00	13	15	12	22.67	6.7
Gettysburg	32.26	41.48	34.16	35.97	9	55	9	50.33	13	16	12	24.33	5.2
Harrisburg, [Heisely]	37.06	42.97	39.42	39.82	18	54	18	51.00	13	*d* 26	26	*d* 30.00	5.7
Harrisburg, [Hickok]	35.34	42.42	37.65	38.47	18	55	18	51.17	13	22	27	27.83	6.1
Lewisburg	31.26	39.65	32.69	34.53	8	53	9	47.17	27	13	27	19.90	7.0
Meadville	30.74	39.10	32.65	34.16	14	55	9	48.67	12	14	25	25.67	6.8
Morrisville	33.81	43.52	35.26	37.53	18	57	18	49.33	27	14	27	22.00	4.5

a Same temperature on the 18th.
b Same temperature on the 9th.
c Same temperature on the 14th.
d Same temperature on the 27th.
e Same temperature on the 26th and 27th.
f Same temperature on the 14th and 18th.
g Same temperature on the 26th.
h Observations taken at sunrise, 2 p. m., and sunset.
i Same temperature on the 16th.
j Imperfect.
k For the first 22 days of the month only.
l Same temperature on the 24th and 26th.
m Same temperature on the 13th.
n For the first 23 days of the month only.
o Observations taken at 7 a. m. and 6 p. m.
p Observations interrupted from the 5th to the 19th of the month, inclusive.
q Same temperature on the 23d.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Mount Joy	33.92	43.68	36.95	38.18	8	60	9	52.00	27	14	27	23.00	4.6
Murrysville	31.03	40.68	34.29	35.33	9	61	9	55.67	12	*a* 17	12	23.67	7.0
Nazareth	31.60	39.67	31.71	34.33	18	53	18	47.00	27	11	27	19.33	5.9
Norristown	36.40	43.10	37.80	39.10	9	63	18	53.30	26	20	26	23 70	5.6
North Whitehall (*b*)	31.68	41.03	36.39	36.37	18	55	18	52.00	27	10	27	21 33	7.2
Paradise	------	------	------	30.00	---	------	---	------	---	------	---	------	----
Philadelphia	37.42	45.37	40.29	41.03	9	63	9	56.00	27	21	26	25.70	5.3
Pittsburg, [Martin]	34.87	40.26	37.68	37.60	9	61	9	56.67	12	24	27	30.67	6.8
Pocopson	33.10	44.40	35.68	37.73	9	*c* 60	18	53.00	27	9	27	21.00	5.6
Shamokin	31.61	39.39	35.32	35.44	8	59	18	53.00	13	*d* 12	27	19.67	6.2
Somerset	30.06	39.10	33.26	34.14	8	*e* 59	9	55.67	12	12	12	21.00	----
Tarentum	32.77	44.65	35.61	37.68	9	62	9	56.33	13	17	12	25.00	6.5
West Haverford	35.58	44.45	------	40.01	8	*c* 58	1	53.50	27	18	25	24.50	5.7
Westtown	33.21	42.75	35.60	37.19	9	62	9	53.83	27	10	27	21.33	5.3
DELAWARE—													
Georgetown (*f*)	39.77	49.97	44.58	44.77	9	68	9	58.33	13	23	27	31.67	----
Milford	40.80	49.63	43.00	41.48	1	75	1	64.67	26	23	25	30.00	3.9
Newark (*g*)	37.76	47.40	40.58	41.91	9	66	9	57.00	13	22	12	30.67	5.4
MARYLAND—													
Annapolis	36.70	47.40	42.50	42.20	18	60	9	56.00	27	20	27	30.33	5.3
Baltimore	38.36	45.74	40.39	41.50	9	62	9	57.33	27	24	25	*d* 30.00	6.5
Frederick	36.11	43.32	37.42	38.95	9	57	9	52.83	13	23	12	29.00	5.5
Oakland (*h*)	31.71	34.67	31.08	32.49	9	59	9	54.67	16	19	16	21.67	----
Sykesville	33.16	45.52	37.13	38.60	9	66	9	60.33	13	13	12	25.33	5.1
VIRGINIA—													
Alexandria	38.29	49.35	41.16	42.93	9	74	9	68 67	13	22	13	32.00	4.9
Ashland	34.25	48.58	38.25	40.36	9	64	9	57.33	27	16	27	30.67	4.8
Berryville	35.36	43.58	37.20	38.71	9	60	9	56.87	12	*a* 22	25	29.97	5.7
Crichton's Store (*i*)	43.00	51.76	52.08	48.95	9	74	7	63.00	27	30	21	39.00	5.2
Lewisburg	32.16	42.68	31.97	36.60	9	59	9	50.67	27	13	27	23.00	6.1
Meadow Dale	31.84	42.78	38.52	37.71	8	62	9	56.33	27	12	12	*d* 23.67	----
Montross	38.19	47.87	40.68	42.25	9	68	9	64 67	13	22	24	26.33	5.0
Mossy Creek	30.14	47.29	33.31	36.98	9	67	9	59.50	13	10	27	24.83	5.6
Poplar Grove	36.84	49.78	42.32	42.98	9	61	9	58.67	27	24	12	33.00	6 1
Portsmouth	42.52	55.74	44.52	47.59	9	76	9	69.33	14	*j* 30	27	36.67	3.5
Rose Hill	42.52	48.31	45.33	45.42	9	68	9	65.83	27	29	27	32.50	5.1
Rougemont	38.39	50.23	41.16	43.26	9	75	9	67.00	27	22	27	30.00	5.4
Ruthven (*g*)	38.22	48.94	41.52	42.89	9	69	9?	?	26	22	27?	?	3.1
Salem	------	------	------	------	---	------	---	------	---	------	---	------	5.3
Sistersville	33.84	44.16	37.10	38.37	9	61	9	56.00	27	21	11	*k* 32.17	6.2
Smithfield (*g*)	40.70	54.80	46.70	47.40	9	75	9	68.80	26	24	27	35.67	5.6
Winchester	36.19	46.45	38.42	40.35	8	64	9	56.67	12	24	12	30.67	4.8
Wirt Court-House	32.68	43.10	36.71	37.50	9	61	8	*e*56.33	27	18	27	28.00	5.5
NORTH CAROLINA—													
Ashville (*l*)	35.70	43.93	39.89	41.84	9	65	9	59.93	14	*m* 26	26	32.00	----
Chapel Hill	43.12	53.63	45.68	47.48	9	76	9	69.33	4	*k* 32	26	36.67	6.2
Davidson College	40.61	51.72	44.71	45.68	9	66	8	61.33	27	27	26	36.33	5.0
Gaston	39.00	51.97	41.52	44.16	9	70	9	64.67	27	25	27	31.33	----
Murfreesborough	42.58	53.63	46.42	47.54	9	76	9	69.33	14	*j* 30	27	35.00	4.1
SOUTH CAROLINA—													
Aiken (*n*)	44.50	61.41	47.77	51.23	9	74	9	68.33	23	31	25	40.33	3.8
All Saints	50.10	60.35	53.00	54.48	9	77	9	72.33	27	34	27	39.67	4.7
Camden	42.26	58.22	46.19	48.89	9	77	9	70.00	27	22	27	33.67	5.2
Charleston, [Dawson]	55.83	60.61	57.32	57.92	?	74	---	------	?	39	---	------	----
Charleston, [Johnson]	54.55	60.81	57.03	57.46	9	74	9	70.00	27	39	27	45.00	----

a Same temperature on the 13th.
b Observations taken at sunrise, noon, and sunset.
c Same temperature on the 18th.
d Same temperature on the 27th.
e Same temperature on the 9th.
f Observations taken at 8 a. m., 1 p. m., and 6 p. m.
g Imperfect.
h For the last 21 days of the month only.
i Imperfect. Observations taken at 9 a. m., noon, and 4½ p. m.
j Same temperature on the 26th and 27th.
k Same temperature on the 15th and 27th.
l Observations taken at 7 a. m., 1 p. m., and 9 p. m.
m Same temperature on the 26th.
n For the first 26 days of the month only.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
GEORGIA—	°	°	°	°		°		°		°		°	
Athens	40.60	54.84	47.18	47.54	7	68	9	63.33	27	27	27	36.83	4.6
Hillsborough (*a*)	43.90	59.70	51.70	51.77	8	74	8	68.53	27	31	11	42.50	5.4
Savannah	52.30	63.10	56.50	57.23	8	78	9	70.27	27	38	26	44.20	5.3
Sparta	44.84	59.16	49.52	51.17	8	77	8	70.67	27	30	27	39.67	4.7
The Rock	45.42	56.26	50.65	50.78	8	72	8	68.33	28	30	24	40.00	5.1
Whitemarsh Island	52.10	61.68	55.00	56.26	8	*b* 72	8	*c* 68.33	11	*d* 40	26	47.00	5.0
Zebulon	49.34	56.43	53.21	52.99	9	73	9	68.00	11	37	24	41.66	4.8
FLORIDA—													
Alligator	53.10	67.13	59.16	59.80	8	82	9	74.00	26	*e* 36	26	40.67	5.4
Atsena	58.19	65.39	62 61	62.06	1	76	9	72.33	11	43	26	49.67	4.0
Belair (*f*)	55.85	67.62	59.26	60.91	9	84	9	78.33	26	35	26	43.67	4.8
Gainesville	54.73	68.70	59.97	61.13	8	82	8	74.33	26	35	27	48.00	4.0
Hibernia (*g*)	54.74	66.13	57.54	59.47	9	80	30	70.33	27	36	23	47.67	....
Jacksonville	57.33	67.57	59.65	61.52	8	80	8	73.33	26	39	....	?	5.6
St. Augustine	63.58	68.96	63.45	65.33	9	*h* 81	9	75.67	11	*d* 50	23	53.67	5.0
Salt Ponds	72.52	77.39	.....	74.95	7	*i* 85	10	81.00	27	61	27	64.00	3.6
Warrington	52.74	66.48	53.23	57.48	21	78	8	70.33	23	40	13	49.33	2.6
ALABAMA—													
Ashville (*j*)	.....	.....	.....	45.70	....	.....	11	56.00	....	.....	30	38.50	....
Auburn	46.77	58.68	51.93	52.46	8	*c* 74	8	70.67	11	32	24	41.00	5.0
Carlowville	49.58	62.72	53.27	55.19	8	80	8	75.67	25	*k* 38	24	41.00	4.9
Greensborough	44.45	58.74	48.32	50.50	9	69	9	68.17	26	28	25	37.17	5.4
Greene Springs	44.10	58.37	48.06	50.18	8	68	8	66.33	11	*l* 31	10	40.33	4.1
MISSISSIPPI—													
Columbus	44.03	55.60	48.61	49.41	8	68	8	66.72	2	31	25	37.43	5.5
LOUISIANA—													
Black River	46.29	61.13	51.77	53.06	6	*m* 76	8	72.67	26	31	24	*n* 41.33	5.5
New Orleans (*o*)	54.94	62.03	62.55	59.84	7	84	7	*p* 80.67	31	42	25	46.00	....
TEXAS—													
Austin, [Jennings]	44.81	58.57	50.82	51.40	7	73	7	65.00	10	*q* 30	23	38.16	5.6
Austin, [Palm]	44.84	59.00	49.42	51.09	7	74	7	63.33	10	*q* 30	23	37.00	4.0
Goliad	52.10	63.45	56.68	57.41	7	77	7	73.16	25	32	25	43.16	5.6
Union Hill	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.6
Washington	47.70	60.33	49.45	52.49	7	80	7	71.33	25	31	25	41.00	5.6
TENNESSEE—													
Glenwood	39.53	51.10	43.60	44.74	8	69	8	64.80	1	28	26	35.93	6.3
Memphis	43.23	54.16	47.84	48.41	8	72	8	67.33	13	*r* 32	24	38.33	5.2
KENTUCKY—													
Danville	38.74	51.74	43.32	44.60	8	67	8	62.33	27	24	10	33.33	4.9
Millersburg	39.93	45.13	44.33	42.93	8	65	8	62.67	25	28	25	31.33	5.2
Paris	35.65	45.77	39.52	40.31	8	63	8	66.00	27	22	26	32.33	5.8
Springdale (*s*)	34.73	47.15	42.90	41.59	8	64	8	60.67	23	*e* 22	23	33.17	6.1
OHIO—													
Belle Centre	34.08	42.89	35.78	37.58	9	59	9	48.33	12	19	....	?	6.4
Bellefontaine	31.47	41.06	33.95	35.49	8	59	8	52.00	27	17	24	24.00	7.1
Bowling Green	31.81	40.81	35.06	35.89	15	55	6	44.33	12	*e* 23	12	28.67	....
Cincinnati, [Harper]	37.48	47.45	40.55	41.83	9	63	8	58.33	27	25	10	*t* 35 33	5.8
Cincinnati, [Huntt]	33.60	43.03	37.18	37.94	9	*u* 59	8	52.67	27	20	3	27.33	5.2
Cleveland	33.30	40.50	35.10	36.30	9	57	15	46.30	12	21	25	28.80	7.8
Collingwood	31.58	40.35	33.13	35.02	14	58	11	45.33	20	22	20	27.00	..
Edinburg	30.16	39.06	33.71	34.31	9	59	9	50.33	12	15	12	22.33	7.0
Gallipolis	34.42	45.74	33.03	37.73	9	62	6	56.67	27	19	12	28.67	....
Hillsborough	34.68	41.26	37.82	37.92	9	58	8	55.30	27	20	12	28.00	5.5

a Incomplete.
b Same temperature on the 9th and 29th.
c Same temperature on the 9th.
d Same temperature on the 26th.
e Same temperature on the 27th.
f Observations interrupted from the 3d to the 6th of the month, inclusive.
g For the last 24 days of the month only.
h Same temperature on the 30th.
i Same temperature on the 8th and 10th.
j Hours of observation not reported.
k Same temperature on the 26th, 27th, and 28th.
l Same temperature on the 12th and 27th.
m Same temperature on the 8th.
n Same temperature on the 25th.
o Observations taken at 9 a. m., noon, and 3 p. m.
p Same temperature on the 8th.
q Same temperature on the 11th.
r Same temperature on the 23d and 25th.
s Observations taken at 7 a. m., 2 p. m., and 5 p. m.
t Same temperature on the 12th, 22d, 23d, and 26th.
u Same temperature on the 8th and 30th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
Ohio—Continued.	°	°	°	°		°		°		°		°	
Hiram	32.74	39.23	35.42	35.80	9	60	8	45.00	13	24	25	27.33	7.6
Jackson	33.90	45.55	38.65	39.37	9	62	6	56.33	27	19	12	27.33	5.6
Jefferson	33.35	37.29	32.77	34.47	7	*a* 44	6	*b* 40.67	23	*c* 26	26	*d* 28.67	8.5
Lancaster (*e*)	32.79	45.16	-------	38.97	9	60	?	?	12	19	?	?	7.0
Madison, [Atkins]	32.94	38.55	34.06	35.18	15	53	6	*f* 43.33	12	20	12	25.67	7.3
Madison, [Cunningham]	32.26	39.90	33.42	35.19	9	56	9	47.00	4	18	12	24.33	7.9
Medina	33.81	40.16	36.47	36.81	6	*g* 59	6	52.00	20	22	26	27.00	6.7
Mount Union	33.29	-------	38.36	35.82	9	60	9	52.50	12	*h* 24	20	25.50	----
New Lisbon	35.93	46.83	39.48	40.75	9	67	9	59.67	12	*i* 20	11	34.00	4.9
Perrysburg (*j*)	34.10	43.00	35.45	37.52	15	64	14	48.33	11	21	27	31.67	----
Ripley (*k*)	35.31	?	39.10	-------	9	60	6	53.00	12	25	13	34.67	6.2
Savannah	30.87	39.06	34.00	34.64	9	*i* 58	9	48.00	12	*i* 18	12	23.67	7.6
Urbana	31.19	41.39	34.10	35.56	9	60	8	51.67	13	18	12	26.33	6.8
Welchfield	34.39	39.32	33.10	35.60	9	60	9	51.67	12	17	12	24.00	6.4
Windham	31.90	40.19	65.23	45.77	15	56	9	50.00	13	20	26	28.00	----
Michigan—													
Battle Creek	28.68	38.32	32.23	33.08	14	54	14	43.33	25	6	25	23.67	5.5
Cooper	32.65	38.16	34.90	35.24	17	50	17	44.33	25	20	25	27.33	2.3
Grand Rapids, [Currier]	29.67	35.55	29.70	31.64	15	48	14	?	12	7	12	21.33	6.5
Grand Rapids, [Streng]	25.96	37.19	29.58	30.91	16	51	14	42.00	12	*l* 6	12	21.00	6.6
Marquette	25.51	31.70	25.98	27.75	16	41	16	38.73	24	5	24	13.03	6.3
Monroe	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.5
New Buffalo (*j*)	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.9
Port Huron	25.96	36.12	29.16	30.41	14	50	15	40.67	12	12	26	22.00	7.2
Indiana—													
Evansville	39.50	48.80	41.27	43.19	8	66	8	61.67	23	*m* 28	23	32.00	3.6
Logansport (*n*)	32.00	42.00	34.00	36.00	?	60	----	-------	?	22	----	-------	----
Michigan City	29.02	39.55	32.76	30.44	15	57	15	47.16	22	15	11	24.33	5.9
New Harmony	36.30	46.61	39.65	40.85	8	63	8	58.33	3	26	26	32.67	5.4
Richmond	32.03	41.71	36.16	36.63	8	55	8	52.67	27	18	12	28.67	6.4
Illinois—													
Augusta	30.42	39.80	34.87	35.03	13	56	14	46.33	22	17	22	19.00	5.3
Aurora	29.35	41.48	32.71	34.51	1	54	8	43.33	22	16	22	24.67	6.4
Batavia	25.13	37.19	27.87	30.06	13	53	13	40.67	22	12	22	18.00	6.4
Brighton	25.81	40.45	35.10	33.79	31	61	31	48.00	6	16	3	22.00	2.3
Edgington	28.29	38.45	32.61	33.12	14	57	14	46.33	10	18	22	21.33	6.0
Fremont Centre	28.67	37.29	30.77	32.24	14	53	13	44.00	22	14	22	19.00	6.7
Manchester (*j*)	30.13	42.90	33.06	35.36	13	*o* 58	8	*p* 43.67	13	22	22	22.00	5.0
Marengo	28.39	38.55	30.77	32.57	1	*f* 54	1	*q* 44.00	25	10	22	20.00	5.4
Ottawa	28.10	38.06	32.87	33.01	13	54	13	46.00	22	17	22	21.33	6.5
Pekin	27.71	40.39	32.48	33.53	9	*r* 55	14	43.00	10	*s* 16	22	*c* 21.33	5.6
Peoria	30.75	40.23	34.73	35.24	13	54	14	45.50	22	18	22	23.00	5.6
Riley	25.32	36.07	28.47	29.95	13	52	8	38.67	25	7	24	19.33	4.7
South Pass	36.97	51.10	41.52	46.20	6	*t* 65	8	60.33	12	*u* 26	10	*v* 34.33	5.3
Warsaw	32.48	43.65	37.03	37.72	13	60	14	49.00	22	20	22	24.00	4.1
West Salem	34.81	47.35	39.23	40.46	8	68	8	61.33	22	23	22	28.67	5.6
West Urbana	30.77	39.45	33.65	34.62	14	53	8	48.67	25	16	22	24.33	5.7
Wheaton	27.80	36.80	30.30	31.63	14	51	6	42.43	22	14	22	20.03	6.9
Winnebago	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.0
Missouri—													
Cape Girardeau (*w*)	38.76	50.00	43.63	43.29	8	66	8	60.25	23	*x* 28	23	34.75	5.0
St. Joseph (*y*)	32.10	42.43	34.95	35.91	1	*r* 54	13	49.75	22	18	22?	?	5.0

a Same temperature on the 8th and 30th.
b Same temperature on the 7th and 30th.
c Same temperature on the 26th.
d Same temperature on the 27th.
e Incomplete.
f Same temperature on the 15th.
g Same temperature on the 9th.
h Same temperature on the 13th, 23d, 26th, and 27th.
i Same temperature on the 13th.
j Observations taken at 7 a. m., 1 p. m., and 9 p. m.
k Observations rarely taken at 2 p. m.
l Same temperature on the 29th.
m Same temperature on the 24th.
n Observations taken at sunrise, noon, and sunset.
o Same temperature on the 14th.
p Same temperature on the 16th.
q Same temperature on the 15th and 16th.
r Same temperature on the 13th and 14th.
s Same temperature on the 22d and 25th.
t Same temperature on the 8th.
u Same temperature on the 20th and 23d.
v Same temperature on the 23d.
w Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 40.76.
x Same temperature on the 25th.
y Observations taken at sunrise, 9 a. m , 3 p. m., and 9 p.m. Mean at 9 a. m., 34.18.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MISSOURI—Continued.	°	°	°	°		°		°		°		°	
St. Louis	35.40	45.90	40.30	40.53	13	59	8	50.83	22	24	22	26.17	5.2
Springfield (*a*)	34.39	45.88	40.05	40.11	7	*b* 58	17	53.00	22	*c* 24	24	29.33	3.4
WISCONSIN—													
Appleton	24.42	33.39	28.35	28.72	16	48	16	41.33	29	10	11	19.33	6.0
Bay City	20.26	28.35	21.81	23.47	13	*d* 38	16	34.67	18	5	24	10.67	6.4
Beloit	27.19	36.64	30.29	31.37	13	52	16	41.33	29	15	22	22.00	5.3
Janesville	28.16	37.77	31.65	32.53	14	56	14	43.00	29	10	19	21.67	6.7
Kenosha	29.32	37.67	32.90	33.30	13	52	16	43.00	22	*e* 17	22	22.50	5.0
Madison, [Sterling]	27.63	34.75	30.48	30.95	16	48	16	43.00	10	17	11	22.00	6.8
Manitowoc	28.68	38.45	32.48	33.20	13	51	16	45.33	26	*f* 16	26	20.67	7.0
Menasha	23.71	33.13	27.33	28.06	1	45	15	38.67	12	8	3	19.33	7.0
Milwaukee, [Lapham]									23	*e* 13			
Milwaukee, [Pomeroy]	28.32	36.16	29.72	31.40	13	50	13	42.00	29	14	26	20.67	7.1
Milwaukee, [Winkler]	27.10	35.26	29.76	30.71	13	50	13	40.67	29	15	19	21.67	5.0
New London	22.93	29.83	25.48	26.08	13	*g* 42	16	*h* 37.33	12	— 4	12	17.00	6.4
Platteville	26.42	36.26	30.16	30.95	14	50	16	44.33	10	14	26	20.00	6.0
Racine	29.81	36.33	32.31	32.82	14	49	14	40.33	22	18	22	20.83	6.4
St. Croix	20.60	31.60	23.70	25.30	13	52	16	37.67	22	— 1	24	*i* 17.00	7.3
Waukesha	27.19	35.56	30.37	31.04	7	*g* 49	16	42.67	29	15	10	22.33	8.1
IOWA—													
Bellevue	25.74	36.45	29.58	30.59	13	52	15	*h* 41.00	29	12	26	20.00	6.0
Border Plains	25.58	36.61	28.77	30.32	14	*g* 52	16	45 00	10	7	10	15.67	5.5
Camanche	29.35	37.42	31.03	32.60	14	54	16	45.33	26	*i* 16	22	*j* 21.33	7.3
Dubuque	27.01	35.65	31.29	31.32	13	50	13	42.67	31	15	11	*j* 21.67	5.8
Fairfield	28.00	39.87	33.33	33.73	14	58	14	*k* 16.67	22	*j* 13	22	16.33	5.9
Fort Madison (*l*)	28.90	38.06	33.67	33.54	13	53	14	45.00	10	*m* 17	22	18.33	4.8
Franklin	25.81	35.94	30.26	30.67	14	52	15	44.00	11	*i* 11	11	19.33	5.5
Iowa City	27.05	38.16	32.35	32.52	14	54	16	42.67	3	14	22	22.67	5.9
Muscatine	27.35	36.61	31.06	31.67	14	52	14	50.33	28	15	26	20.33	4.3
Pleasant Plain	27.45	39.81	32.06	33.11	15	59	15	48.00	22	8	22	20.33	4.7
Rossville	24.48	32.65	27.52	28.22	13	47	16	40.33	22	*i* 10	11	17.33	5.8
Sioux City	23.33	34.43	26.25	28.00	19	43	17	34.40	9	63	8	16.90	
MINNESOTA—													
Buchanan (*n*)	20.26	31.26	22.06	25.44	16	49	16	42.75	8	*o* 7	24	15.00	
Hazlewood	20.14	27.96	22.86	23.65	16	40	16	37.33	11	2	10	14.67	5.4
Lapham	16.19	25.42	16.06	19.22	13	40	13	34.67	5	2	25	10.00	
Princeton (*p*)	18.86	29.42	19.87	22.72	1	52	16	34.33	30	— 1	30	2.67	4.5
Wabashaw	21.93	29.65	25.90	25.83	13	43	16	36.00	31	6	31	14.00	5.2
NEBRASKA—													
Bellevue	27.27	38.81	30.29	32.12	31	52	15	46.00	10	10	9	*i* 22.67	4.7
Omaha													4.3
KANSAS—													
Lawrence	31.87	46.35	37.74	38.65	31	58	16	49.00	23	*q* 18	22	28.33	4.3
Leavenworth City	32.23	43.68	36.35	37.42	13	56	16	48.67	22	18	22	25.67	5.5
Mapleton	33.57	46.90	37.10	37.19	13	62	15	52.00	22	19	22	27.00	4.6
CALIFORNIA—													
Sacramento	43.03	51.16	47.94	47.38	18	57	4	52.67	7	*r* 37	23	43.33	4.6
San Francisco	48.42	55.77	51.13	51.77	18	61	10	55.67	7	43	24	48.33	3.9
MEXICO—													
Mirador (*s*)	66.49	76.50	67.64	70.21				81.40				60.19	
Vera Cruz (*t*)	72.36		73.14	71.75									

a Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m.
b Same temperature on the 17th and 31st.
c Same temperature on the 23d.
d Same temperature on the 15th and 16th.
e Same temperature on the 25th.
f Same temperature on the 29th.
g Same temperature on the 16th.
h Same temperature on the 17th.
i Same temperature on the 31st.
j Same temperature on the 26th.
k Same temperature on the 15th.
l Observations taken at 6 a. m., noon, and 7 p. m.
m Same temperature on the 22d.
n Observations taken at 7 a. m., noon, 3 p. m., and 9 p. m. Mean at 3 p. m., 28.19.
o Same temperature on the 18th.
p Imperfect.
q Same temperature on the 24th.
r Same temperature on the 20th.
s Observations taken at 7 a. m., 2 p. m., and 8 p. m.
t Observations taken at 6 to 8 a. m., and 9 to 11 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
WEST INDIES—													
St. George's, Bermuda	-------	-------	-------	66.40	9	73	----	--------	27	55	---	--------	----
Shelloy Bay, Bermuda	64.61	68.07	65.13	65.94	10	74	19	70.00	28	57	28	59.00	4.9
CENTRAL AMERICA—													
Guatemala	-------	-------	-------	62.73	----	77	----	--------	----	47	----	--------	---
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*)	74.35	83.39	79.29	79.01	1	90	1	*b*81.00	3	*c* 72	3	75.33	5.7

a Observations taken at 6 a. m., 2 p. m., and 6 p. m.
b Same temperature on the 15th.
c Same temperature on the 4th, 12th, 17th, and 23d.

No. 26.—PSYCHROMETER, JANUARY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.057	.078	.068	27	.192	23	.008	80	84	84	53	66	63
Montreal (*b*)	.048	.069	.059	27	.174	18	*c*. 006	75	84	83	30	53	53
St. Martin (*a*)	.047	.075	.056	21	.155	23	.008	83	80	83	63	38	64
St Martin (*b*)	.041	.069	.051	27	*d*. 136	23	.007	82	83	84	42	59	62
Toronto (*e*)	.079	.088	.083	27	.191	18	.018	91	84	90	?	65	76
Wolfville	.100	.117	.114	22	.295	18	.022	87	83	88	66	61	66
VERMONT—													
Norwich (*f*)	------	------	------	----	------	----	------	29	29	27	25	25	25
MASSACHUSETTS—													
Amherst	.075	.091	.080	27	.223	24	.019	97	86	93	81	60	69
Bridgewater (*e*)	.096	.098	.095	31	.266	12	.023	85	82	88	16	59	63
Cambridge (*g*)	------	------	------	----	------	----	------	82	79	80	69	63	63
Canton	.058	.092	.082	27	.212	24	.014	80	73	81	42	50	52
Lawrence	.294	.359	.371	27	.442	12	.204	82	81	81	68	53	75
Nantucket	.095	.096	.103	31	.235	24	.000	73	56	74	43	0	51
New Bedford	.087	.102	.100	31	.233	23	.021	86	71	87	58	41	52
Newburyport	.087	.098	.099	31	.234	8	.010	84	75	90	52	22	70
North Attleborough	.069	.083	.083	31	.266	24	.013	78	64	79	43	37	49
Westfield	.065	.081	.078	27	.205	23	*h*. 011	81	68	80	47	22	49
Worcester	.062	.079	.068	27	.229	15	*i*. 000	70	63	69	0	23	0
CONNECTICUT—													
Pomfret	.082	.104	.088	31	.267	23	.023	97	90	94	83	69	63
Wallingford	.071	.086	.082	27	.221	23	.015	85	69	87	55	45	37
NEW YORK—													
Blackwell's Island	.095	.121	.107	27	.208	18	.035	90	90	89	76	71	77
Fordham	.111	.144	.118	27	.267	6	.006	100	97	97	100	50	9
McGrawville	.064	.074	.066	27	.162	18	.015	87	86	86	58	60	73
New York city	.083	.095	.088	1	.201	18	.000	69	61	65	0	0	3
Ovid	.064	.075	.067	27	.162	18	.008	74	74	75	40	53	55
Plainville	.057	.089	.064	27	.170	2	*j*. 000	67	79	70	3	16	0
Troy (*k*)	.107	.119	.108	27	.197	6	.036	81	79	79	61	61	62
NEW JERSEY—													
Bloomfield	.074	.093	.088	31	.197	17	.011	74	64	76	29	41	54
PENNSYLVANIA—													
Berwick	.080	.101	.086	31	.191	22	.008	81	81	81	16	62	67
Chromedale	.084	.098	.090	21	.181	24	.004	84	73	80	15	45	46
Easton	.076	.091	.082	31	.193	24	.020?	82	69	81	77	60	45
Lewisburg	.068	.086	.069	29	.232	8	.019	84	62	72	44	42	39
Nazareth	.067	.114	.080	29	.225	23	.000	74	85	81	6	49	0
Norristown	.082	.092	.092	31	.204	22	.000	83	62	77	52	0	53
Philadelphia	.081	.097	.091	31	.205	22	.023	76	67	73	48	48	46
MARYLAND—													
Annapolis	.091	.129	.101	27	.235	23	.017	77	69	75	54	42	39
Frederick	.075	.089	.081	31	.191	24	.018	72	61	65	39	20	26
DISTRICT OF COLUMBIA—													
Washington	.099	.122	.119	27	.229	18	.029	78	69	76	45	41	43
VIRGINIA—													
Montross	.097	.126	.110	10	.212	23	.028	89	75	84	65	46	61
Rose Hill	.092	.116	.125	27	.206	23	.028	74	74	75	40	45	42
NORTH CAROLINA—													
Goldsborough (*e*)	.143	.137	.156	31	.413	8	.045	81	52	83	48	27	41
Murfreesborough	.136	.152	.148	27	*l*. 335	23	.036	90	70	80	54	38	44
SOUTH CAROLINA—													
All Saints	.174	.189	.185	31	.452	23	.040	84	64	83	46	36	51
Camden	.132	.178	.147	27	.439	20	.044	91	68	82	53	25	51
Charleston, [Dawson] (*m*)	------	------	------	----	------	----	------	------	------	------	------	------	------

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to the tables used by the observer.
b According to the Smithsonian tables.
c Same amount on the 23d.
d Same amount on the 28th.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f For changes in hours of observation, &c., see table of the thermometer for this month. Dalton's hygrometer.
g Simmons's organic hygrometer.
h Same amount on the 25th.
i Same amount on the 19th.
j Same amount on the 22d.
k Incomplete.
l Same amount on the 31st.
m Mean force of vapor for the month, .190, obtained approximately from the mean dew point.

No. 26.—PSYCHROMETER, JANUARY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Edisto Island (*a*)	.157	.156	.165	3	.432	19	.048	70	52	70	49	23	44
Georgia—													
Augusta	.197	.213	.225	17	.362	12	.101	87	75	86	54	49	64
Factory Mills	.162	.191	.188	28	.362	19	.043	82	72	78	53	32	53
Savannah	.186	.191	.193	18	.442	19	.046	78	52	70	46	16	38
Florida—													
Jacksonville	.272	.372	.290	28	.559	19	.082	90	77	90	51	58	77
Warrington	.424	.484	.430	28	.695	18	.182	92	86	89	85	70	73
Alabama—													
Auburn	.134	.167	.164	17	.394	22	.008	63	50	59	22	12	7
Carlowville	.170	.234	.213	27	.483	12	.012	81	70	80	11	27	28
Greensborough (*b*)	.137	.161	.156	2	.383	17	.040	67	62	61	40	37	26
Mississippi—													
Columbus	.161	.178	.170	27	.474	18	.053	82	68	78	58	45	52
Port Gibson	.224	.255	.253	2	.518	19	.078	91	79	86	71	43	71
Texas—													
Austin	.202	.180	.201	2	.407	12	.000	88	48	67	57	0	37
New Braunfels	.226	.361	.284	27	.758	19	.082	52	71	84	71	54	72
Tennessee—													
Glenwood	.107	.116	.114	27	.316	19	.025	87	70	79	63	42	52
Kentucky—													
Springdale	.063	.097	.086	26	*c*. 222	13	*d*. 000	53	63	61	0	0	0
Ohio—													
Cincinnati, [Harper]	.088	.121	.094	26	.265	25	.031	77	73	67	52	50	45
Hillsborough	.094	.117	.106	26	.257	23	.026	100	92	99	100	63	89
Perrysburg (*a*)	.074	.106	.084	27	.310	19	*e*. 000	89	85	87	49	0	0
West Bedford (*a*)	.079	.105	.083	26	.204	22	*f*. 022	91	91	84	70	70	52
Zanesville (*g*)	.063	.077	.059	27	.278	18	*f*. 000	53	55	48	0	19	0
Michigan—													
Romeo	.065	.088	.077	31	.159	11	.023	94	91	93	80	52	64
Indiana—													
New Harmony	.089	.109	.110	26	.335	19	.025	93	73	91	67	48	71
Richmond	.072	.077	.079	26	.261	23	.016	82	63	75	56	33	47
Illinois—													
Chicago	.063	.079	.076	26	.196	19	*h*. 025	92	80	89	77	57	69
Manchester (*a*)	.069	.126	.083	26	.231	18	.017	100	94	100	100	60	100
Peoria	.060	.080	.071	26	.236	21	*f*. 021	81	65	78	33	31	33
Missouri—													
St. Louis	.084	.101	.096	26	.269	7	.007	93	75	84	80	40	8
Wisconsin—													
Appleton	.034	.068	.046	30	.162	18	*i*. 000	54	65	60	0	12	0
Madison, [Sterling]	.024	.042	.036	30	.221	22	*j*. 000	37	45	45	0	0	0
Prescott	.052	.075	.070	30	.162	5	*k*. 000	46	55	56	0	11	12
Waukesha	.048	.066	.052	26	.155	18	.018	89	80	89	63	50	57
Iowa—													
Muscatine	.044	.089	.055	29	.168	19	.010	81	94	93	45	62	60
California—													
Sacramento	.269	.318	.294	19	.423	9	.136	87	81	84	71	61	67
San Francisco	.320	.340	.326	29	.536	18	.146	90	77	86	62	36	60
West Indies—													
Port of Spain, Trinidad	.846	1.068	.926	4	1.087 *l*	23	.801	87	75	82	82	54	68
St. George's, Bermuda (*m*)													
South America—													
Catharina Sophia, Surinam (*a*)	.781	.826	.811	15	.931	31	.631	88	74	79	81	55	58
Azores—													
Horta, Fayal	.409	.419	.407	6	.573	19	*n*. 281	84	79	83	63	60	63

a For changes in hours of observation, &c., see table of the thermometer for this month.
b For the first 18 days of the month only.
c Same amount on the 27th.
d Same amount on the 17th, 20th, 22d, and 23d.
e Same amount on the 31st.
f Same amount on the 22d.
g For the last 19 days of the month only.
h Same amount on the 25th.
i Same amount on the 17th, 19th, 21st, 23d, 24th, and 25th.
j Same amount on the 23d.
k Same amount on the 17th and 18th.
l Same amount on the 30th.
m Mean force of vapor for the month, .391; mean relative humidity for the month, 80.8.
n Same amount on the 26th.

No. 27.—PSYCHROMETER, FEBRUARY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.126	.147	.138	24	.325	12	.020	85	80	84	70	45	64
Montreal (*b*)	.115	.132	.124	24	.311	11	.008	83	84	85	30	72	43
St Martin (*a*)	.111	.163	.125	7	.337	12	.016	86	82	86	75	64	73
St. Martin (*b*)	.100	.145	.112	7	.340	12	.012	88	81	87	67	38	71
Toronto (*c*)	.142	.149	.151	17	.346	2	.032	91	77	85	69	58	66
Wolfville	.150	.163	.148	9	.397	28	.016	91	78	88	51	9	70
VERMONT—													
Norwich (*d*)	------	------	------	---	------	---	------	39	38	36	14	14	13
MASSACHUSETTS—													
Amherst	.163	.190	.162	18	.420	27	.035	93	76	87	60	25	47
Bridgewater (*c*)	.176	.219	.185	8	.385	11	.032	92	79	87	66	40	58
Cambridge (*e*)	------	------	------	---	------	---	------	85	78	80	66	61	61
Canton	.162	.204	.172	16	.436	11	.036	89	75	86	65	39	40
Lawrence (*c*)	.150	.201	.173	18	.374	11	.012	76	64	76	19	25	58
Nantucket	.164	.166	.157	17	.308	11	*f*. 000	73	63	74	29	0	0
New Bedford	.170	.196	.176	8	.361	11	.036	91	78	90	57	51	51
Newburyport	.176	.189	.180	17	.385	27	.017	90	76	88	26	30	45
North Attleborough	.165	.177	.155	17	.397	71	.027	85	63	78	45	29	31
Westfield	.141	.167	.156	18	.396	2	.001	80	64	86	42	15	65
Worcester	.155	.186	.158	17	.405	27	.010	81	72	74	12	12	33
CONNECTICUT—													
Pomfret	.168	.210	.172	18	.469	12	.038	95	84	89	76	54	67
Wallingford	.157	.179	.162	18	.383	3	.044	91	68	86	55	33	60
NEW YORK—													
Blackwell's Island	.175	.208	.179	18	.391	12	.051	86	79	84	51	28	30
Fordham	.206	.241	.186	18	.505	1	.012	99	91	87	91	43	25
McGrawville	.165	.195	.169	17	.436	11	.036	88	81	86	71	57	59
New York city	.161	.190	.154	25	.380	11	.001	72	62	64	10	22	25
Oswego (*g*)	.270	.246	.252	17	.394	23	.131	88	81	90	74	55	72
Ovid	.145	.165	.153	18	.354	4	.019	71	68	75	41	39	51
Plainville	.173	.229	.178	17	.523	11	.014	84	92	86	34	71	42
Troy (*g*)	.195	.199	.183	8	.415	3	.072	85	75	86	70	47	51
NEW JERSEY—													
Bloomfield	.173	.221	.167	16	.456	10	.045	84	68	72	56	28	61
PENNSYLVANIA—													
Berwick	.178	.216	.183	8	.439	10	.036	82	72	80	60	24	40
Chromedale	.178	.234	.190	8	.470	3	.046	88	70	82	47	21	29
Easton	.160	.203	.165	18	.433	11	.030	84	70	80	43	38	44
Lewisburg	.157	.178	.152	18	.388	4	.000	78	61	69	0	20	20
Norristown	.163	.196	.189	16	.433	2	.026	83	58	78	40	15	47
Philadelphia	.184	.250	.208	16	.549	10	.036	82	68	78	54	40	37
MARYLAND—													
Annapolis	.179	.256	.209	25	.549	11	.036	86	72	84	55	37	50
Frederick	.178	.221	.191	17	.471	3	.044	84	66	79	55	17	40
DISTRICT OF COLUMBIA—													
Washington	.206	.261	.247	25	.523	10	.036	91	66	84	57	24	36
VIRGINIA—													
Montross	.224	.320	.258	19	.568	11	.062	86	73	83	56	45	45
Rose Hill	.235	.277	.258	19	.725	10	.056	77	65	69	57	33	30
NORTH CAROLINA—													
Goldsborough	.737	.766	.756	17	.514	9	.069	85	50	71	56	17	0
Murfreesborough	.295	.392	.344	25	.612	10	*h*. 123	89	73	86	76	60	70
SOUTH CAROLINA—													
All Saints	.340	.425	.395	25	.604	11	.100	88	69	88	30	31	55
Camden	.303	.383	.346	20	.591	9	.082	90	56	79	57	26	51
Charleston, [Dawson] (*i*)	------	------	------	---	------	---	------	------	------	------	------	------	------
Mount Pleasant (*c*)	.354	.478	.395	16	*j*. 543	11	.071	81	76	86	35	68	61

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Dalton's hygrometer.
e Simmons's organic hygrometer.
f Same amount on the 2d.
g Incomplete.
h Same amount on the 11th, 8th, and 12th.
i Mean force of vapor for the month, .361; obtained approximately from the mean dew point.
j Same amount on the 24th.

No. 27.—PSYCHROMETER, FEBRUARY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
GEORGIA—													
Factory Mills	.294	.399	.349	21	.604	11	.064	87	62	82	63	22	53
Savannah	.339	.370	.379	15	.545	10	.064	88	53	84	40	17	62
FLORIDA—													
Jacksonville	.406	.532	.459	28	.704	10	.215	88	68	87	65	58	65
Warrington	.559	.649	.591	26	.900	9	.285	93	88	91	83	69	82
ALABAMA—													
Auburn	.282	.283	.286	25	.537	9	.000	67	42	54	37	10	0
Carlowville	.332	.458	.388	27	.843	9	.042	75	64	74	29	27	46
Greensborough	.321	.382	.379	25	.624	9	.066	73	60	69	51	23	42
MISSISSIPPI—													
Columbus	.325	.365	.349	25	.601	9	.074	87	59	79	53	25	48
Port Gibson	.409	.438	.437	25	.671	9	.167	89	60	75	68	43	54
TEXAS—													
Austin	.343	.334	.378	23	.644	10	.083	78	47	71	30	19	39
New Braunfels	.424	.576	.480	3	.856	8	.123	87	75	87	77	63	82
TENNESSEE—													
Glenwood	.261	.286	.285	25	.543	10	.065	79	56	72	46	24	39
KENTUCKY—													
Springdale (*a*)	.197	.278	.257	18	.483	9	.032	71	65	69	45	32	45
OHIO—													
Cincinnati, [Harper]	.216	.289	.241	18	.554	10	.037	69	65	69	60	28	42
Hillsborough	.248	.274	.262	18	.518	11	.055	96	76	89	74	51	61
Medina	.159	.203	.189	17	.456	1	.010	87	71	81	27	33	12
Perrysburg (*a*)	.193	.252	.217	24	.556	10	.000	86	81	83	0	51	0
West Bedford	.189	.228	.218	18	.433	11	.052	89	78	82	65	45	57
Zanesville	.176	.224	.207	18	.457	2	.034	78	66	73	54	41	44
MICHIGAN—													
Romeo (*a*)	.139	.170	.172	17	.442	10	.031	88	76	84	68	52	60
INDIANA—													
New Albany (*b*)	.296	.328	.334	17	.516	12	.142	82	72	82	64	51	50
New Harmony	.257	.319	.280	17	.690	11	.075	89	77	87	62	44	60
Richmond (*b*)	.234	.220	.197	1	.666	1	.051	69	60	70	35	25	46
ILLINOIS—													
Chicago	.151	.183	.163	17	.388	10	.028	93	80	90	68	57	65
Manchester (*a*)	.191	.279	.221	16	.518	10	.036	100	90	100	100	61	100
Peoria	.172	.222	.188	6	.439	10	.034	88	78	87	66	46	60
MISSOURI—													
St. Louis	.210	.244	.224	17	.473	10	.047	87	71	81	63	31	54
WISCONSIN—													
Appleton	.091	.134	.105	16	.283	2	*c*.000	66	69	69	0	45	40
Madison, [Sterling]	.108	.141	.111	14	.267	10	.000	70	72	74	0	0	9
Prescott	.092	.154	.101	12	.308	10	.000	48	54	47	0	2	11
Waukesha	.125	.137	.131	17	.311	10	.027	92	77	85	70	45	61
IOWA—													
Muscatine	.135	.186	.146	23	.365	10	.025	88	83	84	70	45	59
CALIFORNIA—													
Sacramento	.276	.308	.303	1	.423	6	.090	84	73	83	70	47	66
San Francisco	.310	.337	.321	1	.476	6	.147	86	76	86	57	50	70
WEST INDIES—													
Port of Spain, Trinidad	.866	1.061	.919	26	1.190	7	.801	88	77	85	81	60	77
St. George's, Bermuda (*d*)													
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*)	.783	.800	.788	11	.900	2	.612	94	74	78	90	57	57
AZORES—													
Horta, Fayal	.336	.352	.356	24	.533	14	.192	80	74	83	62	59	56

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Incomplete.
c Same amount on the 10th.
d Mean force of vapor for the month, .490. Mean relative humidity for the month, 87.0.

No. 28.—PSYCHROMETER, MARCH, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.123	.172	.138	30	*b*. 292	2	*c*. 040	83	81	80	71	45	45
Montreal (*d*)	.111	.161	.134	30	*b*. 285	3	.030	84	87	86	68	70	74
St. Martin (*a*)	.107	.174	.125	31	.274	11	.021	84	81	83	70	64	70
St. Martin (*d*)	.091	.158	.113	29	.256	11	.021	83	82	82	59	62	55
Toronto (*e*)	.117	.128	.125	23	.220	2	*c*. 039	86	67	78	63	44	52
Wolfville	.123	.138	.132	19	.251	8	.033	86	66	82	49	33	60
VERMONT—													
Norwich (*f*)								25	24	23	16	14	11
Woodstock	.103	.117	.113	25	.243	11	.027	82	62	74	54	20	42
MASSACHUSETTS—													
Amherst	.126	.146	.140	19	.389	12	.046	86	62	78	55	23	50
Bridgewater (*e*)	.146	.167	.142	19	.385	17	.029	85	70	76	50	31	16
Cambridge (*g*)								81	70	76	68	56	59
Canton (*e*)	.117	.138	.122	19	.403	4	.036	80	66	76	36	41	46
Lawrence	.122	.153	.140	24	.269	11	.039	75	62	74	23	28	29
Nantucket	.145	.141	.146	19	.285	11	.041	71	56	73	36	19	43
New Bedford	.149	.177	.160	19	*h*. 300	8	.048	85	76	88	60	43	59
Newburyport (*e*)	.159	.158	.158	14	.367	3	.029	86	67	82	33	22	46
North Attleborough	.126	.127	.128	19	.361	3	*i*. 040	76	51	72	47	20	33
Westfield	.118	.130	.159	19	.361	11	.033	74	55	85	51	18	65
Williamstown	.113	.135	.119	19	.298	3	.025	78	69	77	36	41	36
Worcester	.100	.137	.124	30	.361	5	.001	58	54	61	1	3	1
CONNECTICUT—													
Pomfret	.139	.165	.141	19	.361	7	.051	88	75	83	68	52	59
Wallingford	.127	.139	.140	19	.348	3	.043	83	57	78	58	22	54
NEW YORK—													
Blackwell's Island	.139	.152	.160	24	.349	13	.051	74	61	74	42	17	48
Fordham	.203	.252	.207	31	.438	3	.068	98	96	99	79	63	75
McGrawville	.124	.137	.126	18	.311	10	.030	87	80	86	70	45	54
New York city	.129	.144	.146	19	.307	3	.001	63	53	63	23	25	35
Ovid	.105	.117	.111	24	.241	12	.030	69	60	67	40	26	33
Plainville	.112	.179	.117	31	.334	2	.029	75	81	77	57	61	51
NEW JERSEY—													
Bloomfield	.124	.153	.154	19	.347	11	.027	69	52	75	45	18	42
PENNSYLVANIA—													
Berwick	.136	.152	.144	24	.309	13	.045	73	58	72	54	35	42
Chromedale	.135	.144	.153	24	.347	2	.050	80	52	75	50	24	35
Easton	.138	.130	.151	19	.328	10	.037	71	43	75	45	20	54
Harrisburg, [Hickok]	.157	.143	.144	24	.336	12	.000	68	42	51	0	19	20
Lewisburg	.118	.129	.115	24	.356	2	.035	74	52	58	33	17	23
Norristown	.137	.137	.138	17	.283	2	.039	72	51	63	53	17	33
Philadelphia	.144	.167	.156	24	.348	8	.044	72	55	72	41	26	47
MARYLAND—													
Annapolis	.143	.164	.156	24	.365	3	.031	72	54	66	46	29	35
Frederick	.135	.142	.157	19	.286	3	.040	71	52	71	52	18	49
DISTRICT OF COLUMBIA—													
Washington	.156	.160	.195	24	.685	2	.040	81	52	76	50	15	45
VIRGINIA—													
Montross	.158	.192	.172	24	.541	19	.022	70	56	67	42	41	6
Rose Hill	.159	.155	.171	25	.433	8	.044	62	46	53	37	21	39
NORTH CAROLINA—													
Goldsborough	.190	.163	.189	24	.533	2	.035	71	39	63	23	9	18
Murfreesborough	.216	.280	.262	24	.561	8	.042	85	68	84	18	48	63
SOUTH CAROLINA—													
All Saints	.233	.269	.279	24	.666	2	.083	80	56	77	42	28	29
Camden	.198	.227	.212	23	.514	2	.076	80	49	65	46	15	23
Charleston, [Dawson] (*j*)													

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b Same amount on the 31st.
c Same amount on the 3d.
d According to the Smithsonian tables.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f Dalton's hygrometer.
g Simmons's organic hygrometer.
h Same amount on the 20th.
i Same amount on the 7th.
j Mean force of vapor for the month, .273; obtained approximately from the mean dew point.

No. 28.—PSYCHROMETER, MARCH, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—Continued.	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches*						
Mount Pleasant	.242	------	.291	23	.478	3	.093	74	------	73	41	47	43
Georgia—													
Athens (*a*)	.187	.183	.215	23	.459	26	.076	69	46	58	29	11	25
Augusta	.260	.351	.318	23	.591	2	.155	83	72	84	57	38	65
Factory Mills	.197	.237	.235	23	.496	7	.025	75	48	72	40	9	38
Savannah	.248	.253	.294	25	.597	2	.048	76	51	70	33	14	31
Florida—													
Jacksonville	.356	.460	.400	25	.733	13	.144	85	66	88	33	50	73
Warrington	.494	.576	.532	27	.771	7	.309	91	85	86	75	71	47
Alabama—													
Auburn	.166	.181	.182	5	.391	29	.007	55	38	46	20	1	12
Carlowville	.250	.343	.255	24	.671	12	.082	72	63	63	32	36	23
Greensborough	.211	.227	.242	23	.422	2	*b*.070	61	49	57	25	16	36
Mississippi—													
Columbus	.207	.198	.215	22	.420	12	.054	69	38	60	31	20	31
Port Gibson	.319	.342	.362	21	.652	12	.143	82	53	68	60	24	31
Louisiana—													
New Orleans	.380	.381	.452	25	.635	12	.090	78	55	79	26	25	36½
Texas—													
Austin	.331	.293	.349	17	.662	13	.076	78	39	67	51	14	39
New Braunfels	.414	.682	.506	27	1.135	13	.100	86	74	87	71	48	70
Tennessee—													
Glenwood	.161	.165	.172	23	.370	7	.047	70	43	61	50	16	35
Kentucky—													
Springdale (*a*)	.125	.184	.181	23	.514	14	.000	66	53	62	40	0	29
Ohio—													
Cincinnati, [Harper]	.160	.183	.182	17	.500	6	.047	75	52	68	52	22	27
Hillsborough	.156	.177	.173	23	.433	2	.049	90	64	83	29	29	41
Medina	.117	.131	.119	24	.308	2	.035	68	55	68	31	25	34
Perrysburg (*a*)	.161	.219	.174	23	.618	2	.050	85	75	83	61	49	64
West Bedford	.147	.170	.150	23	.403	2	.043	87	69	79	58	32	47
Michigan—													
Romeo (*a*)	.112	.108	.112	24	.214	2	.036	79	55	72	43	23	46
Indiana—													
New Albany (*a*)	.213	.248	.234	22	.438	25	.130	81	70	78	63	40	45
New Harmony	.165	.195	.202	23	.510	3	.064	79	58	83	48	25	49
Illinois—													
Chicago	.130	.142	.139	22	.330	12	.033	86	72	85	64	35	58
Manchester (*a*)	.158	.236	.180	22	.497	9	.048	95	81	94	68	35	58
Peoria	.134	.187	.161	21	.410	12	.035	85	67	81	57	40	48
Missouri—													
St. Louis	.151	.174	.179	22	.367	21	.019	80	59	75	10	10	4
Wisconsin—													
Appleton	.093	.131	.111	21	.273	12	.012	69	58	68	27	25	45
Madison, [Sterling]	.093	.130	.109	30	.439	7	.006	63	60	66	12	24	18
Prescott	.110	.205	.139	21	.451	6	*c*.036	52	58	54	21	38	20
Waukesha	.107	.120	.113	22	*d*.225	11	.036	84	65	71	61	34	28
Iowa—													
Muscatine	.135	.188	.162	23	*d*.286	2	.017	82	82	87	29	56	63
Utah—													
Great Salt Lake City (*a*)	.164	.176	------	11	.297	24	.000	69	47	------	7	5	------
California—													
Sacramento	.333	.357	.361	11	*e*.442	23	.204	85	69	81	77	45	60
San Francisco	.356	.403	.342	13	.591	19	.260	87	70	85	72	45	74
West Indies—													
St. George's, Bermuda (*f*)	------	------	------	----	------	----	------	------	------	------	------	------	------
Azores—													
Horta, Fayal	.396	.415	.404	30	.537	17	.246	84	79	84	64	64	68

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 7th.
c Same amount on the 11th.
d Same amount on the 31st.
e Same amount on the 15th.
f Mean force of vapor for the month, .489; mean relative humidity for the month, 82.8.

No. 29.—PSYCHROMETER, APRIL, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.176	.212	.184	20	.358	2	.051	77	73	77	62	33	54
Montreal (*b*)	.177	.211	.175	20	.348	2	.035	81	74	79	53	39	42
St. Martin (*a*)	.179	.238	.299	19	.342	2	.044	84	78	84	65	61	68
St. Martin (*b*)	.163	.221	.179	19	.320	2	.034	84	76	82	67	58	64
Toronto (*c*)	.147	.164	.152	5	.259	2	.061	82	63	79	69	49	57
Wolfville	.202	.219	.201	10	.420	3	.092	88	63	81	60	30	54
NEW HAMPSHIRE—													
Francestown, [Bixby]	.163	.176	.183	6	.443	2	*d*. 028	74	56	76	25	22	31
VERMONT—													
Norwich (*e*)	------	------	------	----	------	----	------	20	16	16	10	6	4
MASSACHUSETTS—													
Amherst	.190	.195	.190	6	.457	2	.062	83	59	76	56	32	54
Bridgewater (*c*)	.193	.217	.214	6	.458	3	.064	83	65	74	51	33	25
Cambridge (*f*)	------	------	------	----	------	----	------	83	73	79	67	57	63
Lawrence	.187	.214	.209	6	.483	3	.062	83	63	81	58	18	51
Nantucket	.193	.198	.203	6	.328	2	.076	72	61	79	42	32	60
Newburyport (*c*)	.183	.218	.219	6	.407	3	.062	80	71	84	43	28	49
New Bedford	.196	.227	.214	6	.361	2	.066	84	71	87	52	39	47
Westfield	.158	.172	.218	6	.454	7	.055	70	53	88	38	20	74
Williamstown	.185	.228	.196	6	.467	8	.100	80	74	85	56	41	58
Worcester	.169	.225	.193	6	.449	2	.051	75	71	75	21	22	21
CONNECTICUT—													
Pomfret	.189	.222	.197	6	.403	2	.067	86	73	84	62	46	59
Wallingford	.173	.188	.188	6	.411	2	.065	77	55	76	45	30	47
NEW YORK—													
Blackwell's Island	.182	.198	.188	6	.374	2	.039	68	56	68	33	26	39
McGrawville	.168	.180	.166	6	.410	2	.045	83	70	82	61	36	59
New York city	.172	.200	.169	6	.352	2	.037	63	55	58	35	25	21
Oswego (*g*)	.215	.236	.166	14	*h*. 300	15	.155	85	81	85	60	59	61
Ovid	.151	.157	.155	6	.363	2	.054	72	64	72	42	26	37
Plainville	.183	.225	.181	4	.439	2	.039	86	81	87	57	25	47
NEW JERSEY—													
Bloomfield	.205	.237	.219	6	.418	2	.043	78	65	81	61	33	57
Burlington	.232	.252	.250	27	.348	16	.156	90	74	88	68	39	62
PENNSYLVANIA—													
Berwick (*c*)	.195	.211	.184	5	.433	2	.055	72	58	70	53	33	44
Chromedale	.191	.189	.186	6	.424	2	.001	79	57	72	33	23	43
Easton	.169	.158	.174	6	.428	2	.046	68	46	73	40	23	43
Harrisburg, [Hickok]	.175	.177	.166	6	.446	2	.047	71	52	59	51	26	20
Lewisburg	.170	.157	.160	6	.531	2	.042	72	49	66	48	18	39
Norristown	.184	.197	.168	6	.421	2	.064	76	60	67	51	27	41
Philadelphia	.204	.210	.197	6	.469	2	.077	74	55	70	42	31	47
DELAWARE—													
Newark, (*c*)	.203	.212	.185	27	.334	15	.136	74	53	67	54	32	50
MARYLAND—													
Annapolis	.198	.211	.200	6	.449	2	*d*. 076	75	56	71	45	29	40
Frederick	.177	.219	.192	5	.449	6	.000	69	59	69	0	14	17
DISTRICT OF COLUMBIA—													
Washington	.210	.198	.214	6	.491	15	.069	79	52	72	44	21	44
VIRGINIA—													
Crack Whip	.163	.196	.168	6	.433	6	.051	71	57	71	40	25	38
Montross	.208	.245	.218	6	.491	15	.014	72	61	76	25	20	4
Rose Hill	.199	.186	.211	6	.483	2	.067	62	48	58	38	22	30
NORTH CAROLINA—													
Goldsborough	.251	.222	.221	6	.544	17	.035	71	45	62	40	10	20
Murfreesborough	.275	.358	.311	27	.631	2	.150	90	75	87	74	59	58
SOUTH CAROLINA—													
All Saints	.316	.313	.337	6	.591	7	.129	83	54	77	47	29	55
Camden	.252	.253	.260	19	.536	3	.078	73	42	69	34	14	39

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to the tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 3d.
e Dalton's hygrometer.
f Simmons's organic hygrometer.
g Imperfect.
h Same amount on the 27th.

No. 29.—PSYCHROMETER, APRIL, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
SOUTH CAROLINA—Continued.													
Charleston, [Dawson] (*a*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Athens	.260	.293	.278	5	.531	21	.126	80	54	69	63	30	38
Augusta	.274	.358	.378	28	.695	6	.087	71	59	76	21	35	22
Factory Mills	.261	.272	.278	5	.544	6	.099	72	43	65	36	17	35
Savannah	.295	.267	.308	19	.542	15	.070	68	40	64	31	7	22
FLORIDA—													
Jacksonville	.417	.512	.466	18	.829	22	.210	84	65	83	58	37	68
ALABAMA—													
Auburn	.217	.230	.223	18	.524	13	.039	59	39	48	18	7	15
Carlowville	.289	.461	.340	29	*b*.990	22	.064	75	68	73	21	21	37
Greensborough	.256	.276	.291	18	.557	6	.097	64	51	63	43	25	40
MISSISSIPPI—													
Columbus	.265	.275	.279	5	*b*.585	6	.097	72	44	68	37	24	41
Port Gibson	.334	.388	.371	30	.708	6	.125	84	59	73	68	40	37
LOUISIANA—													
New Orleans	.369	.382	.389	17	.724	6	.113	83	53	74	37	29	45½
TEXAS—													
Austin, [Jennings]	.271	.247	.303	17	.608	23	.000	69	33	61	34	0	29
New Braunfels	.390	.636	.484	17	.970	6	.155	87	71	87	81	58	51
TENNESSEE—													
Glenwood	.192	.189	.197	30	.523	16	.040	69	47	61	22	13	36
KENTUCKY—													
Springdale (*c*)	.156	.224	.218	4	.469	28	.034	79	63	74	29	7	30
OHIO—													
Cincinnati, [Harper]	.187	.235	.185	30	.457	6	.080	75	57	67	58	30	43
Hillsborough	.189	.202	.188	5	.388	6	.093	86	63	78	54	34	45
Medina	.149	.174	.138	26	.405	20	.058	74	64	76	23	21	24
Perrysburg (*c*)	.185	.217	.189	5	.362	1	*d*.089	79	70	79	53	36	59
INDIANA—													
New Albany	.227	.255	.260	30	.570	12	.088	83	67	82	62	41	61
New Harmony	.186	.214	.219	30	.487	15	.058	75	58	79	45	21	39
Richmond	.147	.136	.149	5	.361	16	.061	67	47	59	45	22	34
ILLINOIS—													
Chicago	.146	.177	.171	29	.361	6	.065	80	70	83	62	44	66
Manchester (*c*)	.188	.260	.205	1	.423	6	.086	92	69	92	60	45	63
Peoria	.167	.195	.188	30	.410	11	.071	80	55	76	49	28	55
Upper Alton (*e*)	.222	.243	.259	25	.559	20	.118	84	81	87	48	63	74
MISSOURI—													
St. Louis	.165	.172	.177	30	.459	28	.057	70	49	62	39	6	27
WISCONSIN—													
Appleton	.115	.155	.139	30	.346	6	.051	67	53	67	45	28	42
Madison, [Sterling]	.120	.135	.149	4	.298	6	.031	66	51	73	28	20	43
Waukesha, [Bean]	.194	.204	.190	26	.452	21	.029	68	50	65	38	7	31
IOWA—													
Muscatine	.212	.236	.255	12	.452	6	.075	83	76	82	59	51	58
UTAH—													
Great Salt Lake City (*c*)	.219	.188	------	20	.551	6	.002	83	37	------	45	0	------
CALIFORNIA—													
Sacramento	.384	.428	.449	12	.635	1	.223	82	61	80	64	32	50
San Francisco	.376	.397	.362	6	.572	5	.216	82	61	82	37	43	66
WEST INDIES—													
St. George's, Bermuda (*f*)	------	------	------	----	------	----	------	------	------	------	------	------	------
SOUTH AMERICA—													
Cath'na Sophia, Surinam (*c*)	.747	.834	.807	30	.958	25	.489	89	68	76	75	55	68
AZORES—													
Horta, Fayal	.396	.418	.386	20	*g*.533	6	*h*.256	79	75	84	61	62	61

a Mean force of vapor for the month, .348; obtained approximately from the mean dew point.
b Same amount on the 30th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 6th.
e Imperfect.
f Mean force of vapor for the month, .494; mean relative humidity for the month, 84.3.
g Same amount on the 21st and 22d.
h Same amount on the 17th.

No. 30.—PSYCHROMETER, MAY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.283	.376	.282	18	.748	9	*b*. 106	72	67	70	31	33	31
Montreal (*c*)	.281	.345	.280	23	.666	12	.100	72	65	73	38	22	32
St. Martin (*a*)	.265	.376	.299	28	.888	11	.145	81	67	79	53	45	61
St. Martin (*c*)	.248	.344	.274	25	.587	19	.083	77	60	73	33	32	52
Toronto (*d*)	.230	.270	.259	9	.489	11	.119	78	66	78	51	39	38
Windsor	.307	.327	.233	30	.612	11	.120	84	60	77	43	35	53
Wolfville	.279	.296	.266	30	.524	14	.110	79	57	76	40	26	36
MAINE—													
Gardiner	.365	.469	------	25	.745	15	.192	85	79	------	57	54	------
NEW HAMPSHIRE—													
Francestown, [Bixby]	.283	.287	.286	28	.581	12	.097	76	57	74	39	18	45
VERMONT—													
Norwich (*e*)	------	------	------	----	------	----	------	25	19	18	10	3	2
MASSACHUSETTS—													
Amherst	.318	.315	.322	28	.625	11	.091	84	57	80	60	31	36
Bridgewater (*d*)	.315	.378	.342	31	.549	11	.099	86	67	88	30	31	32
Cambridge (*f*)	------	------	------	----	------	----	------	87	72	78	68	55	57
Lawrence	.319	.366	.329	28	.583	11	*g*. 125	90	67	82	66	26	40
Nantucket	.282	.296	.295	31	.437	9	.062	73	60	82	53	33	49
New Bedford	.325	.354	.324	27	.537	11	.137	84	69	88	51	32	51
Newburyport (*d*)	.323	.364	.333	29	.604	11	.148	86	71	87	64	30	52
Westfield	.267	.296	.310	28	.517	11	.108	76	50	76	42	24	40
Worcester	.297	.376	.279	3	.698	10	.083	79	68	72	15	28	17
RHODE ISLAND—													
Providence (*h*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CONNECTICUT—													
Pomfret	.334	.386	.324	25	.626	11	.144	90	73	86	66	44	63
Wallingford	.305	.325	.299	28	.536	13	.099	83	57	75	52	16	42
NEW YORK—													
Blackwell's Island	.338	.343	.343	31	.577	1	.133	79	63	77	42	38	32
McGrawville	.268	.298	.298	31	.483	11	.078	74	61	79	47	40	54
New York city	.304	.337	.320	31	.552	17	.109	66	55	67	41	23	34
Oswego	.327	.321	.323	9	.621	6	.033	82	64	89	51	8	65
Ovid	.228	.240	.246	31	.583	13	.095	64	52	65	33	18	22
Plainville	.324	.428	.304	26	.908	19	*i*. 000	83	74	85	57	46	53
NEW JERSEY—													
Bloomfield	.354	.450	.379	31	.691	11	.160	85	67	84	58	48	62
Burlington	.397	.388	.382	31	.658	11	.182	86	62	81	51	32	62
PENNSYLVANIA—													
Berwick	.305	.331	.325	31	.604	11	.139	71	55	70	36	30	35
Chromedale	.332	.331	.350	31	.633	11	.114	78	55	76	36	28	42
Easton	.292	.287	.314	31	.612	11	.107	75	50	71	56	23	43
Harrisburg, [Hickok]	.292	.279	.309	31	.609	11	.095	73	47	62	39	10	25
Lewisburg	.277	.281	.292	31	.526	11	.107	71	47	61	45	21	39
Morrisville (*j*)	------	.391	------	31	.610	11	.144	------	54	------	------	33	------
Murrysville	.248	.263	.278	7	.537	11	.027	59	45	68	29	7	26
Norristown	.316	.347	.312	26	.638	11	.117	78	59	71	45	33	39
Philadelphia	.343	.343	.350	30	.585	11	.142	75	51	68	42	29	43
DELAWARE—													
Newark	.335	.407	.360	31	.601	11	.156	74	62	69	48	37	49
MARYLAND—													
Annapolis	.381	.391	.369	31	.711	12	.171	80	58	77	52	34	34
Frederick	.327	.367	.356	31	.658	12	*k*. 156	70	56	72	48	22	25
DISTRICT OF COLUMBIA—													
Washington	.375	.374	.403	31	.724	11	.162	81	54	76	47	18	27

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to the tables used by the observer.
b Same amount on the 16th, 18th, and 20th.
c According to the Smithsonian tables.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Dalton's hygrometer.
f Simmons's organic hygrometer.
g Same amount on the 12th.
h Mean relative humidity for the month, .77; minimum, .48.
i Same amount on the 13th.
j Imperfect.
k Same amount on the 5th.

No. 30.—PSYCHROMETER, MAY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches*		*Inches*						
VIRGINIA—													
Crack Whip	.298	.319	.308	29	.642	11	.112	70	51	68	42	14	39
Montross	.373	.481	.408	24	.931	16	.176	76	60	79	29	34	39
NORTH CAROLINA—													
Murfreesborough	.478	.617	.530	31	.976	20	.287	90	75	86	68	61	72
SOUTH CAROLINA—													
All Saints	.519	.517	.553	31	.884	21	.263	81	63	82	70	36	53
Camden	.450	.440	.471	31	.705	4	.206	77	52	77	49	26	28
Charleston, [Dawson] (*a*)													
GEORGIA—													
Athens	.436	.479	.348	16	.701	18	.177	81	61	77	61	25	50
Augusta	.523	.634	.624	28	1.310	21	.219	85	68	82	69	37	31
Factory Mills	.484	.495	.519	24	.904	21	.234	84	61	81	61	29	53
Savannah	.494	.479	.526	31	.712	21	.211	74	51	75	46	22	56
FLORIDA—													
Jacksonville	.638	.729	.661	30	.996	20	.352	88	71	88	70	48	77
Warrington	.719	.742	.742	15	.897	4	.483	95	87	91	86	78	79
ALABAMA—													
Auburn	.392	.394	.380	15	.604	23	.141	66	45	56	38	15	29
Carlowville	.500	.633	.518	12	1.097	22	.137	78	67	74	49	28	22
Greensborough	.440	.454	.475	1	.655	3	.266	83	53	77	56	26	51
MISSISSIPPI—													
Columbus	.440	.454	.475	1	.655	3	.266	83	53	77	56	26	51
TEXAS—													
Austin	.439	.410	.451	16	.599	19	.181	81	39	65	43	6	42
New Braunfels	.597	1.072	.722	14	1.432*b*	4	.309	89	82	90	83	74	79
TENNESSEE—													
Glenwood	.341	.339	.369	1	.612	21	.139	76	51	69	44	27	46
KENTUCKY—													
Springdale (*c*)	.287	.391	.406	9	1.114	8	.144	84	59	79	47	14	36
OHIO—													
Cincinnati, [Harper]	.332	.430	.354	31	.733	11	.147	74	58	70	53	32	42
Cincinnati, [Hurtt] (*d*)	.368	.535	.506	30	1.114	17	.216	72	69	81	53	33	52
Hillsborough	.323	.328	.334	31	.577	11	.170	81	61	76	51	29	48
Medina	.274	.306	.280	1	.600	11	.097	70	61	70	34	28	19
Perrysburg (*c*)	.316	.360	.323	31	.693	11	.125	76	64	75	46	30	39
Savannah	.301	.356	.302	24	.772	20	.110	67	55	71	26	29	39
INDIANA—													
New Albany	.376	.415	.367	31	.718	3	.156	79	61	78	48	33	48
New Harmony	.334	.347	.364	13	.599	20	.123	68	50	73	52	18	37
Richmond	.295	.246	.274	31	.532	20	.098	69	48	62	44	18	23
ILLINOIS—													
Chicago	.264	.250	.248	9	*e*.462	20	*f*.144	73	57	75	42	30	51
Manchester (*c*)	.322	.407	.346	9	.610	11	.183	82	60	82	48	36	51
Peoria	.305	.325	.308	25	.539	11	.159	76	46	69	51	22	33
Upper Alton	.383	.559	.430	23	.904	19	.143	84	79	88	43	51	75
MISSOURI—													
St. Louis	.289	.294	.272	30	.601	17	.015	61	41	55	5	22	5
WISCONSIN—													
Appleton	.214	.254	.237	26	.570	10	.059	63	44	64	36	17	36
Madison, [Sterling]	.208	.199	.227	24	.428	2	.078	59	40	62	39	13	26
Waukesha	.252	.270	.236	22	.800	4	.100	70	50	69	26	13	43
IOWA—													
Fairfield	.255	.229	.257	16	.572	19	.099	61	40	61	25	10	19
Muscatine	.352	.377	.392	24	.572	20	.232	79	73	76	61	34	58

a Mean force of vapor for the month, .554, obtained approximately from the mean dew point.
b Same amount on the 29th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d For the last 19 days of the month only.
e Same amount on the 24th.
f Same amount on the 16th.

No. 30.—PSYCHROMETER, MAY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
	Inches	*Inches*	*Inches*		*Inches.*		*Inches*						
CALIFORNIA—													
Sacramento	.396	.463	.431	25	.762	1	.266	72	62	75	62	34	56
San Francisco	.362	.376	.357	11	.460	14	.295	80	59	84	63	32	74
MEXICO—													
Vera Cruz (*a*)	.710	------	.762	----	-----	----	------	75	------	76	------	------	------
WEST INDIES—													
St George's, Bermuda (*b*)	------	------	------	----	------	----	-----	------	------	------	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.796	.896	.864	1	1.010	30	.591	91	76	81	76	62	67
AZORES—													
Horta, Fayal	.416	.423	.415	23	.583	10	.209	78	73	85	58	38	69

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean force of vapor for the month, .667; mean relative humidity for the month, 90.2.

No. 31.—PSYCHROMETER, JUNE, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.379	.468	.408	29	.854	5	.153	74	70	75	43	32	49
Montreal (*b*)	.357	.428	.380	29	.869	5	.114	67	64	69	21	28	48
St. Martin (*b*)	.374	.499	.412	10	.684	5	.186	82	65	82	66	47	47
St Martin (*a*)	.392	.516	.411	10	.692	5	.226	83	70	83	72	52	55
Toronto (*c*)	.341	.374	.335	28	.584	5	.172	83	69	79	61	33	51
Windsor	.395	.412	.380	21	.710	16	.234	75	65	81	58	38	65
Wolfville	.383	.420	.368	21	.691	8	.221	78	65	76	59	34	59
MAINE—													
Gardiner	.439	.520	.....	21	.904	8	.017	88	70	.....	71	2	.....
NEW HAMPSHIRE—													
Francestown, (Bixby)	.354	.371	.379	20	.639	5	.150	72	55	76	38	27	50
VERMONT—													
Norwich (*d*)	.....	.....	.....	.....	.....	.....	.....	25	19	17	17	6	6
MASSACHUSETTS—													
Amherst	.436	.457	.441	20	.742	26	.238	83	64	83	65	23	46
Cambridge (*c*)	.....	.....	.....	.....	.....	.....	.....	83	70	77	71	53	64
Lawrence	.426	.465	.442	22	.758	8	.273	88	65	85	66	34	59
Nantucket	.395	.408	.409	13	.586	26	.126	75	63	84	34	14	32
New Bedford	.425	.464	.434	3	.696	6	.219	81	69	87	48	22	53
Newburyport	.446	.415	.439	21	.685	15	.184	85	62	83	44	32	55
Westfield	.366	.362	.403	20	.631	6	.205	73	51	74	43	23	50
Worcester	.385	.375	.387	20	.639	6	.146	72	54	72	52	22	26
CONNECTICUT—													
Pomfret	.439	.490	.423	20	.706	6	.245	87	74	84	65	45	61
Wallingford	.408	.425	.417	21	.758	5	.221	80	59	79	62	26	54
NEW YORK—													
Blackwell's Island	.434	.445	.459	21	.785	6	.190	72	62	75	42	25	34
McGrawville	.415	.453	.433	10	.708	5	.224	83	71	86	71	45	62
New York city	.434	.485	.447	20	.711	6	.214	69	62	72	42	32	34
Oswego	.446	.463	.422	18	.758	4	.225	85	73	89	64	42	70
Ovid	.386	.400	.381	18	.617	6	.150	73	61	72	40	25	40
Plainville	.446	.618	.416	18	.827	28	.136	85	82	87	21	55	67
Spencertown	.375	.400	.403	29	.612	6	.162	76	62	76	31	33	45
NEW JERSEY—													
Bloomfield	.500	.562	.502	27	.892	6	.184	86	70	88	64	25	59
Burlington	.501	.569	.525	1	.785	5	.270	86	71	82	55	45	65
PENNSYLVANIA—													
Berwick	.470	.542	.501	28	.789	6	.044	80	69	82	49	41	9
Chromedale	.495	.552	.527	21	.822	6	.252	80	67	84	48	36	60
Easton	.415	.443	.440	1	.655	5	.181	77	59	77	47	29	43
Harrisburg, [Hickok]	.436	.466	.492	16	.738	4	.150	76	57	73	45	20	35
Lewisburg	.430	.472	.424	1	1.003	5	.192	74	57	79	52	27	48
Morrisville	.....	.572	.....	27	.762	23	.429	.....	65	.....	.....	45	.....
Murrysville	.409	.402	.444	16	.644	5	.136	69	45	77	52	21	52
Norristown	.450	.493	.496	1	.758	6	.231	81	62	77	52	31	45
Philadelphia	.483	.518	.502	1	.743	6	.268	71	57	70	46	33	49
DELAWARE—													
Newark	.512	.546	.524	16	.744	6	.268	78	65	77	45	40	54
MARYLAND—													
Annapolis	.563	.569	.569	16	.805	6	.322	82	62	80	61	36	56
Frederick	.540	.590	.556	27	.849	2	.203	74	64	82	48	47	34
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	.566	.564	.590	16	.938	23	.165	82	57	81	47	22	61
VIRGINIA—													
Berryville	.511	.531	.532	9	.784	24	.070	79	58	78	42	8	55
Crack Whip	.522	.595	.494	16	.897	6	.261	81	66	85	55	38	59
Montross	.552	.653	.569	28	.901	6	.295	75	60	78	49	37	69
Rose Hill	.542	.532	.574	29	.745	6	.273	77	55	67	61	29	48

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Dalton's hygrometer.
e Simmons's organic hygrometer.

No. 31.—PSYCHROMETER, JUNE, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches.*						
North Carolina—													
Murfreesborough	.739	.909	.762	9	1.187*a*	7	.389	86	75	86	63	51	72
South Carolina—													
All Saints	.703	.747	.733	9	*b*.891	23	.333	81	72	80	50	44	57
Camden	.660	.568	.637	14	.800	23	.362	77	47	78	55	31	54
Charleston, [Dawson] (*c*)	------	------	------	---	------	---	------	------	------	------	------	------	------
Georgia—													
Athens	.551	.500	.570	28	.723	23	.393	71	43	72	50	26	50
Augusta	.674	.763	.860	15	1.228	23	.371	79	60	85	49	27	57
Factory Mills	.631	.578	.645	27	.877	23	.382	80	49	74	43	34	56
Savannah	.647	.637	.673	17	.880	30	.397	74	52	73	53	25	46
Florida—													
Jacksonville	.825	.866	.820	28	1.010	21	.706	86	73	82	70	57	71
Warrington	.916	.943	.932	29	1.255	2	.678	94	88	90	90	67	74
Alabama—													
Auburn	.534	.466	.481	24	.704	20	.220	66	40	53	48	19	33
Carlowville	.557	1.053	.558	27	1.698	7	.264	68	71	64	15	39	27
Greensborough (*d*)	.611	520	.596	28	819	19	.291	80	48	82	67	30	49
Mississippi—													
Columbus	.621	.642	.644	28	.871	22	.394	87	55	81	71	34	54
Texas—													
Austin	.544	.479	.510	15	.717	24	.216	68	37	52	42	16	22
New Braunfels	.913	1.501	.977	12	1.791*e*	2	*f*.658	91	81	91	87	78	86
Tennessee—													
Glenwood	.561	.567	.598	7	.884	18	.343	88	60	84	74	42	65
Kentucky—													
Springdale (*g*)	.459	.583	.563	14	.915	22	.229	91	58	78	81	38	41
Ohio—													
Cincinnati, [Harper]	.517	.584	.538	13	.850	5	.296	78	58	73	67	38	45
Cincinnati, [Hurtt]	.534	.582	.582	7	.832	24	.306	79	61	76	43	32	55
Hillsborough	.514	.539	.509	28	.779	5	.257	91	63	84	73	36	40
Medina	.442	.524	.435	16	1.016	15	.229	73	63	77	37	45	37
Perrysburg (*g*)	.514	.589	.497	15	.775	4	.283	78	63	79	61	47	59
Savannah	.569	.594	.517	28	1.138	6	.225	84	62	86	69	42	59
Indiana—													
New Albany	.597	.650	.541	14	1.060	5	.319	83	67	85	65	38	68
New Harmony	.559	.603	.569	9	.963	1	.268	79	62	83	51	39	58
Richmond	.431	.389	.400	16	.724	22	.185	73	50	67	57	25	36
Illinois—													
Chicago	.423	.436	.414	15	.788	2	.210	73	59	79	53	28	63
Manchester (*g*	.522	.602	.547	14	.997	18	.334	99	65	89	72	43	25
Peoria	.492	.499	.531	15	.869	5	.216	79	49	75	59	26	51
Upper Alton	.579	.744	.581	28	1.101	5	.335	85	80	87	60	53	63
Missouri—													
St Louis	.502	.524	.526	13	.843	2	.018	69	52	73	44	1½	48
Wisconsin—													
Appleton	.395	.454	.418	27	.764	3	.204	74	62	79	52	35	60
Madison, [Sterling]	.393	.374	.388	7	.748	4	.124	73	49	66	34	21	34
Iowa—													
Fairfield	.383	.356	.388	7	.650	3	.178	56	38	61	37	21	38
Muscatine	.541	.567	.594	15	.846	1	.308	81	73	80	67	58	69
Utah—													
Great Salt Lake City (*g*)	.293	.238	------	19	.577	24	.000	53	26	------	18	0	------
California—													
Sacramento	.437	.547	.519	16	.873	25	.237	65	61	73	47	21	54
San Francisco	.394	.421	.405	16	.581	24	.336	80	63	88	53	22	76

a Same amount on the 14th and 16th.
b Same amount on the 13th.
c Mean force of vapor for the month, .841; obtained approximately from the mean dew point.
d Imperfect.
e Same amount on the 26th, 27th, 28th, and 30th.
f Same amount on the 20th.
g For changes in hours of observation, &c., see table of the thermometer for the month.

No. 31.—PSYCHROMETER, JUNE, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches*		*Inches*						
MEXICO—													
Vera Cruz (*a*)	.802	------	.849	----	-------	----	-----	81	------	80	------	------	------
WEST INDIES—													
St. George's, Bermuda (*b*)	--------	------	------	----	----	----	------	------	------	------	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*	.765	.889	.846	22	1.024	5	.693	91	75	80	82	58	67
AZORES—													
Horta, Fayal	.494	.522	.493	30	626	3	.375	78	74	88	64	54	75

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean force of vapor for the month, .543; mean relative humidity for the month, 86.5.

No. 32.—PSYCHROMETER, JULY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.562	.667	.566	17	.814*b*	5	.287	78	71	77	52	54	52
Montreal (*c*)	.518	.629	.557	17	.813*b*	5	.259	72	65	74	40	43	47
St. Martin (*a*)	.537	.713	.567	15	1.136	5	.241	85	67	87	71	44	71
St. Martin (*c*)	.527	.739	.574	15	1.128	5	.210	83	67	87	23	43	70
Toronto (*d*)	.495	.552	.505	25	.761	2	.302	85	67	83	61	42	64
Wolfville	.577	.663	.560	7	.975	8	.319	85	76	82	69	47	69
MAINE—													
Cornish, [West]	.532	.607	.521	19	.948	2	.255	85	67	85	53	48	56
Gardiner	.606	.809	.....	27	1.109	8	.373	89	76	.....	55	40	.....
VERMONT—													
Norwich (*e*)	.....	.....	.....	.....	.....	.....	.....	27	19	19	18	6	6
MASSACHUSETTS—													
Amherst	.610	.675	.630	14	.899	8	.295	92	67	90	81	34	77
Cambridge (*f*)	.....	.....	.....	.....	.....	.....	.....	87	70	80	75	55	65
Lawrence	.594	.689	.614	19	1.019	6	.269	93	68	88	62	35	63
Nantucket	.560	.596	.541	20	.856	1	.335	85	69	87	70	51	66
New Bedford	.623	.671	.622	15	.914	2	.349	94	78	96	72	43	75
Newburyport (*d*)	.608	.630	.616	28	.928	4	.213	88	72	86	64	44	57
Princeton	.515	.594	.511	28	1.180	2	.143	85	70	81	48	41	36
Westfield	.540	.589	.601	25	.851	2	.293	86	63	88	67	36	71
Worcester	.569	.608	.598	18	1.092	9	.229	85	67	83	41	37	44
RHODE ISLAND—													
Providence (*g*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT—													
Pomfret	.604	.691	.614	13	.877	2	.335	94	78	95	73	57	73
Wallingford	.600	.632	.604	26	.832	2	.327	92	68	90	75	40	78
NEW YORK—													
Blackwell's Island	.177	.601	.593	13	.789	8	.306	77	66	73	39	37	43
McGrawville	.559	.606	.575	19	.820	2	.362	84	69	87	75	51	69
New York city	.599	.694	.611	13	1.050	2	.355	76	72	76	47	54	58
Oswego	.642	.681	.616	19	1.066	3	.362	84	71	87	76	56	78
Ovid	.477	.506	.494	20	.927	4	.270	65	54	67	49	32	44
Spencertown	.554	.568	.575	26	.800	2	.244	78	64	80	60	47	66
NEW JERSEY—													
Bloomfield	.649	.752	.656	26	.945	3	.389	91	72	94	80	51	72
Burlington	.664	.716	.691	18	.983	4	.418	93	69	90	83	52	81
PENNSYLVANIA—													
Berwick	.614	.689	.647	13	.914	1	.337	87	71	86	70	52	63
Chromedale	.669	.664	.632	19	.865	2	.370	88	66	89	78	51	77
Easton	.592	.593	.604	28	.813	3	.328	89	61	85	73	34	59
Harrisburg, [Hickok]	.585	.601	.619	19	.823	1	.290	83	63	79	64	43	42
Lewisburg	.563	.599	.584	19	.841	4	.157	83	59	81	69	17	57
Morrisville	.....	.690	.....	20	.859	2	.416	.....	65	.....	53	.....	.....
Murrysville	.500	.485	.511	12	.877	3	.250	75	47	75	59	26	43
Norristown	.618	.629	.604	18	.795	2	.334	88	67	83	79	48	64
Philadelphia	.608	.621	.645	26	.822	3	.377	74	57	72	58	41	55
Westtown	.663	.726	.666	19	.921*h*	3	.403	91	70	87	82	57	67
DELAWARE—													
Newark	.639	.698	.655	26	.936	2	.391	83	73	82	67	57	63
MARYLAND—													
Annapolis	.689	.694	.713	19	.943	2	.410	90	67	78	81	51	65
Chestertown	.677	.718	.659	28	.870	3	.3 5	87	71	86	76	58	65
Frederick	.629	.667	.669	13	.827	3	.378	81	70	84	60	53	73
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	.674	.671	.696	19	.983	3	.407	88	63	84	76	47	59

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b Same amount on the 30th.
c According to the Smithsonian tables.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Dalton's hygrometer.
f Simmons's organic hygrometer.
g Mean relative humidity for the month, 80; minimum, 58.
h Same amount on the 20th.

No. 32.—PSYCHROMETER, JULY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
VIRGINIA—													
Berryville	.599	.639	.627	27	.859	3	.379	88	70	87	51	53	71
Crack Whip	.607	.633	.575	16	.911*a*	1	.362	87	67	90	74	54	85
Rose Hill	.653	.672	.695	30	.877	3	.403	86	71	80	54	54	68
Salem	.596	.680	.641	27	.969	2	.359	76	69	75	58	52	50
NORTH CAROLINA—													
Murfreesborough	.733	.781	.757	20	.989	3	.446	88	77	86	83	60	72
SOUTH CAROLINA—													
All Saints	.776	.808	.818	26	.950	1	.497	88	77	86	59	50	73
Camden	.685	.683	.696	26	.884	3	.409	84	63	85	61	36	50
Charleston, [Dawson] (*b*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Athens	.639	.647	.663	29	.963	2	.324	82	61	79	61	29	44
Augusta	.721	.766	.757	13	1.366	1	.268	83	64	85	47	32	22
Savannah	.742	.759	.747	31	.902	2	.368	87	69	85	55	33	47
FLORIDA—													
Jacksonville	.828	.847	.847	12	1.038	4	.606	89	77	87	81	47	67
Warrington	.910	1.079	.918	15	1.114*c*	3	.758	91	96	92	86	75	82
ALABAMA—													
Auburn	.578	.546	.556	12	.785	2	.287	70	47	64	45	12	33
Carlowville	.688	.824	.711	28	1.083	3	.389	78	70	80	52	36	54
Greensborough (*d*)	.619	.583	.639	27	.875	2	.306	84	55	82	63	28	60
MISSISSIPPI—													
Columbus	.690	.719	.719	21	.953	4	.438	88	57	83	75	37	64
TEXAS—													
Austin	.642	.516	.564	29	.758*e*	5	.342	75	36	55	48	20	39
New Braunfels	.935	1.581	1.076	18	1.954	11	.745	91	80	91	87	75	86
TENNESSEE—													
Glenwood	.631	.682	.698	19	.943	1	.382	91	68	89	73	45	78
KENTUCKY—													
Springdale (*d*)	.511	.760	.681	15	1.283	1	.298	93	64	85	68	39	63
OHIO—													
Cincinnati. [Harper]	.652	.669	.705	26	.963	1	.322	78	61	75	50	38	61
Hillsborough	.625	.678	.651	20	.854*f*	1	.380	97	74	94	88	55	76
Hiram	.556	.614	.577	18	.775	1	.376	84	68	85	56	49	48
Medina	.565	.633	.573	28	.920	3	.330	83	69	89	54	47	76
Perrysburg (*d*)	.632	.684	.641	17	.928*f*	1	.365	82	66	82	73	42	72
Savannah	.687	.854	.648	26	1.300	1	.362	55	72	96	57	29	64
INDIANA—													
New Harmony	.692	.711	.709	13	.976	1	.376	83	60	85	67	38	69
Richmond	.568	.503	.538	3	.890	1	.295	82	53	77	68	32	54
ILLINOIS—													
Manchester (*d*)	.682	.810	.726	17	1.146	2	.376	92	72	91	77	47	75
Peoria	.613	.616	.621	26	.952	1	.325	80	44	72	67	27	35
MISSOURI—													
St. Louis	.631	.620	.663	16	.928	1	.303	71	48	72	52	31	56
WISCONSIN—													
Appleton	.545	.618	.566	5	1.124	10	.277	75	55	80	45	18	49
Madison, [Sterling] (*d*)	.531	.494	.542	15	.915	1	.234	65	48	67	54	32	33
Waukesha	.516	.613	.511	7	.877	1	.323	75	58	77	50	37	45
IOWA—													
Fairfield	.514	.469	.455	17	1.128	5	.211	56	37	57	16	16	42
Muscatine	.636	.715	.736	16	1.111	4	.429	80	74	81	72	60	65
UTAH—													
Great Salt Lake City (*d*)	.326	.238	------	22	.577	26	.073	53	22	------	22	7	------
CALIFORNIA—													
Sacramento	.433	.508	.483	18	.626	9	.356	67	57	67	52	28	51
San Francisco	.400	.426	.407	11	.522	2	.336	86	65	91	72	42	75

a Same amount on the 29th.
b Mean force of vapor for the month, .847; obtained approximately from the mean dew point
c Same amount on the 28th, 29th, and 30th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 23d and 25th.
f Same amount on the 27th.

No. 32.—PSYCHROMETER, JULY, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches*		*Inches.*						
MEXICO—													
Vera Cruz (*b*)	.809	------	.857	----	------	----	------	81	------	82	------	------	------
WEST INDIES—													
St George's, Bermuda (*a*)	------	------	------	----	------	----	------	------	------	------	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.784	.890	.861	19	1.024	29	.680	93	77	82	81	65	75
AZORES—													
Horta, Fayal	.604	.650	.596	25	.793	16	.393	86	80	90	63	56	59

a Mean force of vapor for the month, .797; mean relative humidity for the month, 82.5.

b For changes in hours of observation, &c., see table of the thermometer for this month.

No. 33.—PSYCHROMETER, AUGUST, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches*		*Inches*						
BRITISH AMERICA—													
Montreal (*a*)	.505	.636	.537	14	1.036	31	.358	85	82	84	63	64	72
Montreal (*b*)	.492	.619	.534	14	1.051	4	.206	83	78	85	28	38	70
St. Martin (*a*)	.462	.648	.491	27	.910	30	.302	79	73	87	29	53	63
St. Martin (*b*)	.448	.657	.481	14	1.165	24	.065	89	72	86	44	52	29
Toronto (*c*)	.431	.506	.455	14	.755	11	.260	86	66	81	66	40	67
Wolfville	.516	.645	.560	8	.814	17	.259	76	75	74	40	59	54
MAINE—													
Cornish, [West]	.456	.514	.468	14	.832	16	.296	86	70	87	57	45	67
Gardiner	.547	.646	------	14	1.098	16	.371	93	78	------	62	49	------
NEW HAMPSHIRE—													
Francestown, [Bixby]	.492	.519	.485	14	.789	16	.283	86	69	79	54	46	62
MASSACHUSETTS—													
Amherst	.544	.599	.557	13	.864	16	.346	93	68	92	61	50	71
Cambridge (*d*)	------	------	------	------	------	------	------	86	75	80	75	64	70
Lawrence	.525	.627	.565	14	.970	19	*e*.348	91	73	88	67	50	71
Nantucket	.538	.535	.535	13	.746	24	.343	79	65	87	46	44	74
New Bedford	.564	.573	.576	14	.882	18	.325	90	71	91	69	43	62
Newburyport	.545	.586	.560	13	.863	16	.355	88	66	85	54	42	61
Princeton	.462	.507	.472	14	.790	16	.266	85	67	84	58	41	52
Westfield	.459	.516	.527	14	.813	30	.316	83	59	84	61	37	59
Worcester	.515	.581	.524	29	.938	3	.189	86	70	82	67	37	56
RHODE ISLAND—													
Providence (*f*)	------	------	------	------	------	------	------	------	------	------	------	------	------
CONNECTICUT—													
Pomfret	.551	.610	.558	14	.895	24	.378	94	78	92	72	60	77
Wallingford	.523	.590	.554	11	.918	24	.334	91	66	88	77	44	73
NEW YORK—													
Bellport	.526	.573	.546	14	.850	20	.257	77	70	88	43	46	56
Blackwell's Island	.537	.541	.574	14	.836	24	.330	71	59	68	53	40	54
McGrawville	.449	.499	.472	14	.785	24	.272	84	66	87	62	42	75
New York city	.556	.535	.565	14	.859	25	.387	69	55	68	52	34	55
Oswego	.535	.643	.565	14	.990	24	.376	87	75	88	70	59	78
Waterford (*c*)	.505	.560	.520	14	1.005	24	.365	81	66	81	61	44	65
NEW JERSEY—													
Bloomfield	.580	.719	.607	14	1.012	30	.295	86	69	89	65	54	61
Burlington	.616	.656	.645	14	.963	24	.413	92	67	90	77	50	75
PENNSYLVANIA—													
Berwick	.558	.651	.607	14	.962	26	.363	89	72	85	75	59	55
Chromedale	.585	.618	.605	14	.901	25	.388	89	68	92	64	53	74
Easton	.528	.533	.551	14	.875	24	.300	86	57	82	66	39	61
Harrisburg, [Hickok]	.524	.512	.541	14	.839	24	.255	80	54	71	46	33	44
Lewisburg	.521	.534	.555	14	.843	21	.250	87	56	79	72	31	66
Morrisville	------	.643	------	13	.956	26	.452	------	61	------	------	44	------
Mount Joy	.586	.697	.678	14	1.005	25	.363	85	71	81	71	56	75
Murrysville	.451	.473	.496	17	.732	31	.256	74	49	77	56	22	60
Norristown	.516	.586	.578	15	.850	25	.348	85	65	83	76	46	64
Philadelphia	.576	.576	.596	14	.908	25	.371	73	57	73	56	41	52
Westtown	.588	.679	.623	14	1.019	23	.367	85	72	86	48	57	71
DELAWARE—													
Newark (*c*)	.613	.669	.630	15	.928	25	.400	84	70	82	73	54	65
MARYLAND—													
Annapolis	.654	.661	.686	18	.976	24	.365	88	66	76	68	47	61
Frederick	.630	.657	.662	4	.942	25	.342	87	71	89	67	42	66
DISTRICT OF COLUMBIA—													
Washington, [Smith Inst.]	.638	.646	.667	17	.923	21	.402	87	64	84	72	44	68
VIRGINIA—													
Berryville	.565	.570	.564	17	.812	25	.341	85	62	79	48	40	51
Crack Whip (*c*)	.581	.596	.541	15	.829	30	.311	89	69	90	78	55	72

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Simmons's organic hygrometer.
e Same amount on the 25th.
f Mean relative humidity for the month, 80. Observations taken at 6 a. m., 1 p. m., and 10 p. m.

No. 33.—PSYCHROMETER, AUGUST, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
VIRGINIA—Continued.													
Rose Hill	.660	.615	.647	14	.838	25	.369	82	62	77	61	41	61
Salem	.621	.670	.649	17	.856	12	.369	79	66	74	67	48	35
NORTH CAROLINA—													
Murfreesborough	.774	.808	.782	15	1.066	26	.537	86	72	83	71	58	69
Warrenton	.687	.709	.725	17	1.038	22	.429	83	66	80	68	51	69
SOUTH CAROLINA—													
All Saints	.791	.810	.840	16	1.016	30	.489	87	77	86	62	52	68
Camden	.724	.745	.738	15	.983	21	.430	86	64	84	69	43	55
Charleston, [Dawson] (*a*)	------	------	------	---	------	---	------	------	------	------	------	------	------
GEORGIA—													
Augusta	.787	.868	.763	10	1.165	22	.376	87	73	74	66	40	40
Savannah	.755	.783	.767	15	.930	22	.472	86	65	84	73	44	73
FLORIDA—													
Jacksonville	.830	.874	.836	17	1.060	9	.618	89	72	85	82	50	60½
Warrington	.952	1.069	.959	15	1.189	21	.798	95	94	95	86	83	91
ALABAMA—													
Auburn	.651	.641	.636	1	.816	30	.385	76	55	72	46	40	53
Carlowville	.706	.998	.719	10	1.366*b*	26	.574	79	77	79	58	60	62
MISSISSIPPI—													
Columbus	.737	.776	.767	6	.967	39	.463	91	63	83	81	49	68
TEXAS—													
Austin	.707	.556	.616	13	.812	30	.335	78	37	58	56	28	32
New Braunfels	.989	1.575	1.180	10	1.880	30	.812	91	79	94	91	75	76
TENNESSEE—													
Glenwood	.679	.729	.728	12	1.065	30	.420	93	74	92	85	53	82
KENTUCKY—													
Springdale (*c*)	.554	.763	.694	16	1.056	30	1.310	93	68	85	90	44	59
OHIO—													
Cincinnati, [Harper]	.667	.732	.716	14	1.241	31	.423	78	69	76	47	48	59
Hillsborough	.629	.660	.635	17	.914	30	.388	98	72	92	92	56	73
Medina	.551	.573	.503	13	.843	28	.327	82	64	84	62	37	42
Perrysburg (*c*)	.565	.649	.587	12	.950	21	.334	85	70	81	49	57	64
Savannah	.617	.795	.615	13	1.078	22	.396	91	72	98	70	49	77
INDIANA—													
New Harmony	.696	.767	.729	10	1.016	31	.216	53	69	88	40	52	74
Richmond (*c*)	.588	.560	.580	14	.792	30	.335	89	50	79	72	36	58
ILLINOIS—													
Manchester (*c*)	.625	.772	.662	14	1.160	29	.388	94	78	94	88	62	75
Peoria	.584	.603	.592	1	.895	28	.293	83	53	76	72	28	62
MISSOURI—													
St Louis	.625	.651	.652	8	1.090	28	.330	76	58	76	56	40	53
WISCONSIN—													
Appleton	.512	.626	.530	31	.983	25	.264	82	71	87	43	27	69
Madison, [Sterling]	.505	.485	.496	2	.816	18	.306	43	58	77	63	41	46
IOWA—													
Fairfield	.518	.479	.477	3	1.023	30	.176	69	47	67	27	24	51
Muscatine	.631	.716	.692	12	1.046	29	.399	84	82	84	76	73	75
UTAH—													
Great Salt Lake City (*c*)	.301	.166	------	15	.497	10	.000	52	16	------	9	0	------
CALIFORNIA—													
Sacramento	.410	.470	.483	10	.572	9	.331	68	53	66	39	26	49
San Francisco	.400	.448	.418	8	.597	22	.336	88	68	94	73	25	77
MEXICO—													
Vera Cruz (*c*)	.870	------	.920	---	------	---	------	86	------	86	------	------	------
WEST INDIES—													
St. George's, Bermuda (*f*)	------	------	------	---	------	---	------	------	------	------	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*e*)	.819	.901	.882	7	1.070*g*	1	.632	92	71	78	86	56	61

a Mean force of vapor for the month, .887; obtained approximately from the mean dew point.
b Same amount on the 29th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 31st.
e For the first 17 days of the month only.
f Observations taken at 3¾ and 9¼ a. m., and p. m. Mean force of vapor, .812; mean relative humidity, 81.2.
g Same amount on the 9th and 31st.

No. 34.—PSYCHROMETER, SEPTEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.364	.428	.384	2	.800	29	.190	79	67	75	46	47	58
Montreal (*b*)	.363	.437	.382	2	.806	19	.100	77	71	75	54	42	30
St. Martin (*b*)	.359	.514	.412	13	.854	19	.170	86	74	89	74	53	83
St. Martin (*a*)	.339	.515	.406	4	.911	21	.105	85	73	89	72	43	77
Toronto (*c*)	.353	.435	.375	11	.744	29	.145	86	67	83	75	37	71
Windsor	.360	.412	.364	15	.692	30	.190	86	60	78	72	33	52
Wolfville	.386	.440	.371	4	.877	30	.169	82	63	77	65	40	52
MAINE—													
Cornish, [West]	.356	.415	.382	3	*d*. 704	23	.136	86	63	86	39	35	70
Gardiner	.404	.490	.....	2	.942	30	.189	93	68	.....	55	42	.....
NEW HAMPSHIRE—													
Francestown, [Bixby]	.373	.406	.384	11	.731	29	*e*. 117	79	60	75	52	32	50
Francestown, [Root] (*f*)	.301	.318	.319	14	.688	30	*g*. 117	80	55	74	55	29	53
MASSACHUSETTS—													
Amherst	.406	.472	.452	14	.798	30	.175	94	64	89	63	41	64
Cambridge (*h*)	.....	.....	.....	.....	.....	.....	.....	82	70	77	73	61	66
Lawrence	.385	.467	.438	14	.771	30	.149	92	64	87	76	39	62
Nantucket	.440	.438	.439	14	.672	30	.066	77	62	80	26	14	26
New Bedford	.463	.470	.447	14	.772	27	.172	90	67	89	72	22	58
Newburyport	.452	.491	.459	11	.804	30	.183	91	64	85	71	40	58
Princeton	.370	.402	.365	14	.694	29	.127	82	63	77	55	42	49
Westfield	.374	.402	.446	14	.762	30	*g*. 157	90	52	80	60	34	67
Worcester	.404	.403	.448	14	.897	19	.016	86	58	82	58	15	47
RHODE ISLAND—													
Providence (*i*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT—													
Pomfret	.435	.499	.454	14	.868	30	.178	93	75	92	77	53	73
Wallingford	.400	.472	.444	14	.805	30	.168	89	62	88	71	41	71
NEW YORK—													
Bellport	.447	.478	.457	14	.731	30	.136	86	69	86	59	21	49
Blackwell's Island	.441	.477	.480	17	.785	30	.182	74	63	72	54	37	47
Clinton	.357	.430	.402	14	.706	7	.152	76	52	76	57	33	64
McGrawville	.363	.447	.406	10	.764	30	.099	86	69	86	71	48	29
New York city	.444	.458	.454	14	.804	30	.185	73	59	68	55	35	46
Oswego	.449	.546	.487	11	.955	30	.190	90	78	88	74	27	62
Ovid	.365	.399	.371	18	.653	30	.144	73	56	70	47	37	53
Waterford	.403	.481	.459	11	.850	30	.157	83	63	81	65	45	63
NEW JERSEY—													
Bloomfield	.459	.631	.494	2	.955	29	.249	90	73	90	67	50	68
Burlington	.501	.572	.522	14	.841	30	.273	96	68	88	79	48	68
PENNSYLVANIA—													
Chromedale	.450	.498	.462	17	.754	30	.210	90	69	85	65	40	62
Easton	.402	.449	.436	14	.684	30	.193	89	57	81	55	30	55
Harrisburg, [Hickok]	.398	.402	.422	18	.854	29	.118	78	50	69	34	19	36
Lewisburg	.394	.451	.445	11	.658	29	.185	88	88	79	63	29	56
Morrisville	.....	.516	.....	1	.704	30	.256	.....	61	.....	.....	44	.....
Mount Joy	.463	.604	.574	11	.904	31	.238	81	71	81	39	42	67
Murrysville	.377	.405	.398	17	.658	30	.169	80	49	76	63	30	56
Norristown	.425	.474	.456	17	.731	29	.178	86	61	84	59	37	58
Philadelphia	.470	.463	.491	14	.764	29	.201	75	51	71	51	32	47
Westtown	.466	.557	.504	17	.792	30	.164	91	71	90	53	49	65
DELAWARE—													
Newark	.469	.540	.493	17	.779	30	.209	84	67	83	63	49	71
MARYLAND—													
Annapolis	.519	.519	.555	13	.798	30	.242	88	61	74	52	40	49
Frederick	.447	.514	.489	13	.812	16	.177	88	63	84	65	39	26

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to the Smithsonian tables.
b According to tables used by the observer.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 14th.
e Same amount on the 30th.
f For the last nineteen days of the month only.
g Same amount on the 29th.
h Simmons's organic hygrometer.
i Mean relative humidity for the month, 72.1.

No. 34.—PSYCHROMEMER, SEPTEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA*.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date	Force.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
Berryville	.427	.451	.442	12	.701	29	.175	86	55	78	70	31	52
Crack Whip	.426	.490	.440	5	.731	30	.175	91	63	89	83	37	76
Kanawha (*a*)	.455	.602	.528	14	.877	29	.218	85	60	86	67	39	73
Rose Hill	.350	.523	.540	12	.813	30	.216	77	58	71	46	41	49
Sa'em	.541	.625	.558	19	1.087	29	.218	79	72	79	66	49	50
NORTH CAROLINA—													
Murfreesborough (*b*)	.617	.734	.674	18	.948	30	.335	87	74	86	71	50	70
Warrenton	.559	.629	.589	17	*c*.895	7	.188	82	67	76	33	51	58
SOUTH CAROLINA—													
All Saints	.660	.730	.719	18	.969	30	.232	85	72	80	61	34	65
Camden	.595	.585	.623	19	.908	30	.123	80	54	77	65	18	47
Charleston, [Dawson] (*d*)	------	------	------	----	------	----	------	------	------	------	------	------	------
GEORGIA—													
Angusta	.633	.637	.523	2	1.060	19	.000?	81	54	54	47	35	0?
Hillsborough	.521	.480	.497	19	*e*.772	30	.116	77	42	60	56	14	34
Philomath	.559	.595	.601	18	.909	30	.327	76	61	67	65	38	46
Savannah	.628	.650	.689	16	.890	30	.242	79	58	78	50	34	58
FLORIDA—													
Jacksonville	.780	.869	.815	2	1.114	10	.611	86	78	89	62	59	75
Warrington	.847	1.028	.871	29	1.296	23	.549	93	91	93	82	83	87
ALABAMA—													
Auburn	.480	.426	.454	16	.789	24	.048	58	36	52	10	13	24
Carlowville	.570	.780	.617	9	1.024	30	.283	76	68	78	45	34	49
Greensborough (*b*)	.507	.513	.537	18	.866	29	.183	86	52	74	59	25	33
MISSISSIPPI—													
Columbus	.555	.610	.626	14	.956	30	.276	90	55	83	79	34	57
TEXAS—													
Austin	.616	.610	.614	28	.877	26	.355	80	54	70	60	31	37
TENNESSEE—													
Glenwood	.530	.603	.599	14	.843	30	.244	93	65	93	88	42	81
Memphis	.575	.553	.615	15	.891	29	.221	76	53	80	63	27	55
KENTUCKY—													
Springdale (*b*)	.435	.649	.621	16	1.149	30	.181	95	63	82	87	42	48
OHIO—													
Cincinnati, [Harper]	.514	.660	.558	18	.962	29	.245	84	63	70	72	50	56
Hillsborough	.505	.538	.527	18	.787	29	.206	99	66	87	92	33	45
Medina	.463	.509	.448	11	.955	30	.179	81	61	83	62	40	46
Perrysburg (*b*)	.467	.611	.492	15	.983	29	.195	87	69	82	78	49	65
Savannah	.499	.658	.539	9	.983	30	.000	96	64	99	79	0	90
MICHIGAN—													
Marquette	.350	.397	.368	9	.924	5	.033	77	62	79	23	40	5
INDIANA—													
New Albany	.549	.670	.567	16	1.111	28	.213	86	64	83	71	24	59
New Harmony	.567	.640	.617	17	.915	29	.285	90	68	89	75	39	81
ILLINOIS—													
Batavia	.485	.516	.533	12	.812	30	.216	97	55	97	83	22	83
Manchester (*b*)	.540	.691	.566	16	1.038	29	.273	93	75	91	85	52	49
Peoria	.506	.501	.545	16	.809	28	.218	86	54	81	75	31	61
MISSOURI—													
St Louis	.541	.589	.566	30	.812	22	.198	83	59	77	73	39	28
WISCONSIN—													
Appleton	.421	.585	.445	26	.931	15	.207	82	73	82	51	42	66
Madison, [Sterling]	.427	.422	.441	12	.731	29	.165	50	56	79	38	32	48
Waukesha	.387	.459	.411	1	.863	29	.139	76	61	77	38	35	37
IOWA—													
Fairfield	.420	.432	.393	10	.850	21	*f*.189	73	50	65	50	28	31
Muscatine	.566	.591	.590	10	.877	30	.321	86	80	84	77	35	54

a Observations interrupted from the 19th to the 27th, inclusive.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 19th.
d Mean force of vapor for the month, .676; obtained approximately from the mean dew point.
e Same amount on the 18th.
f Same amount on the 30th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
UTAH—													
Great Salt Lake City (*a*)	.292	.199	------	6	.456	13	*b*. 030	68	28	------	13	3	------
CALIFORNIA—													
Sacramento	.386	.423	.437	14	.551	26	.308	72	53	66	53	27	49
San Francisco	.450	.462	.445	10	*c*. 536	28	.315	89	68	92	54	30	49
MEXICO—													
Vera Cruz (*a*)	.803	------	.844	----	------	----	------	77	------	79	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.811	1.012	.951	20	1.121	12	.706	92	75	81	86	66	72
AZORES—													
Horta, Fayal	.538	.565	.526	13	.739	29	.376	85	76	86	69	65	67

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Same amount on the 21st.

c Same amount on the 23d.

No. 35.—PSYCHROMETER, OCTOBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal (*a*)	.225	.263	.241	12	.576	21	.090	81	70	78	47	38	59
Montreal (*b*)	.224	.265	.243	12	.576	21	.090	81	69	79	54	38	61
St. Martin (*a*)	.225	.331	.257	13	.562	22	.091	87	78	89	63	63	79
St Martin (*b*)	.217	.211	.240	13	.580	22	.096	89	75	88	65	53	67
Toronto (*c*)	.225	.267	.236	12	.447	20	.105	84	70	80	57	46	57
Windsor	.308	.327	.299	16	.655	23	.114	91	70	86	65	47	61
Wolfville	.307	.307	.305	16	.659	22	.108	91	66	84	62	40	58
MAINE—													
Cornish, [West] (*d*)	.269	.300	.298	13	.503	21	.096	95	65	91	73	34	68
Gardiner (*d*)	.272	.343	.285	16	.583	18	.126	94	77	95	49	46	74
NEW HAMPSHIRE—													
Francestown, [Bixby] (*d*)	.258	.284	.270	13	.510	22	.076	83	72	81	45	17	56
Francestown, [Root]	.246	.265	.272	15	.487	1	.094	81	61	77	52	20	43
MASSACHUSETTS—													
Amherst	.272	.317	.308	13	.637	20	.111	92	66	89	66	33	62
Cambridge (*e*)								81	73	77	71	56	60
Lawrence	.266	.269	.312	14	.685	21	.092	90	62	88	71	27	67
Nantucket	.332	.341	.336	16	.685	21	.106	76	68	80	54	26	42
New Bedford	.317	.326	.329	13	.617	20	.099	90	65	87	70	29	53
Newburyport	.283	.343	.321	16	.613	23	.158	88	74	87	50	35	61
Princeton	.256	.274	.264	15	.611	17	.071	84	67	80	62	32	21
Westfield	.249	.291	.303	13	.592	20	.084	84	62	88	56	30	68
Worcester	.241	.288	.295	13	.583	17	.025	86	62	85	41	5	50
CONNECTICUT—													
Pomfret	.288	.346	.313	13	.644	20	*f*. 130	93	77	89	76	45	69
Wallingford	.276	.319	.312	13	.642	20	.095	89	63	84	65	29	57
NEW YORK—													
Bellport	.313	.366	.320	13	*g*. 591	22	.056	87	78	87	49	32	16
Blackwell's Island	.295	.355	.348	13	.612	22	.146	73	71	80	47	33	57
Clinton	.239	.281	.225	13	.576	20	.103	75	65	75	47	15	51
New York City	.304	.330	.334	13	.631	20	.094	76	63	75	41	33	38
Oswego	.280	.345	.291	13	.576	25	.086	94	85	85	70	63	24
Ovid	.240	.272	.253	13	.491	20	.113	82	71	78	61	43	55
Pompey	.045	.044	.043	13	.076	17	.007	77	68	72	12	29	35
Spencertown	.279	.350	.310	13	.549	17	.159	86	74	85	71	41	70
Waterford	.271	.308	.298	13	.563	21	*h*. 142	89	72	88	70	48	70
NEW JERSEY—													
Bloomfield	.305	.435	.353	7	.812	20	.117	86	73	89	53	34	51
PENNSYLVANIA—													
Chromedale	.298	.323	.235	14	.655	21	.106	86	64	85	49	35	46
Easton	.274	.295	.308	13	.610	20	.085	85	60	84	52	31	60
Mount Joy	.346	.440	.411	14	.717	20	.168	82	70	78	64	39	55
Murrysville	.281	.308	.290	13	.524	19	.077	89	66	88	75	44	71
Norristown	.285	.294	.301	13	.608	19	.074	81	60	77	47	25	38
Philadelphia	.298	.337	.342	13	.645	19	.116	76	58	75	50	32	58
Westtown (*c*)	.368	.466	.380	13	.737	27	.133	94	82	88	85	57	37
DELAWARE—													
Newark	.322	.383	.341	13	.666	21	.142	86	69	83	56	43	63
MARYLAND—													
Annapolis	.332	.354	.371	14	.675	20	.113	86	64	78	48	33	53
Frederick	.288	.327	.325	14	.622	20	.140	82	63	82	20	37	62
DISTRICT OF COLUMBIA—													
Washington, [Smith. Inst.]	.331	.354	.354	14	.733	20	.099	88	63	82	43	29	43
VIRGINIA—													
Berryville	.263	.298	.287	13	.591	20	.079	76	59	75	12	27	50
Crack Whip (*c*)	.284	.360	.313	13	*g*. 559	20	.078	86	68	78	50	44	36

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Imperfect.
e Simmons's organic hygrometer.
f Same amount on the 21st.
g Same amount on the 14th.
h Same amount on the 22d.

No. 35.—PSYCHROMETER, OCTOBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—Continued.	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches.*						
Rose Hill	.356	.359	.362	14	.685	20	.137	76	62	70	33	36	57
Salem	.310	.329	.327	14	.626	4	.153	75	70	72	58	53	32
NORTH CAROLINA—													
Murfreesborough	.406	.503	.444	14	.785	21	.191	92	79	90	76	65	67
Warrenton	.366	.442	.395	14	.785	22	.150	85	75	77	62	53	42
SOUTH CAROLINA—													
All Saints	.431	.485	.466	14	.785	21	.142	83	68	79	51	41	56
Camden	.342	.399	.383	14	.813	21	.160	85	58	83	61	32	58
Charleston, [Dawson] (*a*)													
GEORGIA—													
Augusta	.358	.424	.363	13	.772	1	.175	77	64	69	50	37	35
Hillsborough	.330	.313	.336	14	.612	21	.013	78	46	66	51	2	40
Savannah	.422	.455	.464	12	.770	21	.177	82	63	78	43	34	46
FLORIDA—													
Jacksonville	.547	.606	.567	14	.873	31	.244	87	75	91	68	47	68
Warrington	.595	.812	.643	15	1.101	30	.361	91	92	91	76	81	76
ALABAMA—													
Auburn	.299	.312	.307	14	.612	21	.099	66	45	58	32	16	28
Carlowville	.325	.625	.388	22	1.023	29	.096	73	75	77	37	36	37
Greensborough (*b*)	.359	.338	.357	13	.644	31	.068	85	50	71	60	22	13
MISSISSIPPI—													
Columbus	.360	.405	.412	13	.667	20	.174	88	59	83	59	38	52
TEXAS—													
Austin	.504	.553	.525	4	.874	16	.218	86	66	62	64	33	54
TENNESSEE—													
Glenwood	.335	.401	.371	10	.655	20	.162	90	68	88	69	42	63
Memphis	.367	.360	.392	12	.648	21	.129	84	54	80	54	27	53
KENTUCKY—													
Springdale (*b*)	.299	.391	.370	11	.914	21	.123	96	68	78	73	43	54
OHIO—													
Belle Centre	.284	.337	.286	13	.626	21	.129	96	69	89	82	54	71
Cincinnati, [Harper]	.314	.388	.340	12	.644	20	.127	83	65	76	62	48	56
Cincinnati, [Hurtt]	.268	.358	.291	11	.691	27	.064	77	62	74	33	19	26
Cleveland (*c*)								30	31	29			
Hillsborough	.307	.327	.337	12	.583	20	.142	93	73	88	67	44	63
Medina	.286	.290	.294	12	.543	19	.034	90	68	86	46	20	7
Perrysburg (*b*)	.278	.352	.301	12	.617	21	.129	86	73	81	58	55	63
Savannah	.309	.454	.356	5	.666	25	.123	99	80	97	72	57	63
MICHIGAN—													
Marquette	.203	.249	.223	11	.417	2	.087	78	64	80	34	40	43
INDIANA—													
New Albany (*b*)	.320	.415	.333	11	.738	21	.123	86	69	82	66	43	51
New Harmony	.327	.374	.646	12	.599	21	.142	89	64	87	71	47	59
ILLINOIS—													
Manchester (*b*)	.295	.404	.337	10	.628	20	.129	93	73	93	81	57	79
Peoria	.296	.322	.330	11	.586	20	.114	92	61	87	80	40	67
MISSOURI—													
St. Louis	.310	.405	.347	1	1.027	26	.126	85	69	82	73	30	34
WISCONSIN—													
Appleton	.244	.344	.245	6	.658	28	.058	87	76	81	54	15	21
Madison, [Sterling]	.252	.255	.265	11	.543	19	*d*. 076	86	63	78	52	32	45
Waukesha	.242	.288	.219	6	*e*. 570	21	*f*. 000	84	65	70	15	13	0
IOWA—													
Fairfield	.221	.237	.214	11	.536	16	.047	73	51	59	45	17	27
Muscatine	.339	.369	.374	5	.658	20	.173	84	79	84	71	38	69

a Mean force of vapor for the month, .448; obtained approximately from the mean dew point.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Wooden hygrometer.
d Same amount on the 20th.
e Same amount on the 10th.
f Same amount on the 31st.

No. 35.—PSYCHROMETER, OCTOBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches*						
UTAH—													
Great Salt Lake City (*a*)	.203	.114	------	3	.433	4	*b*.000	72	25	------	0	0	------
CALIFORNIA—													
Sacramento	.313	.365	.378	3	*c*.483	19	.143	72	56	71	43	36	33
San Francisco	.421	.418	.434	3	*d*.518	30	.323	89	63	88	53	29	52
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*)	.790	.948	.910	3	1.097	30	.558	88	69	77	73	56	50
AZORES—													
Horta, Fayal	.466	.482	.461	10	.700	28	.308	83	75	83	65	64	65

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 5th, 6th, 7th, 19th, 20th, 25th, 29th, and 31st.
c Same amount on the 6th.
d Same amount on the 4th.

No. 36.—PSYCHROMETER, NOVEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
KANSAS—													
Leavenworth City	.153	.177	.158	28	.361	3	.036	87	70	84	65	35	61
CALIFORNIA—													
Sacramento	.258	.304	.296	5	.491	11	.095	73	64	72	39	29	32
San Francisco	.358	.388	.393	7	.563	11	.139	84	71	89	39	36	48
WEST INDIES—													
St. George's, Bermuda (*a*)	-----	-----	-----	----	-----	----	-----	-----	-----	-----	-----	-----	-----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.787	.866	.852	3	1.023	23	.704	91	67	76	82	59	68

a Mean force of vapor for the month, .618; mean relative humidity for the month, 87.3.

b For changes in hours of observation, &c., see table of the thermometer for this month.

No. 37.—PSYCHROMETER, DECEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Montreal (*a*)	.108	.121	.109	1	.225	25	.005	75	71	69	09	23	23
Montreal (*b*)	.109	.122	.109	1	.225	27	.001	74	73	69	02	23	23
St. Martin (*a*)	.115	.141	.121	1	.282	27	.018	84	78	81	67	63	61
St. Martin (*b*)	.102	.130	.110	1	.202	27	.020	86	82	86	73	66	59
Toronto (*c*)	.147	.160	.143	9	.250	27	.047	83	76	82	60	55	68
Windsor	.131	.157	.146	18	.348	27	.044	87	87	85	73	50	56
Wolfville	.122	.129	.133	18	.348	12	.035	81	70	78	55	40	61
MAINE—													
Portland	.131	.146	.138	18	.329	26	.048	83	70	77	47	43	52
NEW HAMPSHIRE—													
Francestown, [Bixby] (*c*)	.122	.128	.123	1	.273	11	.036	76	60	75	46	27	47
VERMONT—													
Burlington	.119	.132	.134	18	.278	27	.044	83	73	82	55	49	57
Norwich (*d*)	------	------	------	----	------	----	------	23	23	23	15	15	14
St. Johnsbury	.094	.109	.103	18	.221	12	.020	81	66	72	33	35	47
MASSACHUSETTS—													
Amherst	.145	.161	.147	1	.314	27	.041	89	72	82	54	39	61
Bridgewater (*c*)	.187	.196	.177	1	.426	27	.063	94	75	86	67	36	56
Cambridge (*e*)	------	------	------	----	------	----	------	81	75	78	68	61	58
Lawrence	.125	.152	.140	18	.388	27	.031	76	66	76	45	29	38
Nantucket	.188	.181	.193	10	.391	20	.064	73	63	78	52	33	52
New Bedford	.174	.178	.173	1	.388	27	.064	86	69	83	62	24	55
Newburyport	.194	.193	.166	18	.403	12	.053	89	78	89	58	55	50
Princeton	.130	.149	.133	18	.337	11	.036	82	78	81	51	33	48
Westfield	.134	.135	.144	18	.305	25	.024	82	58	78	45	22	49
Worcester	.139	.176	.130	10	*f*. 311	25	.020	75	73	68	27	39	20
CONNECTICUT—													
Pomfret	.155	.179	.148	18	.374	27	.060	89	75	83	57	37	62
Wallingford	.159	.162	.144	18	.365	27	.042	87	62	78	60	28	53
NEW YORK—													
Bellport	.187	.180	.183	7	.354	4	.053	87	69	84	49	18	37
Clinton	.122	.140	.117	18	.282	26	*g*. 005	66	59	66	19	5	29
Fort Edward	.131	.149	.131	18	.300	25	.031	86	77	81	49	37	36
New York city	.178	.182	.162	18	.385	25	.043	74	61	68	44	36	32
Ovid	.133	.149	.139	9	.334	25	.047	69	66	70	45	23	39
Pompey	.033	.030	.031	9	.057	7	.009	82	70	77	39	15	32
NEW JERSEY—													
Bloomfield	.183	.191	.204	18	.469	11	.075	78	58	82	54	34	46
PENNSYLVANIA—													
Berwick	.201	.211	.181	9	.361	10	.090	81	71	77	41	54	38
Chromedale	.178	.181	.182	9	.540	27	.068	86	64	83	57	35	42
Easton	.161	.155	.157	18	.403	27	.056	82	62	79	48	26	44
Harrisburg, [Hickok]	.156	.151	.154	9	.354	10	.071	74	56	66	36	28	35
Murrysville	.155	.178	.174	9	.473	12	.063	83	67	84	58	34	66
Norristown	.184	.171	.188	9	.543	10	.053	82	60	78	39	18	31
Philadelphia	.187	.184	.193	9	.526	26	.078	79	60	73	56	27	49
Somerset	.166	.208	.185	9	.454	13	.033	93	84	94	38	59	69
Westtown	.179	.202	.196	9	.566	27	.062	89	72	87	64	39	53
DELAWARE—													
Newark (*c*)	.203	.237	.210	9	.556	13	.096	87	66	82	56	46	56
MARYLAND—													
Annapolis	.192	.213	.220	9	.459	12	.090	83	63	78	51	37	52
Baltimore	.181	.185	.184	9	.523	21	.077	74	59	69	36	28	31
Frederick	.189	.201	.198	9	.451	13	.097	86	71	85	65	47	68

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Dalton's hygrometer.
e Simmons's organic hygrometer.
f Same amount on the 1st.
g Same amount on the 27th.

No. 36.—PSYCHROMETER, NOVEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
KANSAS—													
Leavenworth City	.153	.177	.158	28	.361	3	.036	87	70	84	65	35	61
CALIFORNIA—													
Sacramento	.258	.304	.296	5	.491	11	.095	73	64	72	39	29	32
San Francisco	.358	.388	.393	7	.563	11	.139	84	71	89	39	36	48
WEST INDIES—													
St. George's, Bermuda (*a*)	-----	-----	-----	----	-----	----	-----	-----	-----	-----	-----	-----	-----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.787	.866	.852	3	1.023	23	.704	91	67	76	82	59	68

a Mean force of vapor for the month, .618; mean relative humidity for the month, 87.3.

b For changes in hours of observation, &c., see table of the thermometer for this month.

No. 37.—PSYCHROMETER, DECEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a.m.	2 p.m.	9 p.m.	Date.	Amt.	Date.	Amt.	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Montreal (*a*)	.108	.121	.109	1	.225	25	.005	75	71	69	09	23	23
Montreal (*b*)	.109	.122	.109	1	.225	27	.001	74	73	69	02	23	23
St. Martin (*a*)	.115	.141	.121	1	.282	27	.018	84	78	81	67	63	61
St. Martin (*b*)	.102	.130	.110	1	.202	27	.020	86	82	86	73	66	59
Toronto (*c*)	.147	.160	.143	9	.250	27	.047	83	76	82	60	55	68
Windsor	.131	.157	.146	18	.348	27	.044	87	87	85	73	50	56
Wolfville	.122	.129	.133	18	.348	12	.035	81	70	78	55	40	61
MAINE—													
Portland	.131	.146	.138	18	.329	26	.048	83	70	77	47	43	52
NEW HAMPSHIRE—													
Francestown, [Bixby] (*c*)	.122	.128	.123	1	.273	11	.036	76	60	75	46	27	47
VERMONT—													
Burlington	.119	.132	.134	18	.278	27	.044	83	73	82	55	49	57
Norwich (*d*)	------	------	------	----	------	----	------	23	23	23	15	15	14
St. Johnsbury	.094	.109	.103	18	.221	12	.020	81	66	72	33	35	47
MASSACHUSETTS—													
Amherst	.145	.161	.147	1	.314	27	.041	89	72	82	54	39	61
Bridgewater (*c*)	.187	.196	.177	1	.426	27	.063	94	75	86	67	36	56
Cambridge (*e*)	------	------	------	----	------	----	------	81	75	78	68	61	58
Lawrence	.125	.152	.140	18	.388	27	.031	76	66	76	45	29	38
Nantucket	.188	.181	.193	10	.391	20	.064	73	63	78	52	33	52
New Bedford	.174	.178	.173	1	.388	27	.064	86	69	83	62	24	55
Newburyport	.194	.193	.166	18	.403	12	.053	89	78	89	58	55	50
Princeton	.130	.149	.133	18	.337	11	.036	82	78	81	51	33	48
Westfield	.134	.135	.144	18	.305	25	.024	82	58	78	45	22	49
Worcester	.139	.176	.130	10	*f*.311	25	.020	75	73	68	27	39	20
CONNECTICUT—													
Pomfret	.155	.179	.148	18	.374	27	.060	89	75	83	57	37	62
Wallingford	.159	.162	.144	18	.365	27	.042	87	62	78	60	28	53
NEW YORK—													
Bellport	.187	.180	.183	7	.354	4	.053	87	69	84	49	18	37
Clinton	.122	.140	.117	18	.282	26	*g*.005	66	59	66	19	5	29
Fort Edward	.131	.149	.131	18	.300	25	.031	86	77	81	49	37	36
New York city	.178	.182	.162	18	.385	25	.043	74	61	68	44	36	32
Ovid	.133	.149	.139	9	.334	25	.047	69	66	70	45	23	39
Pompey	.033	.030	.031	9	.057	7	.009	82	70	77	39	15	32
NEW JERSEY—													
Bloomfield	.183	.191	.204	18	.469	11	.075	78	58	82	54	34	46
PENNSYLVANIA—													
Berwick	.201	.211	.181	9	.361	10	.090	81	71	77	41	54	38
Chromedale	.178	.181	.182	9	.540	27	.068	86	64	83	57	35	42
Easton	.161	.155	.157	18	.403	27	.056	82	62	79	48	26	44
Harrisburg, [Hickok]	.156	.151	.154	9	.354	10	.071	74	56	66	36	28	35
Murrysville	.155	.178	.174	9	.473	12	.063	83	67	84	58	34	66
Norristown	.184	.171	.188	9	.543	10	.053	82	60	78	39	18	31
Philadelphia	.187	.184	.193	9	.526	26	.078	79	60	73	56	27	49
Somerset	.166	.208	.185	9	.454	13	.033	93	84	94	38	59	69
Westtown	.179	.202	.196	9	.566	27	.062	89	72	87	64	39	53
DELAWARE—													
Newark (*c*)	.203	.237	.210	9	.556	13	.096	87	66	82	56	46	56
MARYLAND—													
Annapolis	.192	.213	.220	9	.459	12	.090	83	63	78	51	37	52
Baltimore	.181	.185	.184	9	.523	21	.077	74	59	69	36	28	31
Frederick	.189	.201	.198	9	.451	13	.097	86	71	85	65	47	68

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to tables used by the observer.
b According to the Smithsonian tables.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Dalton's hygrometer.
e Simmons's organic hygrometer.
f Same amount on the 1st.
g Same amount on the 27th.

No. 37.—PSYCHROMETER, DECEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Berryville	.169	.175	.179	9	.477	13	.077	80	61	76	46	31	44
Montross	.173	.242	.177	9	.577	13	*a*. 038	68	69	68	37	29	27
Rose Hill	.245	.232	.233	9	.612	23	.071	77	63	71	54	23	52
Salem	.242	.274	.280	9	.536	27	.123	80	73	79	70	53	68
NORTH CAROLINA—													
Murfreesborough	.306	.408	.352	9	.772	27	.167	97	89	93	91	76	89
SOUTH CAROLINA—													
All Saints	.335	.386	.363	9	.695	26	.155	87	71	86	58	38	57
Camden	.267	.322	.281	8	.662	27	.118	93	64	84	66	29	42
Charleston, [Dawson] (*b*)													
GEORGIA—													
Athens	.256	.285	.289	9	.640	11	.131	90	64	80	55	26	43
Hillsborough	.270	.285	.301	8	.649	10	.094	81	56	73	50	22	41
Savannah	.351	.382	.376	9	.725	11	.167	85	64	80	62	39	53
FLORIDA—													
Jacksonville	.461	.544	.475	8	.843	11	.203	90	79	89	74	68	74
Warrington	.501	.741	.497	6	*c*. 977	24	.335	94	93	94	93	61	81
ALABAMA—													
Auburn	.250	.264	.267	9	.641	12	.121	71	52	65	43	26	29
Carlowville	.329	.475	.373	9	1.023	11	.117	83	76	83	55	32	32
Greene Springs	.322	.362	.323	8	.695	12	.142	87	67	79	60	33	62
Greensborough	.294	.321	.305	8	.708	26	.156	92	65	85	63	31	61
MISSISSIPPI—													
Columbus	.283	.301	.298	8	.671	10	.157	90	65	82	68	36	62
TEXAS—													
Austin	.278	.347	.308	2	.631	9	.157	89	69	79	62	40	40
Goliad	.358	.390	.387	7	.745	9	.155	86	66	82	65	29	44
TENNESSEE—													
Glenwood	.233	.250	.244	8	.639	10	.056	89	63	81	59	16	46
Memphis	.258	.261	.249	8	.618	10	.127	86	61	70	57	33	41
KENTUCKY—													
Springdale (*d*)	.194	.233	.239	8	.543	10	.103	89	74	85	70	45	60
OHIO—													
Bellecentre	.196	.216	.195	9	.469	12	.103	93	76	91	71	54	71
Cincinnati, [Harper]	.200	.243	.207	8	.505	26	.111	84	72	77	70	45	57
Cincinnati, [Hurtt]	.160	.220	.181	8	.483	25	.066	77	75	78	44	39	57
Hillsborough	.193	.203	.197	8	*e*. 466	11	.103	91	75	83	58	42	55
Medina	.172	.184	.172	6	.375	12	.058	84	72	79	66	43	31
Perrysburg (*d*)	.168	.183	.166	6	.334	9	.027	84	67	79	62	8	57
Savannah	.158	.189	.173	6	.374	12	.083	88	78	87	71	43	65
MICHIGAN—													
Marquette	.121	.134	.115	16	.212	8	.000	84	72	78	63	9	0
INDIANA—													
New Harmony	.199	.237	.225	8	.543	27	.123	88	72	88	68	48	51
Richmond	.160	.167	.162	8	.405	10	.073	81	61	71	50	28	40
ILLINOIS—													
Augusta (*f*)	.153	.195	.185	12	.282	22	.082	91	78	91	79	45	69
Manchester (*d*)	.172	.242	.192	13	.394	22	.078	100	85	99	100	48	90
Peoria	.156	.164	.177	8	.270	11	.050	88	64	86	68	26	57
Wheaton	.138	.150	.150	8	.261	29	.000	87	69	88	37	0	70
MISSOURI—													
St. Louis	.182	.188	.186	8	*e*. 362	30	.093	86	63	76	66	28	38
WISCONSIN—													
Appleton	.109	.149	.133	14	.265	19	.013	71	74	78	43	45	58
Madison, [Sterling] (*g*)	.140	.169	.157	13	.262	21	.049	84	83	86	37	60	73
St. Croix	.114	.147	.126	15	.237	22	.042	96	84	95	82	40	75
Waukesha	.125	.126	.130	6	.222	26	.000	81	67	78	37	25	02

a Same amount on the 26th.
b Mean force of vapor for the month, .361; obtained approximately from the mean dew point.
c Same amount on the 31st.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 6th.
f For the last 25 days of the month only.
g Imperfect.

No. 37.—PSYCHROMETER, DECEMBER, 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
IOWA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Fairfield	.124	.145	.131	15	.218	22	.033	77	61	69	43	24	40
Muscatine	.398	.451	.441	14	.604	5	.283	70	68	69	54	53	56
Sioux City	.117	.167	.136	16	.232	10	.048	91	85	95	81	51	88
MINNESOTA—													
Wabashaw	.163	.278	.257	7	.491	10	.059	77	76	79	45	55	56
KANSAS—													
Leavenworth City	.174	.218	.187	16	.348	24	.088	93	75	85	74	50	45
CALIFORNIA—													
Sacramento	.227	.270	.261	5	.348	21	.123	82	73	79	63	30	48
San Francisco	.303	.327	.335	4	.469	21	.203	89	74	89	77	42	79
MEXICO—													
Vera Cruz (*a*)	.650	------	.685	----	------	----	------	79	------	81	------	------	------
WEST INDIES—													
St. George's, Bermuda (*b*)	------	------	------	---	------	----	------	------	------	------	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.773	.811	.819	18	1.023	5	.693	91	72	82	85	59	74

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean force of vapor for the month, .558; mean relative humidity for the month, 81.1.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	14	0	4	5	22	24	16	0	93	5	13	0	3	6	21	10	12	70
St. John's	3	9	0	3	15	6	8	49	0	93									
St. Martin	1	30	1	6	1	20	8	26	0	93									
Stanbridge	7	4	3	19	19	8	22	6	5	93									
Toronto	4	8	4	3	1	28	6	38	1	93									
Wolfville	0	12	16	2	3	10	28	19	2	92	1	11	15	1	3	13	23	13	80
MAINE—																			
Carmel	1	15	0	2	0	12	10	38	11	89	0	13	0	2	0	7	4	10	36
Cornish, [Guptill]	2	8	3	4	4	9	4	59	0	93	0	0	0	0	0	2	0	1	3
Cornish, [West]	15	16	2	1	8	16	20	15	0	93	4	1	1	0	2	9	7	8	32
Gardiner	3	33	0	6	0	9	0	20	20	91	5	0	0	1	0	6	3	4	19
Monson	12	9	5	2	8	1	12	41	3	93									
Perry	9	15	1	1	0	7	12	48	0	93	12	1	0	0	0	5	11	17	49
Portland	25	17	1	0	4	11	15	20	0	93	1	0	0	1	0	3	4	1	10
Steuben	3	41	1	3	0	9	2	33	1	93	0	9	0	1	0	14	7	11	42
NEW HAMPSHIRE—																			
Concord	0	19	0	4	0	4	0	66	0	93									
Francestown, [Bixby]	12	28	1	0	0	6	8	38	0	93	6	32	5	0	0	1	13	35	92
Great Falls	1	19	0	0	1	20	8	44	0	93	0	0	0	0	0	3	0	0	3
Manchester	9	12	0	2	6	7	19	38	0	93	10	11	0	1	2	7	28	9	68
North Barnstead	3	20	1	3	3	14	18	31	0	93	2	5	0	0	0	0	0	25	32
Shelburne	0	0	16	0	0	0	71	0	0	87	3	0	1	2	0	3	6	51	66
Stratford	0	6	6	0	1	2	13	13	2	43	0	0	0	0	0	5	7	13	25
West Enfield	8	0	5	3	11	11	10	45	0	93	19	0	5	7	1	7	8	23	70
VERMONT—																			
Brandon	28	0	3	2	34	2	5	16	0	90	1	0	0	0	0	2	9	10	22
Craftsbury	9	12	2	3	29	4	5	27	0	91	6	1	0	0	2	4	9	12	34
Norwich	3	4	0	4	2	0	0	1	4	18	0	3	0	1	0	2	0	2	8
Rupert	0	0	10	12	5	0	0	0	0	27	0	26	7	19	2	4	0	2	60
Shelburn	32	5	4	0	34	1	0	15	0	91	3	5	2	9	0	0	0	0	19
MASSACHUSETTS—																			
Amherst	2	8	1	22	3	0	1	53	0	90	0	1	1	0	1	1	6	10	20
Boston	5	2	1	0	1	6	3	12	1	31									
Bridgewater	9	17	5	2	1	15	4	40	0	93	0	1	2	4	4	7	0	0	18
Cambridge	7	9	2	5	2	13	12	30	12	92									
Canton	14	5	3	5	12	5	22	24	3	93	2	0	0	0	1	2	3	3	11
Florida	0	9	0	13	7	11	6	47	0	93	0	9	0	16	2	18	4	32	81
Lawrence	0	7	0	1	0	5	0	16	0	29									
Mendon	2	21	4	0	0	23	0	43	0	93	1	17	8	0	0	19	2	25	72
Nantucket	5	14	3	5	6	2	5	53	0	93									
New Bedford	7	17	1	1	2	16	1	48	0	93	0	2	0	1	0	0	1	4	8
Newburyport	14	7	4	2	5	2	22	13	0	69									
North Attleborough	19	9	1	4	12	6	9	33	0	93	18	9	2	1	14	4	7	7	62
Richmond	0	18	0	14	1	8	0	52	0	93	0	13	0	10	1	9	1	33	67
Westfield	14	11	1	5	5	6	25	17	0	84									
Weymouth	5	10	0	2	0	11	4	30	0	62									
Williamstown	11	1	2	26	9	4	11	26	1	91									
Worcester	18	17	0	4	6	6	17	25	0	93									
RHODE ISLAND—																			
Providence	7	21	1	2	3	13	5	41	0	93									
CONNECTICUT—																			
Columbia	1	8	8	33	6	16	1	0	20	93	0	5	1	0	1	5	0	17	29
Georgetown	16	20	8	2	0	9	5	29	3	92	1	0	3	0	0	2	5	4	15
New London	12	12	0	1	2	12	7	47	0	93									
Norwich	5	11	3	8	5	9	10	26	14	91									
Pomfret	5	19	2	2	2	14	2	47	0	93	2	12	0	2	1	7	0	20	44
Saybrook	10	17	2	2	3	3	14	23	7	81	2	0	2	0	0	2	5	6	17
Wallingford	20	13	2	1	5	8	7	31	4	91	3	1	1	0	0	3	12	7	27
NEW YORK—																			
Angelica	0	4	1	13	4	26	21	21	0	93	0	0	0	1	0	30	20	5	56
Baldwinsville	15	0	18	2	1	5	24	26	0	91	1	0	0	0	0	0	30	37	68
Beverly	4	21	0	2	3	23	1	36	0	90	3	15	1	2	3	22	10	11	67

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Blackwell's Island	25	4	2	7	0	15	16	24	0	93	25	4	2	7	0	15	16	24	93
Cazenovia	7	0	0	6	17	12	12	32	0	86	3	0	2	8	4	3	15	27	62
Clinton	6	4	6	6	6	22	12	28	1	91	1	0	4	2	3	6	14	9	39
Fishkill Landing	1	42	5	9	3	15	7	11	0	93	0	0	4	0	0	0	13	3	20
Flatbush	11	16	3	0	6	6	24	27	0	93	2	4	5	0	0	2	4	17	34
McGrawville	0	0	9	19	0	8	35	19	0	90									
Mexico	11	7	5	27	6	6	11	20	0	93	1	0	0	0	1	1	14	5	22
Morrisania	23	4	9	8	7	10	16	16	0	93									
New York city	2	14	0	6	0	14	18	39	0	93	1	3	2	3	0	25	30	5	69
Nichols	15	1	1	1	9	0	1	1	2	31									
Ogdensburg	6	5	2	1	3	9	3	5	0	34									
Oswego	14	5	12	13	16	5	16	11	1	93									
Ovid	7	6	0	12	9	17	13	29	0	93	4	2	0	9	9	18	10	29	81
Penn Yan	8	8	1	0	8	25	37	6	0	93									
Plainville	8	4	13	7	18	6	31	4	0	91	0	0	2	1	1	0	6	0	10
Rochester, [Harkness]	16	1	7	2	12	5	21	7	22	93									
Rochester, [Palmer]	6	2	2	7	17	14	26	19	0	93	3	4	1	5	12	12	26	19	82
Sag Harbor	13	9	4	2	6	12	10	37	0	93	0	5	1	1	1	9	10	7	34
Saratoga	2	16	1	1	7	32	7	27	0	93	8	15	1	1	7	27	15	19	93
Spencertown	25	7	2	8	16	5	2	28	0	93	12	1	0	3	9	3	11	21	60
Townsendville	10	1	1	17	6	11	13	31	1	91	0	0	0	0	0	2	4	10	16
Troy	3	3	1	1	9	7	21	31	17	93	1	1	0	0	0	1	1	1	5
Utica	21	0	0	10	6	1	7	24	24	93									
Wampsville	2	0	10	6	14	5	52	4	0	93	2	0	12	7	13	5	42	4	85
NEW JERSEY—																			
Bloomfield	1	7	0	0	0	21	10	48	0	87									
Burlington	7	13	7	6	1	9	25	25	0	93	4	0	0	0	1	4	11	13	33
Lambertville	6	12	0	6	3	11	5	44	0	87									
Newark	4	13	2	0	1	13	1	27	0	61									
Sergeantsville	1	6	7	38	20	18	1	1	0	92	0	6	3	27	13	20	1	0	70
PENNSYLVANIA—																			
Bedford	0	0	0	7	1	15	2	48	0	73	0	0	0	6	0	14	2	31	53
Berwick	1	1	24	8	1	4	39	14	1	93									
Byberry	0	2	0	0	0	0	0	8	0	10	0	0	0	0	0	0	3	6	9
Cannonsburg	0	4	21	1	0	9	55	3	0	93									
Carlisle	1	9	2	6	0	9	9	40	15	91	0	3	1	2	0	4	5	24	39
Easton	9	10	0	7	0	0	10	39	17	92	2	0	0	0	0	2	10	20	34
Fleming	14	2	9	17	6	2	3	36	4	93	7	0	1	3	2	1	10	23	47
Gettysburg	8	12	0	2	7	16	11	30	0	86	4	4	0	0	3	17	16	16	60
Harrisburg, [Heisely]	9	2	2	23	6	0	7	42	0	91	2	0	0	0	2	0	1	17	22
Lewisburg	12	6	4	3	3	16	18	14	17	93	1	0	0	1	2	5	11	6	26
Lima	6	18	2	4	4	3	0	39	17	93	1	1	0	0	0	6	10	15	33
Meadville	0	0	1	5	21	5	12	17	28	89	1	0	1	1	7	8	14	15	47
Morrisville	4	17	2	4	3	14	17	26	6	93	2	13	1	1	1	12	11	16	57
Moss Grove	3	0	7	7	11	20	33	12	0	93	0	0	1	4	1	12	43	14	75
Nazareth	17	12	2	0	1	10	16	18	13	89	9	0	0	0	0	2	6	9	26
Norristown	0	2	15	7	0	7	28	22	0	81	0	0	11	0	0	8	39	5	63
North Whitehall	5	15	3	3	1	4	7	34	21	93									
Philadelphia	0	12	1	0	0	20	29	31	0	93	0	0	0	0	0	1	4	5	10
Pocopson	4	13	3	3	3	16	28	20	0	90	0	1	0	1	1	0	2	4	9
Shamokin	21	1	34	1	5	1	14	16	0	93	5	0	0	0	1	3	35	12	56
Tarentum	13	3	2	0	1	31	5	18	20	93	3	0	0	0	0	17	20	25	65
West Haverford	4	5	4	0	6	3	4	32	4	62	2	1	2	1	0	2	7	23	38
DELAWARE—																			
Newark, [Craven]	1	15	2	3	1	12	20	36	0	90	0	0	0	0	0	0	6	2	8
MARYLAND—																			
Annapolis	15	18	0	4	9	12	4	23	8	93	0	0	0	0	0	1	0	0	1
Bladensburg	0	10	2	1	0	14	0	29	0	56									
Frederick	13	6	2	0	8	13	13	29	8	92	1	0	0	1	1	0	19	10	32
Ridge	8	13	4	6	6	12	8	33	0	90									
Sykesville	0	11	3	3	2	16	40	18	0	93	0	3	6	0	0	2	60	0	71

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
DISTRICT OF COLUMBIA—																			
Washington, [Arnold]	2	1	0	0	4	4	13	2	7	33									
Washington, [Smith. In.]	1	12	2	5	0	20	8	43	2	93									
VIRGINIA—																			
Alexandria	13	16	4	5	11	5	6	33	0	93									
Ashland	5	1	0	5	1	19	0	19	43	93	1	0	0	0	0	13	4	6	24
Berryville	20	5	0	5	8	3	7	27	5	80	8	0	0	0	0	3	5	4	20
Crichton's Store	26	2	2	2	16	18	17	10	0	93	0	0	0	0	0	25	7	0	32
Kanawha	1	3	1	6	21	7	7	38	8	92	0	5	9	13	1	1	0	0	29
Lewisburg	0	0	0	0	0	0	1	3	0	4	0	0	0	0	0	0	21	2	23
Longwood											2	5	25	15	7	3	7	1	65
Meadow Dale	0	4	0	0	0	0	0	0	0	4									
Montross	10	12	1	7	11	10	13	17	12	93	0	1	17	5	0	0	0	0	23
Mossy Creek	8	17	1	7	5	7	4	44	0	93	8	4	1	1	0	0	2	33	49
Mustapha	9	0	0	0	13	6	3	0	0	31									
Poplar Grove	0	0	8	1	0	1	16	21	46	93	0	1	0	0	0	6	18	16	41
Portsmouth	27	15	2	0	8	13	8	20	0	93									
Rose Hill	15	6	2	2	8	10	5	6	16	70	0	0	0	0	0	0	2	0	2
Smithfield	16	10	5	2	10	19	11	20	0	93	3	2	1	2	1	8	15	16	48
Winchester	2	6	2	0	0	1	7	24	51	93									
Wirt Court-House	2	0	2	5	2	29	0	20	33	93	1	0	0	1	4	53	0	16	75
NORTH CAROLINA—																			
Chapel Hill	14	5	4	0	3	24	19	24	0	93	2	4	0	0	0	25	4	4	39
Goldsborough	11	5	4	2	4	3	15	7	8	59									
Murfreesborough	1	19	1	5	1	17	16	18	15	93	0	10	0	0	1	10	23	8	52
SOUTH CAROLINA—																			
All Saints	19	4	3	5	6	20	16	20	0	93	6	2	1	0	2	14	18	6	49
Camden	14	28	0	1	1	18	8	21	2	93	1	8	1	0	0	6	13	19	48
Charleston, [Dawson]	4	19	2	1	0	12	5	19	0	62									
Charleston, [Johnson]	5	10	0	2	0	4	1	13	0	35									
Edisto Island	7	22	1	0	2	12	7	21	4	76	0	1	0	0	0	6	11	6	24
GEORGIA—																			
Augusta	18	10	2	0	6	7	10	10	0	63									
Factory Mills	0	5	19	2	1	2	48	8	0	85									
Savannah	16	4	14	9	7	9	8	26	0	93	0	0	0	0	1	4	8	1	14
Sparta	6	7	10	4	4	21	10	29	0	91	2	3	4	1	0	2	16	14	42
The Rock	5	7	5	13	2	7	3	51	0	93	0	0	0	0	0	1	0	0	1
Whitemarsh Island	5	19	2	4	4	5	5	21	28	93	1	3	0	1	0	5	11	8	29
Zebulon	17	2	13	4	3	7	32	15	0	93	9	1	0	1	3	1	14	7	36
FLORIDA—																			
Atsena	15	28	4	8	9	4	4	19	2	93	0	5	1	1	2	10	3	8	30
Belair	18	16	20	9	0	0	4	6	20	93	2	7	1	0	0	5	12	26	53
Gainesville	11	10	10	5	3	16	4	34	0	93									
Jacksonville	3	26	1	4	6	16	2	35	0	93	0	2	3	4	1	19	12	1	42
St. Augustine	10	29	0	4	0	13	3	34	0	93	2	6	1	9	1	16	6	11	52
Salt Ponds	22	17	9	2	2	1	0	7	2	62									
Warrington	6	37	0	2	0	15	1	32	0	93	0	5	0	9	1	20	1	1	37
ALABAMA—																			
Auburn	20	5	3	14	14	8	15	14	0	93	5	3	3	8	12	7	3	13	54
Carlowville	12	5	2	7	45	8	3	7	0	89	0	0	0	0	8	1	1	1	11
Greene Springs	11	11	3	3	7	29	5	15	1	85	0	0	0	1	6	8	0	2	17
Greensborough	5	2	2	18	5	10	5	46	0	93	6	0	0	4	3	5	21	14	53
MISSISSIPPI—																			
Columbus	26	9	9	16	5	0	14	13	1	93	6	0	1	0	2	3	8	12	32
Port Gibson	20	14	8	4	14	9	8	10	6	93									
LOUISIANA—																			
Black River	41	4	6	15	15	0	2	10	0	93	5	0	0	0	2	10	1	3	21
New Orleans	0	68	0	8	0	3	0	14	0	93									
Trinity	17	18	36	5	10	2	2	3	0	93	2	0	7	3	5	2	4	0	23
TEXAS—																			
Austin	41	1	1	10	20	1	2	10	0	89	23	0	0	7	12	1	8	6	57
Helena	57	9	6	0	19	1	0	1	0	93	6	0	0	1	6	5	1	1	20
New Braunfels	33	4	10	0	15	1	1	4	25	93									

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
Union Hill	46	0	1	5	25	16	0	0	0	93	25	4	1	12	18	18	4	0	82
Washington	38	0	0	0	48	0	0	0	0	86	42	0	0	1	44	0	0	0	87
TENNESSEE—																			
Glenwood	18	12	1	11	6	11	3	25	6	93	2	1	0	1	1	4	28	11	48
Walnut Grove	2	0	0	0	2	2	12	7	68	93	0	0	0	0	0	2	10	6	18
KENTUCKY—																			
Danville	8	9	5	0	3	22	23	23	0	93	1	4	0	0	0	11	26	7	49
Millersburg	6	0	3	2	3	5	20	17	35	91	1	0	0	0	0	1	13	1	16
Paris	5	9	0	2	5	22	32	18	0	93	1	2	0	0	0	4	24	0	31
Springdale	6	11	7	2	5	19	14	8	21	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	12	1	4	0	3	16	30	27	0	93	0	0	0	0	0	0	1	0	1
Cincinnati, [Hartt]	17	0	0	0	5	19	26	15	10	92	1	0	0	0	7	14	17	3	42
Cleveland	5	5	3	8	10	8	20	18	11	88	0	0	1	0	2	5	5	2	15
Farmers' College	3	6	0	5	6	16	6	24	27	93	2	2	0	0	4	9	5	8	30
Franklin	3	6	5	19	6	34	9	9	2	93	0	0	0	2	0	11	0	0	13
Gallipolis	----	----	----	----	----	----	----	----	----	----	2	0	1	1	0	8	41	5	58
Germantown	8	5	1	1	7	23	23	15	7	99	3	0	0	0	0	5	16	20	44
Granville	0	8	3	0	0	24	24	1	23	83	0	2	0	0	0	1	8	1	12
Hillsborough	0	17	0	7	0	28	1	39	0	92	1	1	0	0	0	0	1	5	8
Hiram	0	8	1	7	0	33	18	26	0	93	2	4	0	6	0	13	4	10	39
Jefferson	0	9	0	12	0	41	8	20	0	90	1	32	6	18	2	7	0	12	78
Madison, [Atkins]	3	4	1	10	14	9	14	6	1	62	0	0	0	0	1	0	0	1	2
Madison, [Cunningham]	3	9	2	11	6	30	14	8	10	93	2	2	0	0	0	18	31	15	68
Oberlin	4	7	0	1	11	12	15	17	2	69	----	----	----	----	----	----	----	----	----
Savannah	1	1	0	16	1	13	13	48	0	93	1	1	0	13	1	13	10	32	71
Sidney	4	0	0	8	1	31	12	12	0	68	0	3	1	3	0	27	12	22	68
Urbana	4	6	2	8	3	21	13	11	25	93	2	0	0	0	0	3	30	13	48
West Bedford	15	2	4	7	7	16	9	11	1	72	3	0	0	0	3	5	9	12	32
Zanesville	21	6	1	1	1	16	13	31	0	93	----	----	----	----	----	----	----	----	----
MICHIGAN—																			
Battle Creek	5	1	9	2	5	19	30	12	10	93	2	0	1	0	0	13	43	14	73
Cooper	3	0	7	0	0	18	56	5	4	93	0	0	4	0	1	0	67	0	72
Copper Falls Mines	31	9	2	8	11	10	6	16	0	93	----	----	----	----	----	----	----	----	----
Grand Rapids, [Streng]	17	5	9	1	12	25	9	15	0	93	12	0	3	0	2	3	53	16	89
Grand Rapids, [Currier]	1	6	6	11	5	15	8	13	28	93	1	0	0	0	0	1	0	7	9
Monroe	29	3	4	1	0	9	3	44	0	93	21	7	4	0	0	12	1	43	88
Romeo	2	4	3	7	10	16	22	19	7	90	1	1	1	1	1	4	8	12	29
INDIANA—																			
Cannelton	5	2	5	8	16	8	7	42	0	93	----	----	----	----	----	----	----	----	----
Michigan City	14	8	4	7	6	35	21	29	0	124	----	----	----	----	----	----	----	----	----
New Harmony	16	0	5	4	5	3	15	19	0	67	0	0	0	0	0	1	5	0	6
Richmond	6	6	4	3	4	25	19	6	19	92	0	0	0	0	0	0	2	1	3
Logansport	14	2	11	0	5	9	42	10	0	93	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	0	8	1	13	1	19	5	41	0	91	0	0	0	0	0	6	21	22	19
Augusta	1	6	6	10	7	9	24	30	0	93	0	2	2	0	5	1	10	6	26
Chicago	5	0	2	3	8	15	43	14	3	93	6	4	1	2	0	17	8	10	48
Fremont Centre	0	2	1	4	12	14	48	12	0	93	----	----	----	----	----	----	----	----	----
Manchester	6	1	3	1	9	11	29	33	0	93	1	0	0	0	2	7	15	6	31
Marengo	2	2	5	4	5	21	17	4	0	93	----	----	----	----	----	----	----	----	----
Ottawa	13	4	3	4	4	7	17	24	2	78	0	0	0	0	0	0	6	1	7
Peoria	13	8	6	2	9	6	38	11	0	93	1	0	0	0	0	0	8	0	9
Pekin	12	1	1	4	10	3	14	15	0	60	----	----	----	----	----	----	----	----	----
Piasa Farms	8	5	2	17	8	12	10	31	0	93	2	0	0	0	1	3	10	10	26
Riley	7	1	2	8	5	9	22	32	6	92	----	----	----	----	----	----	----	----	----
Warsaw	4	4	3	17	5	10	8	42	0	93	0	0	0	0	0	4	12	14	30
West Salem	9	4	2	4	14	5	14	18	23	93	0	0	0	0	0	12	42	5	59
MISSOURI—																			
Cape Girardeau	27	10	0	18	8	10	12	31	8	124	25	4	1	6	3	5	4	8	56
Palmyra	1	2	11	6	3	11	15	45	29	123	1	2	9	3	4	12	15	37	83
St. Louis	9	2	14	10	4	13	36	5	0	93	----	----	----	----	----	----	----	----	----

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—																			
Appleton	7	7	3	2	1	50	5	14	4	93	7	11	1	3	1	44	5	17	89
Beloit	16	0	1	6	17	19	12	22	0	93	0	0	0	0	1	0	2	0	3
Janesville	8	2	5	4	8	4	26	15	21	93	----	----	----	----	----	----	----	----	----
Kenosha	19	0	1	0	1	20	14	19	15	89	----	----	----	----	----	----	----	----	----
Madison, [Sterling]	7	1	1	2	12	17	13	20	1	74	----	----	----	----	----	----	----	----	----
Manitowoc	8	1	2	5	3	16	22	36	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	2	1	1	1	1	5	17	3	0	31	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	2	6	0	2	10	29	43	0	93	----	----	----	----	----	----	----	----	----
New London	11	0	2	0	1	9	43	27	0	93	7	0	0	0	5	7	7	27	53
Norway	2	2	4	3	4	14	45	17	2	93	0	3	0	0	3	9	32	7	54
Platteville	5	1	6	5	4	18	11	43	0	93	3	1	4	0	1	10	12	17	48
Prescott	6	4	2	9	11	21	2	18	20	93	5	5	0	3	0	1	0	7	21
Racine	8	0	1	3	5	9	43	23	1	93	7	0	0	0	0	4	8	3	22
Waukesha	0	5	1	4	1	31	1	46	0	89	----	----	----	----	----	----	----	----	----
IOWA—																			
Bellevue	5	0	3	5	2	6	11	35	0	67	0	0	0	2	0	2	1	8	13
Border Plains	9	4	3	11	6	7	10	42	1	93	2	0	0	1	0	3	6	15	27
Fort Madison	0	7	0	16	0	15	3	52	0	93	1	0	0	1	2	8	28	16	56
Franklin	14	0	4	6	11	6	9	37	6	93	----	----	----	----	----	----	----	----	----
Muscatine	3	6	0	6	2	24	6	46	0	93	0	0	0	0	0	9	2	3	14
Pleasant Plain	12	5	7	5	6	7	14	36	1	93	0	0	0	0	0	8	20	19	47
MINNESOTA—																			
Hazlewood	7	4	0	5	18	5	6	48	0	93	2	0	3	1	0	0	1	1	8
Lake Winnibigoshish	9	2	4	6	13	6	15	19	7	81	1	0	0	0	0	0	1	1	3
Princeton	18	2	4	3	10	15	12	18	11	93	1	0	8	1	9	0	3	2	24
CALIFORNIA—																			
Sacramento	28	2	5	19	20	3	1	15	0	93	2	0	0	4	6	13	1	9	35
San Francisco	10	0	0	6	11	1	3	0	62	93	2	1	0	2	17	8	23	3	56
WEST INDIES—																			
Port of Spain, Trinidad	0	23	38	21	0	3	0	3	0	88	0	25	43	15	0	3	0	2	88
St. George's, Bermuda	1	3	0	3	1	6	9	14	0	30	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	17	46	12	8	2	2	2	4	0	93	1	27	33	20	0	0	0	1	82
AZORES—																			
Horta, Fayal	4	35	0	1	34	10	1	0	8	93	4	25	1	1	20	14	0	2	67

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	10	11	0	2	11	22	13	12	3	84	7	11	0	1	11	16	15	7	68
St. John's	11	8	0	0	7	5	9	44	0	84	----	----	----	----	----	----	----	----	----
St. Martin	0	27	0	10	2	24	1	20	0	84	----	----	----	----	----	----	----	----	----
Stanbridge	7	3	1	13	34	2	10	8	6	84	----	----	----	----	----	----	----	----	----
Toronto	2	12	3	8	5	24	4	20	6	84	----	----	----	----	----	----	----	----	----
Wolfville	1	5	10	2	3	20	15	23	5	84	1	3	4	1	3	17	17	15	61
MAINE—																			
Cornish, [Guptill]	4	1	4	3	10	12	16	34	0	84	1	0	0	0	0	0	1	0	2
Cornish, [West]	3	8	4	1	9	31	15	13	0	84	2	0	1	0	1	7	8	8	27
Gardiner	0	13	0	11	1	19	5	22	13	84	0	1	0	2	5	14	2	6	30
Monson	8	5	4	0	24	7	10	22	4	84	----	----	----	----	----	----	----	----	----
Perry	5	8	3	4	2	28	8	26	0	84	4	0	3	1	2	21	5	3	39
Portland	11	8	0	1	15	19	14	16	0	84	1	0	0	0	2	3	10	7	23
Steuben	0	19	0	2	0	37	2	23	1	84	2	4	0	0	0	7	8	8	29
NEW HAMPSHIRE—																			
Concord	0	14	0	15	3	23	1	28	0	84	----	----	----	----	----	----	----	----	----
Francestown, [Bixby]	4	2	3	2	1	18	16	37	0	83	1	0	5	2	0	14	22	37	81
Francestown, [Root]	2	7	1	6	0	25	6	22	0	69	2	2	1	2	0	10	12	8	37
Londonderry	1	6	3	9	3	7	7	26	22	84	0	4	0	1	0	5	7	8	25
Manchester	3	2	0	0	14	9	3	10	2	43	2	2	0	4	11	6	0	0	25
North Barnstead	6	11	0	0	0	0	17	50	0	84	0	1	10	19	6	13	0	0	49
Shelburne	0	0	10	0	0	0	17	0	3	30	0	3	0	0	0	8	5	4	20
Stratford	0	1	11	0	2	8	13	10	1	46	0	0	0	1	3	16	10	10	40
West Enfield	2	1	0	7	35	8	4	27	0	84	3	1	0	11	14	5	3	21	58
VERMONT—																			
Brandon	18	2	0	3	32	13	7	6	1	82	1	0	0	0	1	18	11	10	41
Craftsbury	3	9	0	7	36	7	9	13	0	84	1	0	0	0	2	8	19	11	41
Norwich	8	0	1	12	10	14	8	26	5	84	15	12	15	10	6	1	0	1	60
Rupert	0	0	9	0	0	3	0	0	0	12	16	32	22	0	0	0	0	0	70
Shelburn	20	1	0	1	45	5	1	10	0	83	0	5	12	9	2	0	0	0	28
MASSACHUSETTS—																			
Amherst	0	4	1	33	2	14	2	28	0	84	0	0	0	1	0	8	10	16	35
Boston	0	1	2	0	3	7	3	8	4	28	----	----	----	----	----	----	----	----	----
Bridgewater	5	9	5	2	3	30	12	18	0	84	0	20	4	8	2	1	2	1	38
Cambridge	3	10	1	1	4	22	10	24	9	84	----	----	----	----	----	----	----	----	----
Canton	5	7	4	5	17	8	13	16	9	84	0	0	0	0	0	0	2	2	4
Florida	0	2	0	9	5	24	8	36	0	84	0	2	0	7	5	23	10	32	79
Lawrence	0	7	1	3	1	37	1	16	0	66	2	0	0	0	0	2	9	1	14
Mendon	0	7	4	1	1	39	2	30	0	84	0	8	4	2	2	29	3	20	68
Nantucket	3	6	2	10	3	31	6	23	1	84	----	----	----	----	----	----	----	----	----
New Bedford	0	8	2	4	1	41	3	25	0	84	1	1	1	0	0	3	3	7	16
Newburyport	1	4	3	1	12	12	28	17	0	78	----	----	----	----	----	----	----	----	----
North Attleborough	5	2	4	2	32	5	13	21	0	84	7	2	2	3	18	11	18	3	64
Plainfield	0	0	2	0	2	9	4	11	0	28	----	----	----	----	----	----	----	----	----
Richmond	0	2	0	4	0	46	0	32	0	84	2	3	0	2	0	35	0	23	65
Southwick	6	5	0	1	20	4	1	14	7	58	0	0	0	0	1	12	2	2	17
Westfield	4	8	10	20	6	10	18	8	0	84	0	0	0	0	0	1	0	0	1
Weymouth	0	0	1	9	1	20	0	25	0	56	----	----	----	----	----	----	----	----	----
Williamstown	7	0	2	24	11	2	7	28	0	81	2	0	0	1	7	4	1	3	18
Worcester	2	11	0	0	2	23	29	15	0	82	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	2	9	2	0	15	13	11	11	11	83	0	1	0	0	8	12	9	8	38
New London	3	2	3	5	8	37	2	24	0	84	----	----	----	----	----	----	----	----	----
Norwich	0	8	1	11	3	19	11	8	23	84	----	----	----	----	----	----	----	----	----
Pomfret	2	11	0	4	14	21	4	28	0	84	2	8	0	2	11	17	2	9	51
Saybrook	4	7	4	9	3	23	8	15	11	84	0	0	2	0	5	8	9	4	28
Wallingford	11	3	1	2	21	18	5	18	5	84	1	0	0	0	0	12	11	5	29
RHODE ISLAND—																			
Providence	0	13	0	5	12	23	5	26	0	84	----	----	----	----	----	----	----	----	----
NEW YORK—																			
Angelica	0	1	0	21	6	41	11	4	0	84	0	0	0	2	4	35	6	0	47
Baldwinsville	0	1	10	3	4	17	21	27	0	83	0	0	1	0	0	7	31	22	61

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Beverly	1	6	0	12	15	30	2	15	1	82	1	3	0	6	5	19	8	9	51
Blackwell's Island	16	12	12	4	4	13	12	11	0	84	3	1	1	1	0	6	7	7	26
Cazenovia	0	0	1	6	23	10	12	31	1	84	0	0	0	2	8	10	25	21	66
Clinton	3	5	2	9	13	21	18	13	0	84	0	0	1	1	2	8	36	7	55
Fishkill Landing	0	13	2	12	21	21	7	8	0	84	0	0	0	0	6	3	17	0	26
Flatbush	9	5	10	10	7	12	18	13	0	84	0	0	3	1	1	5	18	9	37
Houseville	6	0	0	5	34	11	12	16	0	84	0	0	0	0	4	16	22	7	49
McGrawville	0	0	0	25	3	23	20	13	0	84	----	----	----	----	----	----	----	----	----
Morrisania	9	11	5	13	15	10	9	12	0	84	----	----	----	----	----	----	----	----	----
New York city	0	8	3	16	0	28	10	19	0	84	0	4	4	12	0	18	19	3	60
Nichols	9	0	0	1	14	0	3	0	1	28	----	----	----	----	----	----	----	----	----
Ogdensburg	4	2	1	1	7	8	2	3	0	28	----	--	----	----	----	----	----	----	----
Oswego	5	6	4	13	24	8	15	6	3	84	----	----	----	----	----	----	----	----	----
Ovid	4	1	2	10	26	9	21	11	0	84	3	0	0	2	5	23	28	11	72
Penn Yan	0	0	0	0	19	25	27	13	0	84	---	----	----	----	----	----	----	----	----
Plainville	0	0	13	3	22	12	30	4	0	84	2	1	1	0	1	0	0	0	5
Rochester, [Harkness]	4	0	6	4	18	6	25	0	21	84	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	6	7	6	8	19	10	20	8	0	84	2	7	3	1	4	6	28	19	70
Sag Harbor	2	7	5	5	28	10	11	15	1	84	0	1	1	0	5	18	7	4	36
Saratoga	1	11	0	10	2	27	7	26	0	84	4	12	0	11	3	26	4	24	84
Spencertown	6	0	0	17	20	11	1	29	0	84	3	0	1	6	10	16	10	27	73
Townsendville	5	1	2	19	16	7	14	16	4	84	0	0	0	0	0	12	22	0	34
Troy	2	1	0	6	22	7	18	16	12	84	2	0	0	3	10	3	9	2	29
Utica	13	1	4	5	6	0	3	12	40	84	----	--	----	----	----	----	----	----	----
Wampsville	0	0	1	6	28	5	38	6	0	84	0	0	2	6	25	3	36	6	78
Wellsville	0	0	25	9	2	4	35	3	0	78	0	0	2	0	7	0	8	0	17
NEW JERSEY—																			
Bloomfield	1	6	0	4	0	46	2	25	0	84	---	----	----	----	----	----	----	----	----
Burlington	8	7	6	7	3	6	32	15	0	84	1	0	0	0	5	4	13	8	31
Lambertville	2	11	3	5	11	20	2	24	0	78	----	----	----	----	----	----	----	----	----
Newark	2	7	8	9	2	16	0	11	1	56	----	----	----	----	----	----	----	----	----
Sergeantsville	2	15	5	18	23	12	8	0	1	84	0	14	2	10	10	12	1	0	49
PENNSYLVANIA—																			
Bedford	0	0	0	9	0	26	7	30	0	72	0	0	0	8	0	18	8	12	46
Berwick	4	8	19	6	6	6	22	13	0	84	----	---	---	----	----	----	----	----	----
Cannonsburg	1	2	8	4	1	23	42	2	1	84	----	----	----	----	----	----	----	----	----
Carlisle	1	2	6	10	1	11	7	15	26	79	1	1	2	4	0	6	5	7	26
Chromedale	3	5	3	7	4	6	6	21	29	84	1	1	0	1	1	6	11	8	29
Easton	9	1	3	9	6	2	23	14	13	80	0	0	2	1	3	4	18	13	41
Fleming	5	0	0	27	11	0	4	35	2	84	0	0	0	0	3	4	27	16	50
Gettysburg	2	5	5	1	12	20	15	11	13	84	2	0	0	0	5	16	21	9	53
Harrisburg, [Heisely]	0	1	5	32	11	0	5	29	0	83	0	0	0	6	3	0	3	9	21
Lewisburg	6	4	2	0	13	26	16	5	12	84	0	0	1	0	4	7	12	5	29
Meadville	0	0	0	6	25	5	8	16	24	84	1	0	0	1	2	20	22	10	56
Morrisville	0	4	3	12	6	19	9	13	15	81	0	3	2	4	5	18	5	7	44
Moss Grove	0	1	0	2	31	16	15	9	4	78	0	0	0	0	4	22	45	2	73
Nazareth	8	7	0	7	4	10	13	11	21	81	3	0	0	1	2	3	8	4	21
Norristown	0	1	12	10	8	12	26	3	0	72	0	0	8	0	1	8	30	0	47
North Whitehall	2	3	5	1	7	5	3	20	38	84	0	0	0	0	0	5	4	8	17
Philadelphia	0	8	6	3	5	31	10	21	0	84	0	0	0	0	0	6	5	0	11
Pocopson	6	6	1	3	19	20	19	2	0	76	0	0	0	0	2	0	3	3	8
Shamokin	12	6	10	0	11	15	20	10	0	84	0	0	0	0	2	11	46	5	64
Tarentum	6	1	5	0	3	21	7	15	26	84	1	0	0	0	3	19	22	15	60
West Haverford	1	1	2	1	13	13	2	16	7	56	2	1	0	0	1	5	8	15	32
DELAWARE—																			
Newark	3	2	4	12	6	24	9	16	0	76	1	0	0	0	0	0	4	0	5
MARYLAND—																			
Annapolis	7	5	0	6	30	11	4	7	11	81	3	0	0	0	11	19	0	0	33
Bladensburg	0	1	5	8	2	17	2	16	0	51	---	----	----	----	----	----	----	----	----
Frederick	4	2	0	4	10	12	11	19	22	84	0	1	0	0	7	3	23	2	36
Ridge	10	5	3	14	21	10	4	11	1	79	----	----	----	----	----	----	----	----	----
Sykesville	0	1	2	15	13	27	21	5	0	84	0	0	2	4	4	11	34	0	55

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
DISTRICT OF COLUMBIA—																			
Washington, [S. I.]	0	4	0	8	0	46	4	14	8	44									
VIRGINIA—																			
Alexandria	3	4	1	10	31	9	4	22	0	84									
Ashland	1	0	0	6	7	17	0	10	43	84	0	0	0	0	0	27	9	0	36
Berryville	3	0	2	7	14	8	12	17	15	78	3	0	0	0	0	6	12	4	25
Crichton's Store	11	6	3	9	25	16	9	3	2	84	0	0	0	0	0	20	9	0	29
Kanawha	7	0	0	14	27	5	7	15	9	84	0	7	33	9	0	0	0	0	49
Lewisburg	0	0	0	0	0	3	0	0	0	3	0	0	0	0	3	5	20	0	28
Longwood											3	13	39	4	2	1	1	1	64
Montross	6	4	5	5	25	7	3	4	25	84	6	9	10	1	0	0	0	0	26
Mossy Creek	1	16	0	4	0	45	2	15	1	84	1	2	0	0	0	14	6	20	43
Mustapha	7	0	0	0	19	2	0	0	0	28									
Poplar Grove	0	0	25	0	0	2	20	5	32	84	0	0	0	0	3	20	22	6	51
Portsmouth	14	5	5	4	9	21	10	12	0	80									
Rose Hill	12	4	6	8	11	11	3	3	21	79									
Rougemont	8	7	2	1	31	17	11	2	0	79	1	0	0	2	19	12	4	1	39
Winchester	0	0	0	3	6	14	6	9	45	83	0	0	0	1	3	3	0	1	8
Wirt Court-House	0	0	0	12	4	33	1	19	15	84	0	0	0	0	0	56	1	4	61
NORTH CAROLINA—																			
Chapel Hill	4	7	11	1	15	15	19	12	0	84	0	0	0	1	10	21	3	3	38
Goldsborough	5	12	5	0	30	4	7	3	14	80	0	2	0	0	8	1	2	0	13
Murfreesborough	0	9	5	12	3	24	6	9	15	83	0	0	0	2	0	8	32	0	42
SOUTH CAROLINA—																			
All Saints	10	4	9	10	18	23	5	3	2	84	4	0	2	3	6	19	16	3	53
Camden	11	11	1	14	2	23	5	12	5	84	1	0	0	6	3	15	11	3	39
Charleston, [Dawson]	0	24	3	13	0	14	0	2	0	56									
Charleston, [Johnson]	1	11	3	7	0	5	0	1	0	28									
Mount Pleasant	16	7	11	2	2	2	2	10	1	53	1	0	1	2	1	2	0	3	10
GEORGIA—																			
Factory Mills	0	2	18	12	2	5	31	4	0	74									
Savannah	8	8	10	24	9	9	4	12	0	84	0	0	0	3	0	1	3	0	7
Sparta	2	10	4	19	9	19	3	15	0	81	1	0	0	4	8	11	6	4	34
The Rock	7	16	5	9	4	12	11	17	0	81									
Whitemarsh Island	3	12	6	5	10	4	2	7	35	84	0	1	2	12	5	5	4	3	32
Zebulon	0	3	27	14	2	6	23	9	0	84	2	1	3	5	4	6	9	5	35
FLORIDA—																			
Atsena	7	15	14	7	3	13	11	0	13	83	1	4	4	6	2	7	3	0	27
Belair	0	7	15	13	6	3	1	1	31	77	0	1	1	1	8	8	13	7	39
Gainesville	10	21	10	3	2	17	4	15	0	82									
Jacksonville	1	43	5	11	4	11	0	9	0	84	0	8	1	10	1	17	3	0	40
St. Augustine	0	42	12	16	2	6	0	6	0	84	0	15	3	27	1	4	5	2	57
Salt Ponds	14	20	14	4	0	0	0	4	0	56	0	0	0	0	0	0	2	3	5
Warrington	1	37	3	5	5	17	4	12	0	84	2	3	0	2	0	11	1	4	23
ALABAMA—																			
Auburn	11	3	1	27	18	12	8	4	0	84	0	0	0	2	18	12	4	0	36
Carlowville	13	4	7	7	27	7	8	11	0	84	0	0	0	5	10	4	3	1	23
Greene Springs	1	14	1	18	4	9	1	6	0	54	0	0	0	1	14	9	2	1	27
Greensborough	2	6	0	33	10	6	5	22	0	84	0	0	0	7	8	6	6	2	29
MISSISSIPPI—																			
Columbus	8	5	7	16	28	5	5	10	0	84	1	0	0	4	16	11	14	3	49
Port Gibson	8	13	5	19	15	4	5	2	13	84									
LOUISIANA—																			
Black River	15	5	0	14	40	3	3	4	0	84	2	0	0	1	14	21	7	4	49
New Orleans, [Barton]	13	5	10	21	18	5	6	6	0	84	2	0	0	0	13	9	4	4	32
New Orleans, [Taylor]	0	18	0	18	0	5	0	6	0	47									
TEXAS—																			
Austin	21	6	0	16	34	0	0	7	0	84	3	3	0	21	27	3	4	13	74
Helena	19	4	12	15	32	1	0	0	1	84	1	0	2	13	8	3	14	1	42
New Braunfels	8	5	26	7	16	0	0	3	17	82	0	0	0	0	3	0	1	0	4
Union Hill	23	8	1	8	33	0	0	0	11	84	13	0	6	15	18	15	2	0	69
Washington	58	0	0	0	25	0	0	0	1	84	57	0	0	0	19	0	0	3	79

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TENNESSEE—																			
Glenwood	7	4	3	24	24	3	2	13	4	84	0	1	0	0	8	28	15	5	57
KENTUCKY—																			
Danville	2	7	1	2	34	10	8	20	0	84	0	0	0	0	5	27	17	3	52
Paris	10	1	0	5	25	17	16	10	0	84	0	0	0	0	22	6	16	0	44
Springdale	1	6	5	2	17	28	6	9	10	84	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	4	0	0	1	10	41	14	14	0	84	0	0	0	0	0	1	0	0	1
Cincinnati, [Hurtt]	0	0	0	0	12	18	23	4	12	69	0	0	0	0	11	14	16	1	42
Cleveland	6	6	3	13	21	14	11	8	2	84	0	0	0	0	0	26	17	0	43
Farmers' College	2	4	2	1	26	11	5	11	21	83	1	0	0	0	3	20	6	9	39
Franklin	3	2	2	31	0	11	21	14	0	84	0	0	0	2	8	5	4	1	20
Gallipolis	2	1	2	5	30	7	21	7	0	75	0	0	1	0	0	10	20	2	33
Granville	0	3	0	2	2	34	7	2	25	75	0	0	0	0	3	21	4	2	30
Hillsborough	2	9	0	4	11	44	0	13	1	84	0	0	0	0	1	16	0	3	20
Hiram	4	1	0	2	7	39	21	9	1	84	2	1	0	1	3	22	17	3	49
Jefferson	1	2	0	11	13	37	3	17	0	84	1	2	0	7	11	35	3	16	75
Madison, [Atkins]	1	8	1	10	19	13	26	6	0	84	0	1	0	0	8	6	8	1	24
Madison, [Cunningham]	0	6	1	5	22	23	13	7	7	84	2	3	0	1	1	32	26	5	70
Oberlin	5	2	2	4	24	20	8	17	1	83	0	1	1	0	3	16	10	3	34
Portsmouth	11	1	2	12	15	24	14	4	1	84	----	----	----	----	----	----	----	----	----
Savannah	5	0	1	4	0	36	8	30	0	84	6	0	0	6	0	30	7	18	67
Sidney	4	5	0	8	15	25	7	4	0	68	0	2	0	2	0	38	4	15	61
Urbana	0	0	2	7	17	22	9	6	21	84	0	0	0	0	6	27	17	8	58
West Bedford	4	2	3	5	13	30	5	19	3	84	1	2	3	0	1	6	30	14	57
Zanesville	2	1	1	3	13	38	3	23	0	84	36	0	0	0	0	0	6	0	42
MICHIGAN—																			
Battle Creek	3	6	10	7	11	19	20	4	3	83	1	4	0	0	0	21	43	1	70
Cooper	0	2	12	1	4	4	53	1	7	84	0	0	14	1	0	2	17	0	64
Copper Falls Mines	21	13	0	17	7	10	7	8	0	83	----	----	----	----	----	----	----	----	----
Grand Rapids, [Currier]	4	12	2	12	4	21	12	0	16	83	1	1	0	0	4	6	4	0	16
Grand Rapids, [Streng]	6	10	9	7	15	17	19	1	0	84	0	6	7	2	5	24	28	6	78
Monroe	5	3	2	9	15	17	0	31	2	84	4	3	2	13	14	16	1	28	81
Romeo	3	11	2	9	7	20	17	10	4	83	4	2	0	0	9	9	8	6	38
INDIANA—																			
Cannelton	4	0	3	19	22	11	1	24	0	84	0	0	0	8	15	7	2	15	47
Logansport	6	2	3	4	16	22	16	15	0	84	----	----	----	----	----	----	----	----	----
Michigan City	11	11	3	2	3	40	29	13	0	112	----	----	----	----	----	----	----	----	----
New Albany	13	7	0	8	3	19	22	12	0	84	5	5	0	5	4	15	17	9	60
New Harmony	9	1	4	9	23	8	14	5	0	73	0	0	0	0	2	1	7	0	10
Richmond	1	3	0	2	8	15	10	4	10	53	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	1	17	2	25	1	19	3	14	0	82	6	4	0	7	0	27	18	10	72
Augusta	8	9	9	4	11	18	18	4	3	84	4	3	3	1	5	9	9	2	36
Chicago	2	12	2	3	11	26	17	10	1	84	2	9	1	0	4	24	11	8	59
Fremont Centre	7	5	7	6	25	16	17	1	0	84	----	----	----	----	----	----	----	----	----
Manchester	6	8	0	2	25	8	21	14	0	84	1	2	0	0	15	8	11	8	45
Marengo	1	6	13	14	15	24	9	2	0	84	----	----	----	----	----	----	----	----	----
Ottawa	8	14	5	11	10	11	12	10	0	81	0	0	0	2	0	4	3	0	9
Pekin	3	4	0	10	19	5	4	8	0	53	----	----	----	----	----	----	----	----	----
Peoria	13	10	8	3	25	7	16	2	0	84	0	0	0	0	0	3	7	1	11
Piasa Farms	7	12	0	3	25	9	8	20	0	84	0	3	0	2	8	15	4	5	37
Riley	6	9	2	8	11	8	22	11	6	83	----	----	----	----	----	----	----	----	----
Upper Alton	1	0	0	7	18	34	8	16	0	84	----	----	----	----	----	----	----	----	----
Warsaw	3	9	4	21	6	14	6	21	0	84	1	0	0	2	2	19	6	7	37
West Salem	11	2	3	5	36	4	2	9	12	84	0	0	0	0	2	20	18	1	41
MISSOURI—																			
Cape Girardeau	12	8	1	22	14	4	6	13	2	112	7	0	0	5	32	7	8	4	63
Palmyra	0	7	4	7	11	22	9	17	32	109	0	6	5	5	8	20	11	11	66
St. Louis	10	3	8	14	19	7	17	6	0	84	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	1	23	2	2	4	31	15	4	2	84	2	25	2	4	3	28	10	9	83
Beloit	16	6	2	3	27	19	6	5	0	84	0	0	0	0	1	1	3	0	5

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Janesville	4	5	11	15	8	11	16	6	8	84	----	----	----	----	----	----	----	----	----
Kenosha	4	4	12	2	13	18	13	1	14	81	----	----	----	----	----	----	----	----	----
Madison, [Schue]	7	9	4	9	15	23	10	6	1	84	----	----	----	----	----	----	----	----	----
Madison, [Sterling]	7	9	5	9	13	28	7	5	1	84	----	----	----	----	----	----	----	----	----
Manitowoc	17	6	1	8	11	14	10	17	0	84	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	2	5	2	1	6	3	9	0	0	28	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	4	16	5	10	4	18	21	6	0	84	----	----	----	----	----	----	----	----	----
New London	9	5	3	2	6	23	21	15	0	84	4	3	0	0	4	14	32	11	68
Norway	10	14	2	2	6	22	26	2	0	84	6	14	2	1	7	11	19	2	62
Platteville	0	9	11	19	2	15	14	14	0	84	0	6	7	10	1	10	28	6	68
Prescott	5	2	1	12	14	12	0	10	28	84	3	6	0	4	1	3	0	5	22
Racine	10	3	3	3	21	9	29	3	0	81	1	0	0	1	5	1	3	0	11
Waukesha	0	18	1	6	8	35	7	5	0	80	----	----	----	---	----	----	----	----	----
IOWA—																			
Bellevue	6	6	0	7	7	7	14	14	0	61	1	1	0	0	1	3	3	4	13
Border Plains	14	10	2	16	11	10	8	13	0	84	4	1	0	0	2	1	4	5	17
Fort Madison	5	15	1	15	7	18	3	20	0	84	3	4	1	0	5	20	16	2	51
Franklin	6	7	6	15	4	8	12	18	8	84	----	----	----	----	----	----	----	----	----
Maquoketa	4	5	13	2	2	4	21	1	2	54	----	----	----	----	----	----	----	----	----
Muscatine	0	8	0	25	0	30	0	21	0	84	0	0	0	0	0	12	0	0	12
Pleasant Plain	9	11	9	8	10	9	11	11	6	84	0	0	0	0	0	4	16	5	25
MINNESOTA—																			
Hazlewood	10	10	5	8	16	3	7	25	0	84	1	2	1	3	2	0	4	3	16
Lake Winnibigoshish	13	3	3	16	14	7	9	7	4	76	0	0	0	0	0	0	2	3	5
Princeton	11	8	2	7	10	2	23	7	14	84	9	2	2	0	1	0	14	2	30
KANSAS—																			
Council City	9	3	2	4	22	6	3	22	13	84	----	----	----	----	----	----	----	----	----
UTAH—																			
Great Salt Lake City	6	5	13	14	39	9	6	20	0	112	6	0	1	0	19	1	9	1	37
CALIFORNIA—																			
Sacramento	16	0	4	28	14	5	3	14	0	84	0	1	0	8	3	11	2	4	29
San Francisco	11	0	0	7	17	1	6	2	40	84	4	2	0	2	13	17	14	6	58
WEST INDIES—																			
Port of Spain, Trinidad	3	14	14	15	0	0	11	0	0	57	0	9	31	22	1	2	0	0	65
St. George's, Bermuda	1	13	2	4	0	4	1	3	0	28	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	4	25	12	4	3	0	0	0	0	48	1	7	23	13	0	0	0	0	44
AZORES—																			
Horta, Fayal	20	21	0	11	2	13	3	8	6	84	12	18	1	4	3	9	4	13	64

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	7	13	0	0	6	22	35	12	0	95	8	10	0	1	5	17	24	6	71
Red River Settlement	10	0	0	0	18	0	0	1	0	29	5	0	0	0	5	0	0	1	11
St. John's	7	20	1	1	4	3	2	55	0	93	9	17	3	1	3	2	15	36	86
St. Martin	0	22	1	13	2	30	8	17	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	7	3	2	11	28	9	19	6	8	93	----	----	----	----	----	----	----	----	----
Toronto	0	4	1	8	3	17	5	42	13	93	----	----	----	----	----	----	----	----	----
Wolfville	3	3	9	7	3	7	34	18	6	90	4	6	10	5	2	11	24	3	65
MAINE—																			
Cornish, [Guptill]	4	5	3	11	8	7	12	43	0	93	----	----	----	----	----	----	----	----	----
Cornish, [West]	6	11	10	4	6	21	21	14	0	93	1	2	0	0	1	9	10	10	33
Gardiner	5	22	2	4	1	21	3	19	14	91	0	10	0	0	0	11	0	7	28
Monson	8	16	0	2	22	3	13	27	2	93	----	----	----	----	----	----	----	----	----
Perry	6	16	0	8	8	17	8	30	0	93	5	7	0	2	3	6	7	17	47
Portland	16	6	7	11	10	8	14	21	0	93	5	0	0	0	2	3	7	6	23
Steuben	3	21	0	6	0	37	5	21	0	93	5	11	1	1	2	10	8	7	45
NEW HAMPSHIRE—																			
Concord	5	9	3	18	1	19	2	36	0	93	----	----	----	----	----	----	----	----	----
Francestown, [Bixby]	7	8	1	6	1	18	10	42	0	93	10	2	1	5	0	8	24	42	88
Manchester	13	5	3	5	8	18	13	28	0	93	5	4	1	8	3	16	21	8	66
North Barnstead	1	0	0	4	1	21	21	45	0	93	1	0	0	1	7	13	27	21	70
West Enfield	3	2	0	6	21	11	6	41	0	93	7	0	1	9	10	1	10	32	70
VERMONT—																			
Brandon	24	1	1	6	25	3	12	14	7	93	10	1	2	0	2	6	9	19	49
Craftsbury	9	9	3	4	29	5	16	16	0	91	6	3	0	0	1	2	26	11	49
Norwich	1	0	0	0	4	22	30	35	1	93	10	9	20	16	19	0	0	0	74
Rupert	0	1	13	0	3	0	0	0	0	17	6	45	6	7	5	0	0	4	73
St Johnsbury	21	0	0	0	32	0	3	37	0	93	----	----	----	----	----	----	----	----	----
Shelburn	35	0	0	0	51	1	0	2	0	89	1	8	6	11	0	0	0	0	26
Woodstock	3	1	0	1	20	10	14	12	30	91	2	0	0	0	1	0	19	18	40
MASSACHUSETTS—																			
Amherst	1	5	0	23	0	10	3	51	0	93	7	2	0	1	0	10	0	17	37
Bridgewater	8	8	2	6	8	19	13	29	0	93	7	12	7	15	4	8	0	3	56
Cambridge	7	1	4	3	6	19	17	21	14	92	----	----	----	----	----	----	----	----	----
Canton	2	2	3	3	19	5	8	16	2	60	0	0	0	0	0	0	1	0	1
Florida	0	6	0	3	0	17	15	52	0	93	2	5	1	1	0	15	16	45	85
Lawrence	2	6	6	17	3	10	6	43	0	93	0	3	0	0	2	3	11	0	19
Mendon	1	13	0	7	3	32	2	35	0	93	1	12	0	7	3	26	1	18	68
Nantucket	5	7	2	16	3	14	6	31	9	93	----	----	----	----	----	----	----	----	----
New Bedford	7	9	0	14	6	23	2	32	0	93	4	0	0	0	1	1	5	4	15
Newburyport	4	2	19	6	11	7	21	20	0	81	----	----	----	----	----	----	----	----	----
North Attleborough	13	2	1	6	25	5	20	21	0	93	11	3	1	2	16	7	23	7	70
Plainfield	0	0	4	2	0	7	19	24	6	62	----	----	----	----	----	----	----	----	----
Richmond	0	6	0	12	1	29	0	45	0	93	3	1	0	9	1	27	0	38	79
Southwick	5	7	2	13	13	1	4	22	4	71	4	0	0	1	3	11	5	6	30
Westfield	3	4	8	13	8	10	18	28	0	92	0	1	0	0	0	0	2	0	3
Weymouth	2	8	0	9	1	12	4	26	0	62	----	----	----	----	----	----	----	----	----
Williamstown	12	0	3	12	18	1	18	27	0	91	5	0	0	1	3	0	2	4	15
Worcester	16	7	1	1	16	6	32	12	0	91	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	8	7	2	6	20	8	8	33	1	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	4	2	2	4	7	11	1	40	22	93	1	1	0	1	5	8	2	24	42
New London	8	9	1	12	4	26	13	20	0	93	----	----	----	----	----	----	----	----	----
Norwich	3	13	2	5	4	12	11	17	26	93	----	----	----	----	----	----	----	----	----
Pomfret	6	5	1	5	14	15	7	40	0	93	4	2	0	3	11	7	4	18	49
Saybrook	7	3	7	9	7	12	13	18	6	82	3	1	0	0	3	2	16	9	34
Wallingford	5	4	0	13	9	12	5	32	12	92	4	1	0	0	2	6	17	14	44
NEW YORK—																			
Angelica	0	0	1	5	2	43	26	16	0	93	0	0	0	0	0	28	6	6	40
Baldwinsville	3	1	13	3	3	9	14	13	0	89	1	0	0	0	0	0	30	30	61
Beverly	5	2	0	11	10	29	6	28	0	91	3	1	0	7	0	29	16	9	65
Blackwell's Island	16	9	7	6	12	11	11	21	0	93	6	4	2	1	4	4	4	5	30

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Cazenovia	1	0	2	2	16	12	26	32	1	92	0	0	0	1	4	7	38	24	74
Clinton	5	9	4	3	9	16	36	10	1	93	2	0	4	0	1	3	29	6	45
Eden	4	2	1	4	29	24	20	4	0	88	1	0	1	1	3	10	15	13	44
Fishkill Landing	3	12	9	14	10	13	10	21	1	93	9	0	0	2	3	0	15	0	29
Flatbush	3	7	5	11	12	5	20	30	0	93	3	1	1	0	3	5	22	5	40
McGrawville	0	1	8	15	0	9	50	6	4	93	----	----	----	----	----	----	----	----	----
Morrisania	0	0	15	19	23	15	21	0	0	93	----	----	----	----	----	----	----	----	----
New York city	0	3	2	22	0	11	22	33	0	93	0	2	0	12	1	11	26	13	65
Nichols	18	0	0	0	10	1	0	0	2	31	----	----	----	----	----	----	----	----	----
Ogdensburg	4	2	0	1	4	15	1	4	0	31	0	0	0	1	0	0	0	1	2
Oswego	3	4	3	13	14	8	42	6	0	93	----	----	----	----	----	----	----	----	----
Ovid	3	2	2	12	17	7	27	23	0	93	1	2	1	1	7	20	23	22	77
Penn Yan	8	5	0	0	16	25	35	4	0	93	----	----	----	----	--	----	----	----	----
Plainville	1	1	12	6	8	6	51	2	0	87	2	1	25	0	0	0	4	0	32
Rochester, [Harkness]	4	0	4	0	20	2	29	5	29	93	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	5	2	3	5	12	23	25	18	0	93	6	3	2	3	9	11	23	23	80
Sag Harbor	4	4	5	19	12	11	21	21	1	89	2	0	0	0	0	14	12	10	38
Saratoga	2	2	0	6	3	25	11	44	0	93	3	2	0	3	5	25	14	41	93
Spencertown	12	3	0	7	21	11	4	35	0	93	12	3	0	0	17	11	3	35	81
Townsendville	1	1	3	19	4	9	17	35	4	93	0	0	0	0	5	15	13	0	33
Utica	2	1	6	6	8	0	15	14	40	92	----	----	----	----	----	----	----	----	----
Wampsville	1	0	5	3	23	3	55	3	0	93	2	0	5	3	20	5	50	3	88
Waterford	15	5	0	0	25	17	13	1	17	93	----	----	----	----	----	----	----	----	----
Wellsville	0	0	41	2	0	2	48	0	0	93	1	0	0	0	0	4	1	2	8
NEW JERSEY—																			
Bloomfield	0	10	0	6	7	21	4	45	0	93	----	----	----	----	----	----	----	----	----
Burlington	5	5	11	10	3	12	22	15	2	85	1	0	0	0	4	11	16	11	43
Lambertville	0	7	1	14	4	9	3	44	0	82	----	----	----	----	----	----	----	----	----
Newark	4	9	1	5	2	15	5	21	0	62	----	----	----	----	----	----	----	----	----
Sergeantsville	6	16	16	29	13	13	0	0	0	93	3	10	5	23	4	12	0	0	57
PENNSYLVANIA—																			
Bedford	0	0	0	5	0	21	1	51	0	78	0	0	0	4	0	16	3	34	57
Berwick	3	3	15	5	2	9	39	16	1	93	----	----	----	----	----	----	----	----	----
Canonsburg	2	0	2	0	0	12	60	12	0	88	----	----	----	----	----	----	----	----	----
Carlisle	0	1	3	12	6	18	11	28	20	93	0	0	3	7	1	6	6	19	42
Chromedale	11	4	2	8	6	2	1	35	24	93	5	1	0	0	0	9	14	15	44
Easton	3	0	5	10	8	1	23	26	9	85	5	0	1	0	3	4	16	14	43
Fleming	6	0	0	7	13	4	5	58	0	93	5	1	0	0	0	1	32	20	59
Gettysburg	11	6	0	3	9	19	18	23	4	93	3	0	0	0	0	15	19	20	57
Harrisburg, [Heisely]	4	0	0	20	8	5	4	50	0	91	3	0	0	2	0	1	2	22	30
Harrisburg, [Hickok]	3	1	18	4	9	7	34	14	0	90	0	0	0	0	0	0	10	1	11
Lewisburg	6	0	3	4	7	21	18	22	12	93	3	0	0	0	3	7	9	12	34
Meadville	1	0	0	2	11	3	10	20	44	91	2	0	0	0	1	2	22	15	42
Morrisville	1	8	2	10	6	13	16	30	7	93	2	5	0	2	3	18	7	20	57
Nazareth	7	3	0	7	9	11	19	6	12	74	4	0	0	1	3	5	11	3	27
Norristown	1	0	6	8	3	13	36	11	0	78	1	1	1	1	0	6	40	5	55
North Whitehall	4	0	1	4	9	5	11	24	35	93	2	1	0	1	7	2	8	21	42
Philadelphia	0	3	2	14	8	20	11	35	0	93	0	0	0	1	0	5	6	8	20
Pocopson	9	1	0	0	9	23	33	11	0	86	2	0	0	0	3	5	11	4	25
Shamokin	3	2	2	2	4	13	47	20	0	93	0	0	0	0	0	1	62	10	73
Tarentum	9	2	1	2	0	24	6	16	33	93	4	0	0	0	0	10	19	27	60
West Haverford	1	1	0	3	7	9	2	29	9	61	4	0	0	0	3	4	10	16	37
DELAWARE—																			
Newark	1	3	0	10	4	11	15	23	0	67	0	0	0	0	0	0	7	1	8
MARYLAND—																			
Annapolis	8	10	0	14	14	6	7	26	8	93	7	5	0	0	2	22	3	2	41
Bladensburg	1	0	0	5	2	3	2	32	0	45	----	----	----	----	----	----	----	----	----
Frederick	0	3	0	8	3	10	25	30	12	91	1	0	0	0	1	5	28	5	40
Ridge	1	1	4	7	13	4	5	34	0	69	----	----	----	----	----	----	----	----	----
Sykesville	0	0	3	12	1	22	27	28	0	93	0	0	0	6	1	6	45	4	62
DISTRICT OF COLUMBIA—																			
Washington, [Smith. Inst.]	0	7	0	14	1	19	8	34	8	91	----	----	----	----	----	----	----	----	----

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1856.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—																			
Alexandria	14	3	2	3	9	15	13	34	0	93									
Ashland	1	0	0	1	4	23	0	13	49	91	0	0	0	0	0	14	13	4	31
Berryville	4	1	1	8	12	11	15	32	7	91	4	0	0	0	0	5	14	3	26
Crichton's Store	13	4	2	2	6	34	12	17	0	90	0	0	0	0	0	3	4	1	8
Kanawha	0	1	3	25	3	7	17	32	5	93	0	11	24	14	0	0	0	0	49
Lewisburg	1	0	0	0	0	0	4	0	0	5	1	0	0	0	0	1	20	0	22
Longwood											2	5	35	8	9	1	1	0	61
Montress	6	3	2	8	10	10	13	13	25	90	1	5	10	4	3	1	0	0	24
Mossy Creek	5	12	0	1	0	35	7	33	0	93	9	4	0	0	0	6	4	21	44
Mustapha	8	0	0	0	17	4	0	2	0	31									
Poplar Grove	0	0	9	0	0	0	18	23	43	93	1	2	0	0	1	11	27	16	58
Portsmouth	13	10	5	10	9	11	9	26	0	93									
Rose Hill	7	13	1	9	2	19	5	16	13	85									
Rougement	8	5	1	1	15	30	20	12	0	92	3	0	0	1	6	21	9	9	49
Smithfield	8	6	12	0	13	15	21	16	0	91	4	2	0	0	1	5	16	14	42
Winchester	0	0	0	4	0	2	26	12	49	93	0	0	0	0	0	0	12	3	15
Wirt Court-House	0	0	0	6	0	35	0	45	7	93	0	0	0	0	0	50	1	16	67
NORTH CAROLINA—																			
Chapel Hill	6	13	2	5	2	18	28	19	0	93	1	0	0	1	1	21	9	5	38
Goldsborough	16	6	7	0	14	13	17	5	3	81	0	0	0	0	0	2	4	1	7
Murfreesborough	2	6	3	9	2	21	14	21	15	93	3	3	0	0	0	9	21	4	40
SOUTH CAROLINA—																			
All Saints	12	14	0	11	17	21	11	7	0	93	2	4	1	0	3	11	17	1	39
Camden	10	19	0	6	0	18	9	28	3	93	1	5	1	0	3	12	10	11	43
Charleston, [Dawson]	3	18	4	9	0	15	0	13	0	62									
Charleston, [Johnson]	2	12	0	2	1	3	1	10	0	31									
Mount Pleasant	15	19	2	5	4	7	6	32	2	92	0	3	0	2	1	4	2	8	20
GEORGIA—																			
Athens	2	2	11	2	2	2	11	13	19	64									
Augusta	14	23	9	9	2	14	10	3	0	84									
Factory Mills	0	6	15	9	4	1	36	16	0	87									
Savannah	11	11	5	14	14	13	3	22	0	93	0	0	0	0	0	1	4	0	5
Sparta	2	15	5	14	3	15	5	34	0	93	1	2	0	4	1	7	11	7	33
The Rock	21	3	12	9	6	1	23	17	0	92									
Whitemarsh Island	5	18	4	10	6	8	4	16	22	93	1	4	0	1	0	7	2	14	29
Zebulon	0	8	25	4	6	6	30	20	0	93	1	0	0	0	3	3	7	2	16
FLORIDA—																			
Alligator	3	17	3	7	2	7	2	10	6	57	0	0	0	1	1	0	0	3	5
Atsena	23	17	5	5	7	7	13	12	4	93	9	5	1	4	2	9	8	2	40
Belair	8	26	17	5	5	4	0	5	23	93	1	6	3	3	0	3	14	5	35
Gainesville	13	16	8	3	7	12	12	21	0	92									
Jacksonville	2	28	2	12	1	15	3	29	0	92	1	7	1	0	1	21	5	7	43
St. Augustine	12	39	5	7	0	5	0	25	0	93	11	21	2	2	0	5	1	11	53
Salt Ponds	16	11	9	4	4	0	3	13	2	62									
Warrington	4	29	2	8	0	31	4	15	0	93	0	5	5	8	1	10	0	1	30
ALABAMA—																			
Auburn	17	8	9	13	19	8	12	6	5	92	7	2	1	5	6	7	7	3	38
Carlowville	26	7	8	6	8	14	11	13	0	93	0	0	1	2	1	4	5	0	13
Greene Springs	0	30	0	1	0	27	0	29	0	87	0	0	0	0	0	17	0	0	17
Greensborough	7	5	1	19	8	5	10	36	0	91	1	0	1	1	0	3	28	2	36
MISSISSIPPI—																			
Columbus	19	10	13	14	8	8	4	17	0	93	2	0	0	0	2	3	18	16	41
Port Gibson	18	11	7	8	15	5	5	5	19	93									
LOUISIANA—																			
Black River	19	9	2	16	22	5	6	12	2	93	7	0	1	0	4	10	7	5	34
New Orleans, [Barton]	15	13	6	15	8	1	4	4	3	72	0	1	0	0	1	1	2	2	7
New Orleans, [Taylor]	0	25	0	4	0	9	0	15	0	53									
Trinity	16	7	14	7	38	1	4	6	0	93	4	0	0	0	1	4	6	2	17
TEXAS—																			
Austin	35	2	0	14	37	2	0	2	0	93	15	5	0	9	15	5	2	18	69
Helena	20	10	5	6	35	1	1	0	0	78	2	1	0	5	23	11	8	0	50
New Braunfels	25	1	15	4	31	1	1	0	14	92	0	0	0	0	0	1	3	0	4

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
Union Hill	23	0	0	8	40	3	0	0	19	93	12	0	0	24	8	15	2	0	61
Washington	62	0	0	0	23	1	1	0	0	87	6	14	9	6	2	1	0	3	41
TENNESSEE—																			
Glenwood	18	6	8	13	14	6	5	17	6	93	1	0	0	0	1	5	36	12	55
KENTUCKY—																			
Danville	11	3	1	1	15	17	9	36	0	93	1	0	0	0	1	17	17	11	47
Paris	1	6	0	11	5	29	14	26	0	92	0	0	0	0	6	7	18	0	31
Springdale	3	6	5	3	9	23	9	18	17	93									
OHIO—																			
Cincinnati, [Harper]	8	0	0	0	2	37	35	11	0	93									
Cincinnati, [Hurtt]	2	2	1	8	2	6	1	9	0	31									
Cincinnati, [Hurtt]	0	0	0	0	0	10	21	7	1	39	0	0	0	0	2	10	17	2	31
Cleveland	4	0	1	8	27	6	17	26	4	93	0	0	0	0	0	5	22	11	38
Edinburg	6	31	19	32	4	0	0	0	1	93	1	0	0	0	2	26	11	24	64
Gallipolis	10	1	10	4	15	3	15	15	20	93	0	0	0	0	0	2	25	2	29
Hillsborough	0	15	0	6	1	40	0	31	0	93	0	0	0	0	0	13	3	14	30
Hiram	12	0	0	0	11	18	19	24	9	93	3	0	0	0	1	4	22	9	39
Jefferson	0	0	1	16	3	30	5	38	0	93	0	0	0	15	3	34	6	26	84
Madison, [Atkins]	0	0	0	10	19	13	47	4	0	93	0	0	0	0	0	5	13	1	19
Madison, [Cunningham]	1	0	1	8	7	22	28	14	12	93	1	0	0	0	0	33	32	10	76
Medina	1	1	0	8	9	24	20	24	0	87	2	0	0	3	7	24	33	16	85
Oberlin	4	0	2	2	15	23	12	24	11	93	0	1	0	0	0	5	35	3	44
Portsmouth	3	2	1	5	1	32	35	13	1	93									
Savannah	0	0	0	8	0	20	21	44	0	93	1	0	0	8	0	21	10	21	61
Sidney	3	4	1	3	16	21	12	17	0	77	0	0	0	1	0	33	7	28	69
Urbana	2	0	1	5	9	10	23	10	33	93	2	0	0	0	1	10	38	6	57
Welchfield	3	0	3	10	13	15	39	10	0	93	0	0	0	0	0	0	3	1	4
West Bedford	8	2	1	3	8	23	7	37	4	93	2	0	0	0	0	7	24	23	56
MICHIGAN—																			
Battle Creek	6	0	5	6	12	15	22	21	6	93	1	0	0	0	1	9	50	10	71
Cooper	3	0	1	0	1	2	62	3	21	93	0	0	2	2	1	3	30	0	38
Copper Falls Mines	19	11	0	20	9	17	7	9	0	92									
Grand Rapids, [Currier]	2	9	4	10	3	25	11	7	21	92	0	2	0	0	0	10	12	4	28
Grand Rapids, [Streng]	13	4	4	6	18	12	25	11	0	93	8	1	0	1	4	13	27	12	66
Monroe	10	7	4	7	2	14	0	47	0	91	6	5	4	7	3	18	0	36	79
Romeo	2	6	3	3	10	17	18	26	5	90	2	1	0	0	2	6	10	12	33
INDIANA—																			
Cannelton	8	3	4	8	26	4	8	32	0	93	1	1	3	4	11	0	3	14	37
Evansville	11	1	1	6	5	10	28	25	0	87	7	0	0	1	6	7	12	4	37
Logansport	24	4	3	3	7	16	27	9	0	93									
Michigan City	19	10	1	5	6	19	6	24	3	93	3	7	5	18	6	3	0	0	42
New Albany	11	10	1	5	5	18	2	11	0	63	3	2	0	4	5	12	2	7	35
New Harmony	16	0	10	9	11	3	20	13	0	82	0	0	0	0	0	0	5	0	5
Richmond	2	2	2	0	2	8	12	3	10	41									
ILLINOIS—																			
Albion	1	8	3	3	5	11	5	8	0	44	1	0	0	1	2	2	1	2	9
Athens	1	19	2	22	1	17	6	22	0	90	0	0	0	2	0	13	17	28	60
Augusta	3	7	11	11	4	13	22	17	5	93	1	1	1	4	2	4	12	12	37
Batavia	0	12	0	6	0	32	5	14	0	69									
Brighton	3	10	1	1	13	20	17	25	0	90	0	1	1	1	6	11	7	10	37
Chicago	7	6	8	6	4	20	22	15	5	93	2	0	0	1	1	19	14	13	50
Elgington	3	10	5	16	6	14	10	29	0	93	8	3	7	14	4	6	4	17	63
Fremont Centre	3	5	7	11	9	19	29	10	0	93									
Manchester	8	5	1	1	21	8	30	18	1	93	4	0	2	0	4	8	15	11	44
Marengo	1	2	9	11	7	41	15	4	0	90	0	0	0	0	1	0	0	0	1
Ottawa	8	8	8	4	14	9	28	12	0	91	0	0	0	0	0	1	4	2	7
Pekin	8	2	6	7	21	11	10	16	3	84									
Peoria	3	7	15	3	17	8	38	2	0	93	2	0	0	0	0	2	13	2	19
Riley	8	0	1	5	29	4	24	14	14	99									
Warsaw	4	11	3	29	2	6	5	31	2	93	0	0	0	0	0	5	17	21	43
West Salem	5	7	6	10	14	2	6	28	15	93	0	0	0	0	3	10	33	8	54
Winnebago	5	6	7	12	11	17	16	19	0	93	0	2	0	0	0	0	0	0	2

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI—																			
Cape Girardeau	14	7	0	24	28	6	7	36	2	124									
Palmyra	1	8	8	18	0	11	17	31	25	119	1	2	3	3	5	21	27	28	90
St. Louis	2	11	11	13	10	9	26	11	0	93									
WISCONSIN—																			
Appleton	4	7	1	3	6	39	10	22	1	93	4	6	0	5	6	34	11	26	92
Beloit	22	1	3	3	29	15	11	9	0	93	3	0	1	0	0	0	2	1	7
Kenosha	6	2	7	3	3	15	17	9	28	90									
Madison, [Schue]	5	2	0	5	14	19	18	17	13	93									
Madison, [Sterling]	6	2	0	2	15	21	17	14	14	91									
Manitowoc	10	4	7	7	8	14	24	19	0	93	1	0	0	0	0	2	1	7	11
Milwaukee, [Pomeroy]	3	4	3	4	3	8	6	0	0	31									
Milwaukee, [Winkler]	0	9	9	9	1	25	12	28	0	93									
New London	17	0	0	0	10	23	26	17	0	93	13	0	0	0	5	11	14	20	63
Norway	5	4	5	2	19	14	27	17	0	93	1	2	0	1	3	7	22	3	49
Platteville	0	5	6	20	0	13	10	39	0	93	0	0	2	17	0	13	6	23	61
Prescott	12	0	0	14	31	6	1	10	19	93	6	4	0	2	1	0	0	4	17
Racine	0	2	0	13	9	8	40	10	0	82	2	0	2	1	0	0	6	5	16
Waukesha	3	8	2	8	4	32	6	21	0	84									
IOWA—																			
Bellevue	9	3	3	19	8	10	19	22	0	93	1	1	0	0	1	1	5	7	16
Border Plains	15	3	1	15	18	7	6	28	0	93	0	0	0	2	1	7	7	13	30
Fort Madison	3	17	1	15	3	19	6	29	0	93	0	0	0	0	2	14	28	16	60
Franklin	3	2	2	15	14	8	11	29	9	93									
Maquoketa	9	9	7	5	5	7	14	2	8	66	1	0	13	1	2	0	0	1	18
Muscatine	0	21	2	25	0	13	0	32	0	93	0	0	0	0	0	12	0	7	19
Pleasant Plain	2	2	19	16	5	7	8	31	0	90	2	0	0	2	0	1	16	10	31
MINNESOTA—																			
Hazlewood	2	1	2	9	24	6	6	43	0	93	1	1	4	1	7	1	4	5	24
Lake Winnibigoshish	12	4	1	11	16	11	5	7	10	77	2	0	0	1	1	0	6	6	16
Princeton	18	3	8	5	14	5	11	6	23	93	7	1	1	1	4	0	7	1	22
KANSAS—																			
Council City	6	6	7	10	15	4	2	28	11	89									
Manhattan	2	5	8	3	0	5	2	3	3	31									
UTAH—																			
Great Salt Lake City	20	5	19	16	30	5	11	18	0	124	14	0	1	0	6	0	10	1	32
CALIFORNIA—																			
Sacramento	12	3	7	11	15	22	2	21	0	93	2	1	0	7	4	27	1	11	53
San Francisco	11	0	0	0	10	1	20	2	49	93	9	3	0	0	9	11	21	8	61
WEST INDIES—																			
St. George's, Bermuda	1	3	0	2	2	15	2	6	0	31									
AZORES—																			
Horta, Fayal	7	24	1	0	2	38	4	9	7	92	4	21	1	0	2	36	3	8	75

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	9	20	0	4	14	8	21	14	0	90	9	14	0	4	12	8	17	12	76
St. John's	6	18	0	0	9	12	13	32	0	90									
St. Martin	0	28	0	19	6	20	4	13	0	90									
Stanbridge	6	13	10	10	16	5	12	8	10	90									
Toronto	6	10	3	9	3	19	3	34	3	90									
Wolfville	2	3	12	9	6	13	22	16	6	89	5	1	5	9	5	9	22	6	62
MAINE—																			
Cornish, [Guptill]	7	20	4	8	6	15	13	17	0	90	1	0	0	0	1	0	0	0	2
Cornish, [West]	4	22	5	7	7	15	17	13	0	90	1	3	0	1	1	4	9	4	23
Gardiner	2	21	7	8	5	13	6	11	17	90	0	10	0	3	3	13	2	5	36
Monson	8	13	10	6	16	5	10	22	0	90									
Perry	1	10	5	17	12	21	3	21	0	90	6	1	3	12	3	10	3	4	42
Portland	6	16	8	8	17	8	15	12	0	90	3	2	1	1	7	5	10	4	33
Steuben	0	26	4	3	0	32	7	15	3	90	2	6	3	0	0	20	4	8	43
NEW HAMPSHIRE—																			
Concord	3	17	6	14	4	14	0	32	0	90									
Francestown, [Bixby]	0	8	7	8	0	15	10	42	0	90	2	8	6	7	0	12	20	34	89
Manchester	2	12	4	6	14	6	9	19	0	72	2	10	3	7	6	9	11	12	60
North Barnstead	1	27	0	2	1	11	9	38	0	89	4	12	4	1	2	12	13	4	52
West Enfield	6	7	3	5	15	13	5	36	0	90	7	4	5	4	3	8	10	22	63
VERMONT—																			
Brandon	29	4	2	5	24	6	10	7	3	90	13	2	1	7	3	7	5	14	52
Craftsbury	5	13	11	4	20	16	8	12	1	90	3	7	4	2	5	11	18	9	59
Norwich	8	8	2	1	11	13	7	12	1	63	7	12	13	12	2	0	5	2	53
Rupert	0	8	0	0	0	0	0	0	0	08	15	27	0	13	15	9	0	3	82
St. Johnsbury	7	0	9	3	12	17	1	38	0	87									
Shelburn	42	0	1	0	41	0	0	3	0	87	1	7	5	19	0	0	0	0	32
MASSACHUSETTS—																			
Amherst	4	15	5	10	6	11	6	27	0	84	0	4	2	1	0	14	3	9	33
Bridgewater	5	18	7	6	5	19	10	20	0	90	5	9	7	10	0	7	3	1	42
Cambridge	2	15	9	4	8	25	11	10	6	90									
Florida	0	19	2	3	0	21	10	35	0	90	0	20	1	2	0	21	10	22	76
Lawrence	0	13	2	13	1	28	8	25	0	90	0	1	0	1	2	7	3	0	14
Mendon	0	17	4	1	3	33	0	32	0	90	1	17	1	1	4	28	1	15	71
Nantucket	3	14	8	9	6	24	6	15	4	89									
Newburyport	5	16	4	2	15	6	23	4	0	75									
New Bedford	1	19	5	7	3	24	11	20	0	90	2	2	0	0	0	5	8	3	20
Richmond	0	26	0	14	0	13	0	37	0	90	1	21	0	11	0	16	1	32	82
Southwick	4	15	3	3	9	6	3	19	6	68	1	3	0	1	6	7	2	4	24
Westfield	8	10	5	12	6	9	18	17	0	85	0	0	0	0	0	1	0	0	1
Weymouth	0	5	4	6	0	18	3	24	0	60									
Williamstown	4	7	3	13	16	10	9	27	0	89	1	0	0	0	3	1	3	2	10
Worcester	8	9	10	0	6	10	29	16	0	88									
RHODE ISLAND—																			
Providence	2	19	4	1	9	19	2	33	0	89									
CONNECTICUT—																			
Columbia	0	19	0	2	1	15	3	40	10	90	0	19	2	1	2	7	2	31	64
New London	6	12	4	9	5	33	5	16	0	96									
Norwich	1	16	1	8	7	16	7	20	14	90									
Pomfret	2	20	1	4	13	14	3	32	0	89	1	17	0	3	7	8	1	17	54
Saybrook	2	7	2	6	6	15	12	7	8	65	0	2	0	0	2	5	6	4	19
Wallingford	1	15	1	3	11	16	7	22	11	87	2	9	3	0	2	14	16	6	52
NEW YORK—																			
Angelica	0	7	0	6	2	45	11	19	0	90	0	0	0	0	0	23	13	22	58
Baldwinsville	10	3	10	2	1	18	10	35	0	89	2	2	5	0	1	0	32	29	71
Beverly	10	15	0	14	4	23	2	18	2	88	0	11	2	10	4	14	10	11	62
Blackwell's Island	13	10	5	5	13	11	15	18	0	90	4	2	2	1	3	4	5	7	28
Cazenovia	2	2	2	7	11	8	13	42	2	89	2	0	1	4	2	11	19	36	75
Clinton	6	2	3	6	13	16	23	21	0	90	6	1	2	1	2	7	17	9	45
Eden	5	5	10	2	29	15	9	2	0	77	5	0	1	0	3	10	15	6	40
Fishkill Landing	4	19	2	17	9	12	11	16	0	90	3	0	0	1	3	4	21	0	32
Flatbush	4	9	7	5	15	12	21	17	0	90	3	4	1	1	1	10	11	8	39

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
McGrawville	0	0	3	21	0	10	33	15	8	90									
Morrisania	9	10	10	10	12	6	11	10	0	78									
New York city	0	12	6	17	1	13	19	22	0	90	5	6	2	5	1	18	24	3	64
Nichols	11	0	0	0	11	1	3	2	2	30									
Ogdensburgh	5	9	0	0	4	6	1	5	0	30									
Oswego	2	15	5	9	9	6	40	2	2	90									
Ovid	4	2	4	8	10	20	17	25	0	90	4	1	1	0	8	13	23	21	71
Penn Yan	11	8	0	2	10	18	32	9	0	90									
Plainville	3	3	4	1	5	5	60	2	0	83	0	1	57	0	1	1	7	0	67
Rochester, [Harkness]	8	7	3	1	6	5	25	5	30	90									
Rochester, [Palmer]	10	5	2	6	8	19	29	11	0	90	7	5	1	2	4	10	30	14	73
Sag Harbor	2	14	9	1	21	8	22	12	1	90	2	6	2	1	5	11	5	6	38
Saratoga	2	10	0	3	5	16	2	52	0	90	3	11	1	3	4	17	3	48	90
Sennett	21	4	1	4	20	8	8	16	0	82	5	0	2	0	1	3	11	4	26
Spencertown	14	13	3	4	8	10	9	29	0	90	20	9	8	3	6	9	9	13	77
Townsendville	4	5	1	15	2	14	17	26	6	90	2	1	0	0	1	10	20	9	43
Utica	7	0	4	8	9	2	3	17	39	89									
Wampsville	0	1	3	5	14	9	54	4	0	90	0	0	3	3	12	10	43	5	76
Waterford	14	11	0	0	23	12	22	1	7	90									
Wellsville	0	0	33	1	0	0	56	0	0	90	1	0	0	1	1	3	2	0	8
NEW JERSEY—																			
Bloomfield	0	18	0	2	1	29	1	35	0	86									
Burlington	10	20	6	2	3	12	14	20	0	87	4	4	1	0	3	9	13	12	46
Lambertville	1	11	1	10	11	7	5	35	0	81									
Newark	1	12	4	8	3	7	11	16	1	63									
Sergeantsville	9	10	10	2	3	8	18	30	0	90	10	10	6	0	2	11	10	15	64
PENNSYLVANIA—																			
Bedford	1	3	0	7	0	7	2	33	0	53	1	3	0	3	0	7	2	24	40
Berwick	3	1	14	7	3	6	22	9	2	67									
Cannonsburg	0	3	4	1	1	5	58	17	1	90									
Carlisle	1	3	4	10	3	14	11	20	19	85	1	1	4	3	3	12	8	15	47
Chromedale	8	12	5	12	4	6	0	30	13	90	0	5	2	1	0	12	10	18	48
Easton	5	5	3	7	10	1	22	23	14	90	2	3	2	1	3	10	19	16	56
Fleming	1	4	9	12	0	2	16	46	0	90	2	1	4	0	2	2	39	13	63
Gettysburg	12	4	3	3	19	8	19	12	6	86	1	5	1	4	3	14	24	11	63
Harrisburg, [Heisely]	10	3	2	17	8	0	1	48	0	89	3	0	0	5	3	0	0	22	33
Harrisburg, [Hickok]	13	4	10	0	14	9	31	9	0	90	0	0	0	0	3	1	1	0	5
Lewisburg	9	1	3	6	13	4	20	17	16	89	4	0	2	3	4	7	13	7	40
Meadville	3	0	2	2	11	9	7	22	34	90	2	0	2	2	1	9	15	10	41
Morrisville	4	17	0	6	9	20	9	14	11	90	2	11	0	2	5	12	17	10	59
Murrysville	0	3	11	1	1	28	12	15	19	90	0	3	0	1	0	18	16	18	56
Nazareth	15	8	2	4	10	11	17	12	3	82	5	1	1	0	8	7	11	8	41
Norristown	1	4	5	6	1	8	36	17	0	78	0	6	3	0	2	4	29	20	64
North Whitehall	10	0	3	4	6	9	7	14	37	90	7	1	1	1	3	6	10	12	41
Philadelphia	4	9	2	10	4	24	16	21	0	90	0	0	0	0	1	5	3	4	13
Pocopson	13	6	4	3	6	21	31	6	0	90	2	2	1	1	0	6	10	2	24
Shamokin	0	1	10	5	5	3	55	11	0	90	1	0	1	0	0	7	52	5	66
Tarentum	6	1	5	1	4	18	20	7	28	90	8	1	0	1	3	6	36	9	64
DELAWARE—																			
Newark, [Craven]	1	12	1	6	0	4	5	31	0	60	0	7	0	3	0	1	5	17	33
MARYLAND—																			
Annapolis	18	14	0	8	19	14	4	12	1	90	11	3	1	1	12	17	4	0	49
Bladensburg	5	1	5	9	2	8	7	19	0	56									
Frederick	0	6	0	1	10	15	18	30	10	90	1	0	0	1	4	2	40	3	51
Ridge	11	8	1	19	13	6	2	22	0	82									
Sykesville	1	1	2	19	6	15	29	17	0	90	0	2	3	8	2	9	45	3	72
DISTRICT OF COLUMBIA—																			
Washington, [Smith. In.]	0	15	1	14	0	12	6	41	1	90									
VIRGINIA—																			
Alexandria	14	14	1	1	8	10	7	35	0	90									
Ashland	0	0	0	0	4	25	1	24	36	90	3	0	0	0	0	7	21	7	38
Berryville	10	3	9	12	8	2	25	20	0	89	2	2	0	3	3	9	13	6	38

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Capon Bridge	1	1	3	1	4	4	31	13	22	80	2	1	1	3	2	1	35	7	52
Crack Whip	26	5	2	8	13	3	3	16	14	90	0	0	0	0	1	3	3	4	11
Crichton's Store	20	5	2	4	8	35	10	6	0	90									
Kanawha	0	0	0	19	10	6	20	32	3	90	0	6	36	13	2	1	0	1	59
Lewisburg	1	0	0	0	0	2	1	0	0	4	3	0	0	0	3	1	24	6	37
Montross	7	8	7	7	7	7	14	14	19	90	3	6	13	6	1	0	0	1	30
Mossy Creek	5	20	0	6	2	34	1	22	0	90	6	7	0	0	0	10	3	22	48
Mustapha	9	0	0	0	12	2	4	3	0	30									
Poplar Grove	0	0	12	2	0	2	16	22	36	90	2	1	0	0	1	14	30	18	66
Portsmouth	14	14	7	15	5	9	5	21	0	90									
Rose Hill	10	18	8	6	12	7	1	10	12	84									
Rougement	10	12	4	4	28	5	17	9	0	89	6	2	1	0	6	7	28	8	58
Smithfield	4	14	11	6	16	14	13	10	0	88	4	6	0	1	1	5	11	11	39
Winchester	0	0	0	5	4	6	19	10	46	90	0	0	0	0	1	2	6	2	11
Wirt Court-House	0	4	0	6	2	45	0	29	4	90	0	3	0	1	1	62	1	11	79
NORTH CAROLINA—																			
Chapel Hill	8	14	4	4	4	17	25	14	0	90	0	2	0	0	4	24	11	5	46
Goldsborough	11	11	7	1	16	4	25	6	1	82	2	0	0	0	2	0	0	0	4
Murfreesborough	1	11	5	16	4	14	17	9	13	90	2	6	1	3	1	5	28	2	48
SOUTH CAROLINA—																			
All Saints	11	9	5	8	18	20	12	7	0	90	5	1	0	3	0	19	24	3	55
Camden	5	17	2	5	0	22	11	26	2	90	3	2	0	3	0	11	23	9	51
Charleston, [Johnson]	0	5	3	3	2	8	1	8	0	30									
Charleston, [Dawson]	0	10	6	9	1	23	0	11	0	60									
GEORGIA—																			
Athens	2	7	4	4	4	5	16	19	24	85	1	0	0	0	0	0	0	0	1
Augusta	14	4	6	12	6	9	20	4	0	75									
Factory Mills	3	4	10	11	7	11	21	20	0	87	0	0	0	0	1	0	0	0	1
Savannah	6	14	6	9	11	17	7	20	0	90	0	0	0	1	0	0	2	0	3
Sparta	0	11	4	14	3	19	8	31	0	90	0	2	0	2	1	15	12	11	43
The Rock	4	3	2	23	3	6	18	31	0	90	0	0	0	0	0	2	0	0	2
Whitemarsh Island	2	20	3	6	13	10	8	19	9	90	1	2	0	7	2	8	15	10	45
Zebulon	0	11	18	7	2	5	36	11	0	90	2	0	1	2	6	6	9	2	28
FLORIDA—																			
Alligator	10	7	11	10	5	10	16	18	3	90	8	2	9	2	8	6	9	3	47
Atsena	13	13	8	5	5	19	12	11	4	90	1	5	3	4	5	15	4	5	42
Belair	19	11	17	16	2	3	5	6	8	87	2	0	2	2	0	15	16	6	43
Gainesville	9	9	8	4	9	20	7	23	0	89									
Jacksonville	4	23	1	4	9	22	1	26	0	90	0	12	1	1	0	26	6	3	49
St. Augustine	7	34	7	4	1	4	1	32	0	90	1	24	3	2	1	5	1	18	55
Salt Ponds	6	8	14	10	1	1	1	16	3	60									
ALABAMA—																			
Auburn	12	5	1	19	10	13	10	19	0	89	6	3	1	6	9	17	4	3	49
Carlowville	26	11	5	2	3	10	16	17	0	90	3	1	0	1	6	2	12	1	26
Greene Springs	0	26	0	0	0	35	0	14	0	75	0	0	1	2	0	14	0	2	19
Greensborough	9	0	1	23	11	5	3	38	0	90	2	1	0	5	1	3	26	6	44
MISSISSIPPI—																			
Columbus	21	3	5	12	13	7	2	27	0	90	4	1	0	3	1	9	14	16	48
Port Gibson	26	6	4	13	6	3	7	4	18	87									
LOUISIANA—																			
Black River	36	4	0	12	28	3	1	6	0	90	2	0	0	1	8	18	8	2	39
New Orleans, [Barton]	15	15	12	10	15	4	6	9	0	86	6	0	0	1	5	10	7	2	31
Trinity	26	4	11	2	32	5	8	1	1	90	2	0	0	1	11	14	7	1	36
TEXAS—																			
Austin	41	0	0	14	22	4	0	9	0	90	5	2	0	7	16	12	7	19	68
New Braunfels	33	1	21	4	14	0	3	3	10	89	0	0	0	1	5	1	7	0	14
Washington	40	0	0	1	35	3	1	3	5	88	0	10	6	9	2	6	0	1	34
TENNESSEE—																			
Glenwood	12	9	3	8	10	5	8	20	15	90	4	1	0	0	2	15	20	21	63
KENTUCKY—																			
Danville	5	6	5	3	5	10	20	36	0	90	4	2	0	0	0	12	17	20	55
Millersburg	8	0	1	4	10	1	12	14	34	84	0	0	0	0	0	1	22	3	26

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—Continued.																			
Paris	1	12	0	7	6	17	23	22	0	88	5	0	2	0	4	3	35	0	49
Springdale	2	12	9	3	6	9	15	22	12	90									
OHIO—																			
Cincinnati, [Harper]	4	2	7	0	1	23	37	16	0	90	1	0	0	0	0	0	0	0	1
Cincinnati, [Hurtt]	5	0	2	2	6	11	41	18	5	90	1	0	0	0	3	4	28	13	49
Cleveland	14	4	4	8	15	17	9	15	1	87	8	0	0	0	3	6	15	4	34
Edinburg	1	30	23	29	0	5	0	2	0	90	0	1	0	0	0	21	27	17	66
Farmers' College	4	4	0	7	4	7	15	21	24	86	4	0	1	0	2	8	15	16	46
Hillsborough	0	14	1	14	3	21	2	35	0	90	1	6	0	0	0	12	2	15	36
Hiram	10	2	5	4	20	15	16	13	5	90	2	0	1	0	4	4	22	5	38
Jefferson	2	7	0	7	0	16	16	42	0	90	2	7	0	5	0	17	16	29	76
Madison, [Atkins]	1	6	2	4	11	10	26	11	1	72	0	0	0	0	0	1	2	1	4
Madison, [Cunningham]	1	9	2	3	8	18	19	17	13	90	4	6	1	0	1	30	20	13	75
Medina	5	4	2	3	3	19	25	26	0	87	2	0	0	5	0	14	38	23	82
Oberlin	7	6	2	4	10	19	13	20	9	90	2	0	2	0	1	4	32	5	46
Portsmouth	0	4	1	8	14	31	22	9	0	89									
Savannah	7	0	0	4	0	18	35	26	0	90	5	0	0	4	0	19	26	20	74
Sidney	1	3	1	4	5	30	14	15	1	74	0	4	0	2	1	29	16	17	69
Urbana	3	3	2	14	6	13	12	8	29	90	8	0	0	1	4	10	33	15	71
Welchfield	5	5	2	8	9	21	22	18	0	90	0	0	0	0	0	1	1	0	2
MICHIGAN—																			
Battle Creek	9	4	8	10	10	6	29	6	8	90	5	0	0	2	1	8	45	13	74
Cooper	2	1	0	0	0	0	65	0	22	90	0	0	1	0	0	3	52	0	56
Copper Falls Mines	15	26	2	16	5	11	8	5	1	89									
Grand Rapids, [Streng]	14	9	9	8	9	3	20	18	0	90	12	4	5	0	5	10	34	6	76
Grand Rapids, [Currier]	3	20	1	6	1	19	13	10	17	90	1	1	0	0	0	5	7	1	15
Monroe	4	12	20	22	2	13	0	16	0	89	3	20	15	12	2	11	0	25	88
INDIANA—																			
Cannelton	8	1	7	12	6	5	7	44	0	90	4	0	3	3	2	2	2	22	38
Evansville	20	6	7	3	7	5	16	23	0	87	7	0	1	0	0	4	19	16	38
Logansport	19	4	1	9	5	13	22	17	0	90									
Michigan City	19	11	3	10	4	9	3	29	2	90	14	7	4	8	3	4	2	20	62
New Albany	9	7	0	9	6	16	7	36	0	90	6	1	0	8	5	11	5	21	57
New Harmony	8	1	8	12	7	2	23	16	0	77	1	0	0	0	0	0	4	0	5
Richmond	0	3	6	8	4	17	19	12	15	84	0	0	0	0	0	1	0	0	1
ILLINOIS—																			
Albion	5	5	2	7	0	2	4	24	0	49	0	0	0	0	0	0	0	7	7
Athens	0	6	1	26	1	7	6	32	0	79	1	4	0	5	1	12	11	39	73
Augusta	5	8	3	9	8	12	14	25	6	90	3	2	0	1	5	6	12	15	44
Batavia	0	22	0	6	0	28	2	32	0	90									
Brighton	1	10	4	21	14	8	14	18	0	90	0	0	3	3	6	9	4	4	29
Chicago	11	7	13	9	5	12	23	8	2	90	7	4	3	0	2	16	15	11	58
Edgington	3	13	0	15	14	6	4	35	0	90	3	8	0	10	10	7	5	32	75
Fremont Centre	7	8	9	15	4	7	31	9	0	90									
Manchester	12	9	6	4	14	7	12	24	2	90	11	7	1	4	8	5	12	17	65
Marengo	4	5	13	10	8	30	15	5	0	90									
Ottawa	11	4	5	10	8	6	29	7	0	80	3	0	0	0	0	2	0	1	6
Pekin	14	4	5	10	18	2	9	25	3	90	6	1	0	5	5	6	5	16	44
Peoria	14	1	11	3	23	4	30	4	0	90	4	1	0	0	1	1	9	3	19
Riley	5	6	8	6	7	4	25	18	8	87									
Upper Alton	1	0	1	0	0	0	0	0	0	2	3	5	7	11	4	17	9	32	88
Warsaw	8	10	1	23	5	8	2	33	0	90	0	5	0	1	2	12	11	23	54
West Salem	9	5	9	5	9	1	8	30	14	90	0	0	0	0	2	5	39	3	49
West Urbana	2	22	0	20	0	20	3	23	0	90	0	0	0	0	0	2	3	6	11
Winnebago	6	15	3	18	2	14	10	22	0	90	1	5	0	0	0	4	6	14	30
MISSOURI—																			
Cape Girardeau	8	7	4	20	13	13	9	44	2	120	6	0	0	4	3	13	23	39	88
Palmyra	0	16	0	17	1	6	20	41	17	118	1	6	1	7	5	13	29	25	83
St. Louis	4	7	10	12	7	5	32	13	0	90									
WISCONSIN—																			
Appleton	2	29	0	7	9	17	10	16	0	90	2	29	0	6	9	17	10	17	90
Beloit	31	4	0	1	26	13	7	8	0	90	4	0	0	0	2	0	7	0	13

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Janesville	13	6	2	23	3	9	26	8	0	90	----	----	----	----	----	----	----	----	----
Kenosha	4	12	4	3	10	11	13	4	26	87	----	----	----	----	----	----	----	----	----
Madison, [Schue]	9	8	9	9	6	8	19	19	0	87	----	----	----	----	----	----	----	----	----
Madison, [Sterling]	15	2	2	3	15	9	12	23	7	88	0	1	0	1	0	0	0	0	2
Manitowoc	18	6	4	12	8	13	10	19	0	90	4	2	1	0	2	5	7	10	31
Milwaukee, [Pomeroy]	11	9	8	22	1	11	13	15	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	9	18	10	19	1	7	8	18	0	90	----	----	----	----	----	----	----	----	----
New London	25	3	1	4	6	23	17	11	0	90	19	9	0	3	0	5	19	18	73
Platteville	15	11	4	12	6	3	13	26	0	90	8	5	4	5	0	5	18	20	65
Racine	12	9	7	12	15	9	10	4	0	78	7	2	2	0	5	1	1	2	20
Waukesha	4	27	5	17	11	18	9	8	0	89	1	3	4	5	2	6	5	7	33
IOWA—																			
Bellevue	0	1	0	5	1	1	4	7	0	19	0	0	0	1	0	1	2	6	10
Border Plains	14	8	1	5	21	3	5	33	0	90	1	0	0	0	1	7	9	4	22
Fort Madison	7	8	0	13	5	20	5	32	0	90	8	3	1	3	3	4	34	11	67
Franklin	14	2	0	6	18	7	10	28	5	90	----	----	----	----	----	----	----	----	----
Maquoketa	4	4	3	3	5	4	9	11	2	45	----	----	----	----	----	----	----	----	----
Muscatine	6	9	0	15	4	23	5	28	0	90	0	5	0	1	0	16	0	16	38
Pleasant Plain	18	6	0	12	6	10	10	22	3	87	6	0	0	0	0	9	7	16	38
MINNESOTA—																			
Hazlewood	10	1	1	6	12	6	4	50	0	90	7	0	1	2	0	1	3	3	17
Princeton	13	5	4	1	8	2	21	25	11	90	5	0	5	1	5	2	10	6	34
KANSAS—																			
Council City	4	1	6	7	17	3	6	37	9	90	----	----	----	----	----	----	----	----	----
UTAH—																			
Great Salt Lake City	44	5	10	5	19	2	12	23	0	120	11	1	3	0	2	0	6	0	23
CALIFORNIA—																			
Sacramento	20	1	5	9	19	25	2	9	0	90	5	2	1	4	1	6	0	0	19
San Francisco	4	0	0	0	3	1	40	0	42	90	1	0	0	0	9	8	29	0	47
WEST INDIES—																			
St. George's, Bermuda	3	1	2	5	1	9	1	8	0	30	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	10	48	23	7	2	0	0	0	0	90	0	20	34	17	0	0	1	0	72
AZORES—																			
Horta, Fayal	6	15	14	14	4	5	12	5	15	90	3	14	12	9	3	5	10	10	66

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	5	23	0	2	7	19	31	6	0	93	3	20	0	1	8	19	23	7	81
St. John's	12	7	7	1	8	27	21	10	0	93									
St. Martin	2	19	1	17	4	36	2	12	0	93									
Stanbridge	3	12	5	23	29	0	15	1	5	93									
Toronto	3	20	1	12	1	23	1	24	8	93									
Windsor	11	7	5	9	5	21	10	18	7	93	0	0	0	1	0	2	11	4	18
Wolfville	3	12	13	1	2	14	22	5	21	93	1	4	3	4	0	12	32	2	58
MAINE—																			
Cornish, [Guptill]	3	10	3	19	11	14	15	15	0	90	0	0	0	0	0	0	1	0	1
Cornish, [West]	3	17	8	10	6	27	12	10	0	93	0	0	0	0	0	5	2	1	8
Gardiner	2	18	1	23	3	17	0	13	15	93	0	1	0	2	1	17	1	7	29
Monson	1	8	8	2	26	11	10	26	1	93									
Perry	4	7	0	15	25	15	2	25	0	93	1	6	0	5	20	9	6	3	50
Portland	11	12	15	4	24	13	6	8	0	93	5	2	0	0	3	8	6	1	25
Steuben	0	25	1	5	0	44	0	16	2	93	1	7	1	6	0	22	7	3	47
NEW HAMPSHIRE—																			
Concord	1	17	0	17	4	24	2	26	2	93	0	0	0	0	0	1	3	0	4
Francestown, [Bixby]	8	4	16	12	6	18	16	13	0	93	1	0	22	7	1	17	25	8	81
Manchester	5	4	15	7	7	24	8	11	0	81	1	2	19	8	3	21	5	1	60
North Barnstead	3	23	0	5	1	15	16	30	0	93	1	16	0	1	3	10	15	5	51
Shelburne	0	0	30	0	0	0	50	0	4	84	0	7	9	7	0	0	15	20	58
West Enfield	3	5	2	13	32	7	7	24	0	93	5	3	4	15	9	1	14	18	69
VERMONT—																			
Brandon	20	0	2	5	29	4	9	16	8	93	6	5	3	0	4	12	12	9	51
Craftsbury	4	11	4	8	31	8	14	11	2	93	4	5	1	3	10	11	24	3	61
Rupert	0	0	6	7	0	0	0	0	0	13	11	45	4	0	5	3	0	9	77
St. Johnsbury	0	3	3	6	22	12	10	36	0	92									
Shelburn	43	0	0	0	43	3	0	4	0	93	2	5	5	9	0	0	0	0	21
MASSACHUSETTS—																			
Amherst	4	9	3	19	5	17	7	24	0	88	0	6	2	1	0	14	8	10	41
Bridgewater	6	19	1	2	10	42	6	7	0	93	4	23	4	3	3	15	2	2	56
Cambridge	1	20	8	1	1	29	9	7	17	93									
Florida	0	16	0	8	0	24	11	34	0	93	0	17	0	9	0	24	7	18	75
Lawrence	0	17	4	17	3	36	0	16	0	93	0	0	0	0	0	2	1	0	3
Mendon	0	24	1	2	6	57	0	3	0	93	0	24	0	2	6	40	0	2	74
Nantucket	2	16	1	7	15	38	1	8	3	91									
New Bedford	6	12	1	5	17	35	6	10	1	93	0	2	0	0	0	4	4	1	11
Newburyport	8	14	1	3	23	4	9	5	0	67									
Southwick	10	12	4	2	18	3	1	7	5	62	1	5	1	1	7	9	2	4	30
Westfield	8	9	11	16	6	11	11	21	0	93	0	0	0	0	1	2	0	0	3
Weymouth	2	7	4	8	2	23	1	15	0	62									
Worcester	10	3	15	2	9	18	18	15	0	90									
RHODE ISLAND—																			
Providence	4	19	0	3	23	23	1	13	0	86									
CONNECTICUT—																			
Columbia	1	13	3	2	14	13	3	19	25	93	1	15	0	2	9	8	3	18	56
New London	5	17	6	14	9	29	5	8	0	93									
Norwich	3	20	1	11	5	8	3	12	28	91									
Pomfret	2	19	0	5	21	16	4	20	0	87	0	12	0	5	12	12	2	8	51
Saybrook	7	15	3	10	7	16	2	5	4	69	0	6	1	2	1	8	5	1	24
Wallingford	7	14	3	17	16	9	4	11	12	93	2	7	5	1	1	20	14	6	56
NEW YORK—																			
Angelica	1	8	5	9	1	32	14	23	0	93	0	1	1	2	0	32	6	6	48
Baldwinsville	1	7	11	1	4	8	48	24	0	84	1	7	3	0	0	7	32	9	59
Beverly	3	4	0	9	1	13	1	11	0	42	1	4	0	4	1	15	2	4	31
Blackwell's Island	10	19	10	12	20	12	6	4	0	93	2	3	3	6	5	3	3	2	27
Cazenovia	1	6	8	7	7	22	6	34	2	93	1	5	3	6	9	17	19	10	70
Clinton	4	4	4	11	11	19	13	27	0	93	3	2	3	2	12	10	12	7	51
Eden	8	7	13	3	35	4	12	0	0	82	3	1	1	1	5	13	12	1	37
Fishkill Landing	1	33	1	13	16	13	8	8	0	93	5	0	3	1	15	2	13	1	40
Flatbush	8	13	7	7	31	11	11	5	0	93	5	3	2	1	2	9	13	5	40
McGrawville	0	3	2	20	0	11	31	19	4	93									

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Morrisania	0	0	4	34	27	24	4	0	0	93									
New York city	2	16	6	19	2	12	26	10	0	93	2	7	1	8	3	23	25	4	73
Nichols	19	0	0	1	10	0	0	0	1	31									
Ogdensburg	0	10	0	0	5	9	0	9	0	33									
Oswego	1	11	12	10	14	10	28	0	7	93									
Ovid	7	5	2	13	12	19	27	8	0	93	0	5	1	1	5	27	25	8	72
Penn Yan	6	14	3	1	10	25	30	4	0	93									
Plainville	2	2	13	8	9	5	42	4	0	85	4	3	31	0	1	4	7	0	53
Rochester, [Harkness]	4	9	12	0	16	4	23	3	22	93									
Rochester, [Palmer]	12	9	3	4	14	25	16	10	0	93	5	6	2	0	4	16	17	14	64
Sag Harbor	2	13	5	6	33	9	10	6	2	86	2	4	1	0	5	9	5	2	28
Saratoga	3	15	2	7	7	43	9	7	0	93	4	15	1	8	9	42	5	9	93
Spencertown	16	10	2	7	15	19	10	14	0	93	9	4	3	2	5	16	21	23	83
Utica	17	22	2	3	1	0	2	1	35	89									
Wampsville	0	3	17	3	22	1	44	3	0	93	0	5	15	3	16	2	32	1	74
Waterford	28	0	0	0	24	26	12	0	3	93									
Wellsville	0	0	41	0	0	0	49	2	1	93	1	0	0	0	3	2	2	0	8
NEW JERSEY—																			
Bloomfield	2	11	0	15	1	32	7	25	0	93									
Burlington	6	13	8	3	12	21	20	7	1	91	6	6	1	2	8	15	9	7	54
Lambertville	2	13	1	12	14	22	3	22	0	89									
Newark	3	8	4	12	4	17	2	12	0	62									
Sergeantsville	5	4	8	3	5	12	42	14	0	93	4	6	8	3	3	7	12	6	49
PENNSYLVANIA—																			
Bedford	2	2	0	20	0	24	4	26	0	78	3	2	0	14	0	17	3	18	57
Berwick	0	4	35	9	5	5	32	3	0	93									
Cannonsburg	0	4	22	1	3	8	48	4	2	92									
Carlisle	0	10	2	7	4	20	13	8	22	86	0	10	1	5	3	12	7	5	43
Chromedale	10	21	3	13	10	6	7	13	10	93	2	4	1	0	3	18	13	10	51
Easton	6	9	2	12	15	6	15	13	15	93	4	4	1	4	6	14	16	6	55
Fleming	1	4	12	12	4	16	11	31	0	91	5	0	9	2	2	7	28	11	64
Gettysburg	2	5	7	0	23	18	20	4	14	93	1	3	4	2	11	13	18	0	52
Harrisburg, [Heisely]	9	4	8	9	11	6	39	16	0	93	2	0	1	1	6	5	18	5	38
Harrisburg, [Hickok]	17	6	13	2	14	7	24	10	0	93	0	0	0	0	0	0	2	0	2
Lewisburg	10	10	1	11	16	7	8	11	18	92	5	1	0	2	4	12	13	3	40
Meadville	1	2	2	2	15	6	9	14	39	90	4	0	2	4	5	18	15	11	59
Morrisville	5	16	5	5	14	18	10	10	10	93	2	11	1	4	4	12	18	8	60
Murrysville	3	8	9	2	2	33	11	8	16	92	5	2	0	0	5	38	5	13	68
Nazareth	10	15	9	6	14	13	10	11	1	82	3	1	0	1	4	2	3	2	16
Norristown	1	4	3	8	12	11	30	9	0	78	0	3	8	1	4	12	27	8	63
North Whitehall	9	8	8	4	10	9	6	7	32	93	7	6	4	1	5	9	6	3	41
Philadelphia	1	16	3	7	8	36	4	18	0	93	0	2	0	0	2	9	3	4	20
Pocopson	7	9	6	4	8	38	8	7	0	87	3	4	1	0	3	18	11	3	43
Shamokin	1	2	9	12	1	14	49	5	0	93	1	6	0	0	0	7	45	0	59
Tarentum	6	4	5	1	7	19	9	10	32	93	5	3	1	1	4	16	33	11	74
West Haverford	5	8	0	6	4	26	5	5	4	63	4	2	1	0	1	9	14	8	39
DELAWARE—																			
Newark	5	16	4	13	3	17	6	23	0	87	3	11	5	7	4	10	5	12	57
MARYLAND—																			
Annapolis	15	15	2	12	19	19	4	5	2	93	3	1	0	3	4	32	4	2	49
Bladensburg	1	9	3	7	1	20	2	14	0	57									
Frederick	5	10	3	4	9	16	14	17	14	92	4	0	0	0	4	9	28	4	49
Ridge	4	13	4	17	13	9	1	14	0	75									
Sykesville	4	3	7	20	11	19	17	12	0	93	0	1	5	5	2	15	39	8	75
DISTRICT OF COLUMBIA—																			
Washington, [Smith Inst.]	2	13	1	24	3	23	4	19	4	93									
VIRGINIA—																			
Alexandria	7	15	2	13	27	10	6	13	0	93									
Berryville	7	2	4	10	16	20	21	5	2	87	7	3	3	0	3	18	12	5	51
Crack Whip	7	1	20	22	16	2	8	8	9	93	2	0	0	2	7	4	15	0	30
Crichton's Store	20	3	7	4	12	39	5	3	0	93	0	0	0	0	1	10	0	0	11
Kanawha	0	3	1	22	20	13	14	17	3	93	2	17	24	4	6	3	1	2	59

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Lewisburg	0	0	0	0	0	0	1	0	0	1	1	1	4	2	6	9	21	3	47
Montross	3	5	5	12	9	23	8	5	21	91	5	10	8	1	1	3	1	1	30
Mossy Creek	8	28	3	1	2	29	7	15	0	93	2	13	1	0	1	10	5	20	52
Poplar Grove	0	0	17	1	0	4	24	8	38	92	5	3	4	0	8	19	21	7	67
Portsmouth	12	12	5	10	10	23	5	16	0	93	----	----	----	----	----	----	----	----	----
Rose Hill	4	14	2	11	7	24	2	3	17	84	----	----	----	----	----	----	----	----	----
Rougemont	4	2	18	0	28	2	26	6	2	88	3	0	6	0	6	4	34	4	57
Sistersville	10	18	1	10	19	4	0	0	21	83	4	2	0	0	5	13	1	1	26
Smithfield	4	7	10	7	21	13	3	6	0	71	1	0	2	1	6	7	16	9	42
Winchester	2	0	0	12	3	8	17	3	48	93	1	0	0	0	2	0	4	1	8
Wirt Court-House	1	5	0	9	3	40	0	17	18	93	1	4	3	11	3	50	1	4	77
NORTH CAROLINA—																			
Chapel Hill	13	8	10	1	15	19	24	3	0	93	4	2	3	2	15	19	8	1	54
Murfreesborough	2	14	5	8	5	27	5	11	15	92	0	5	2	1	2	14	26	3	53
Warrenton	0	20	1	35	0	23	0	14	0	93	0	14	0	0	0	0	0	0	14
SOUTH CAROLINA—																			
All Saints	4	11	9	7	23	30	8	1	0	93	3	6	3	1	19	17	13	4	66
Camden	0	14	3	9	6	24	14	18	5	93	4	5	0	4	3	24	13	10	63
Charleston, [Dawson]	0	9	3	11	6	25	3	5	0	62	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	1	6	0	9	4	11	2	6	8	47	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Athens	1	6	6	8	1	16	5	26	19	88	----	----	----	----	----	----	----	----	----
Augusta	13	5	6	16	14	5	16	5	0	80	----	----	----	----	----	----	----	----	----
Factory Mills	2	9	23	11	5	6	20	12	0	88	----	----	----	----	----	----	----	----	----
Savannah	4	5	11	13	24	21	5	10	0	93	1	0	0	0	0	2	4	0	7
Sparta	4	14	2	16	8	28	7	14	0	93	3	3	2	4	9	21	7	6	55
The Rock	3	7	6	21	4	12	15	25	0	93	----	----	----	----	----	----	----	----	----
Whitemarsh Island	1	13	3	10	28	8	12	11	7	93	2	1	0	3	4	14	7	9	40
Zebulon	3	8	13	15	2	12	33	7	0	93	5	3	0	3	9	9	7	6	42
FLORIDA—																			
Alligator	8	3	12	11	9	6	22	8	14	93	3	0	1	0	4	2	6	1	17
Atsena	9	13	9	2	5	11	18	13	2	82	0	2	3	3	4	11	6	8	37
Belair	5	11	14	18	11	6	10	7	11	93	0	0	0	2	0	23	27	10	62
Gainesville	3	3	27	14	9	15	13	9	0	93	----	----	----	----	----	----	----	----	----
Jacksonville	2	28	2	12	4	25	2	17	1	93	0	9	0	2	1	41	0	0	53
St. Augustine	3	43	9	14	0	8	5	11	0	93	1	20	5	16	0	7	9	7	65
Salt Ponds	22	8	7	16	0	0	2	7	0	62	----	----	----	----	----	----	----	----	----
Warrington	1	8	1	18	4	45	4	12	0	93	2	8	0	0	0	3	1	12	26
ALABAMA—																			
Auburn	0	0	1	30	12	19	17	10	0	89	3	1	1	3	23	17	5	4	57
Carlowville	9	4	3	10	28	19	7	13	0	93	0	0	0	1	2	7	7	0	17
Greene Springs	0	21	0	2	0	54	2	4	0	83	0	0	0	3	0	17	0	0	20
Greensborough	8	2	2	17	19	4	12	16	0	80	1	0	0	4	8	3	35	4	55
MISSISSIPPI—																			
Columbus	11	3	5	4	18	18	18	16	0	93	7	1	0	0	7	16	17	8	56
LOUISIANA—																			
Black River	21	6	4	9	39	6	0	8	0	93	7	0	0	0	11	18	6	12	54
Trinity	18	1	6	12	43	6	0	7	0	93	5	0	0	2	9	9	12	8	45
TEXAS—																			
Austin	16	4	4	26	34	0	0	9	0	93	12	2	0	16	23	5	15	30	103
New Braunfels	13	1	46	5	11	1	2	3	11	93	0	1	0	0	6	5	6	1	19
Union Hill	18	5	4	24	29	3	1	5	4	93	14	5	5	20	19	4	1	4	72
Washington	66	0	0	0	23	1	1	0	0	91	5	9	3	11	6	4	1	0	39
TENNESSEE—																			
Glenwood	8	14	1	8	21	10	4	11	16	93	7	3	0	0	6	27	28	3	74
KENTUCKY—																			
Danville	17	13	5	3	7	21	12	13	0	91	6	5	2	2	0	25	12	9	61
Millersburg	5	6	12	5	6	6	17	10	21	88	2	1	3	0	0	2	30	5	43
Paris	10	15	0	6	8	23	13	16	0	91	3	1	5	0	11	4	14	0	38
Springdale	9	12	3	1	16	19	5	10	18	93	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total
OHIO—																			
Cincinnati, [Harper]	21	9	2	0	3	18	24	16	0	93									
Cincinnati, [Hurtt]	4	19	2	3	9	29	12	13	2	93	6	6	3	4	3	16	18	3	59
Cleveland	18	6	2	7	17	10	9	15	3	87	3	6	0	0	8	14	15	8	54
Edinburg	0	37	8	22	5	11	0	9	1	93	0	2	0	5	1	19	18	23	68
College Hill	6	18	5	5	7	14	13	8	17	93	2	12	1	2	6	12	11	6	52
Hillsborough	1	25	1	4	5	36	1	20	0	93	1	3	0	0	1	19	4	9	37
Hiram	12	8	8	5	14	23	11	6	6	93	3	3	2	0	5	13	18	8	52
Jefferson	6	8	0	8	6	31	10	24	0	93	6	8	0	6	7	26	12	17	82
Madison, [Atkins]	6	11	2	11	7	4	14	5	0	60	0	0	1	0	1	0	2	0	4
Madison, [Cunningham]	5	18	4	9	10	23	7	9	8	93	9	8	1	0	5	34	8	7	72
Medina	12	9	4	9	4	30	13	12	0	93	9	11	2	6	3	22	30	10	93
Oberlin	12	16	0	1	18	12	17	7	10	93	1	3	1	0	5	9	29	1	49
Savannah	3	7	1	9	2	33	15	23	0	93	3	6	1	5	4	24	12	19	74
Sidney	0	10	4	5	6	33	7	10	0	75	9	11	2	6	3	22	30	10	93
Urbana	3	14	7	7	5	15	11	10	21	93	1	11	1	0	9	15	23	8	68
Welchfield	13	4	6	11	9	25	22	3	0	93	4	6	3	1	6	16	18	6	60
MICHIGAN—																			
Battle Creek	9	13	8	7	11	10	15	16	4	93	4	4	0	0	5	23	11	23	70
Cooper	8	0	3	0	0	0	55	5	22	93	0	0	4	0	1	8	25	2	40
Copper Falls Mines	10	27	6	22	3	5	8	10	0	91									
Grand Rapids, [Currier]	6	28	5	10	3	25	4	4	7	93	4	4	0	1	2	7	5	0	23
Grand Rapids, [Streng]	10	23	6	9	6	15	18	6	0	93	15	8	7	6	4	20	12	5	77
Monroe	1	11	13	19	0	10	12	23	0	89	0	4	9	17	2	9	7	25	73
Port Huron	22	8	0	1	2	24	1	5	0	63	6	3	2	1	0	20	3	8	43
INDIANA—																			
Evansville	10	5	5	1	17	22	13	20	0	93	10	7	1	0	0	4	20	17	59
Logansport	10	16	9	1	9	16	11	21	0	93									
Michigan City	14	27	0	10	6	19	4	7	6	93	10	9	1	1	3	20	6	5	55
New Albany	10	20	4	13	7	22	6	11	0	93	6	11	3	6	3	22	6	7	64
New Harmony	17	7	4	9	9	13	15	8	0	82	2	0	0	0	0	5	9	0	16
Richmond	4	14	6	4	10	14	14	5	21	92	0	0	1	0	0	0	0	0	1
ILLINOIS—																			
Athens	3	23	2	15	3	21	1	17	0	85	4	5	0	1	1	26	15	26	78
Augusta	3	20	9	9	5	18	13	13	3	93	1	6	1	2	2	10	14	5	41
Batavia	0	31	1	5	0	30	2	24	0	93									
Brighton	0	15	7	7	6	37	8	13	0	93	2	3	0	0	4	17	18	10	54
Chicago	21	14	3	6	6	24	9	7	3	93	9	9	0	0	2	26	6	7	59
Fremont Centre	9	18	9	6	20	5	12	14	0	93									
Granville	6	12	3	11	18	14	8	16	5	93	3	13	9	16	3	5	1	3	53
Manchester	7	14	11	3	17	21	16	4	0	93	7	6	6	0	11	12	18	1	61
Marengo	0	10	18	6	17	28	7	7	0	93									
Ottawa	13	12	10	3	6	14	15	7	0	80	0	3	0	0	1	4	2	3	13
Peoria	14	10	19	5	18	7	15	5	0	93	2	2	0	0	0	3	5	3	15
Pekin	12	12	8	2	21	15	2	14	7	93	6	3	3	1	2	11	6	12	44
Riley	10	8	9	7	11	11	11	12	8	87									
Upper Alton											3	24	0	4	0	35	5	22	93
Warsaw	2	18	9	13	8	22	12	9	0	93	5	6	0	0	2	14	10	11	48
West Salem	13	12	3	4	17	14	5	13	12	93	5	2	0	0	1	25	29	1	63
West Urbana	3	32	1	19	12	11	6	9	0	93	1	3	1	0	1	11	1	6	24
Winnebago	11	21	7	13	3	27	3	8	0	93	0	3	0	0	0	3	7	8	21
MISSOURI—																			
Cape Girardeau	20	15	2	10	20	31	8	17	1	124	8	7	0	6	6	36	21	15	99
Palmyra	4	21	4	13	6	16	18	9	24	115	5	9	2	0	5	21	23	8	73
St. Joseph	2	4	16	7	8	7	34	11	33	123									
St. Louis	16	12	4	9	15	13	11	13	0	93									
WISCONSIN—																			
Appleton	6	37	3	5	10	17	2	13	0	93	6	35	3	4	10	21	1	13	93
Bay City	3	55	3	8	15	7	2	0	0	93	2	9	7	0	2	14	11	1	46
Beloit	30	10	2	7	18	14	7	5	0	93	2	0	0	0	1	3	3	0	9
Janesville	9	19	8	10	10	13	8	12	4	93									
Kenosha	5	23	9	6	7	11	5	1	23	90									
Madison, [Schue]	11	26	6	7	10	9	8	10	2	89									

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Madison, [Sterling]	21	7	4	9	26	4	9	9	4	93	1	0	2	3	2	0	1	0	9
Manitowoc	19	14	10	13	7	7	11	12	0	93	1	1	2	2	2	5	7	6	26
Milwaukee, [Pomeroy]	8	29	13	16	0	7	8	12	0	93									
Milwaukee, [Winkler]	12	29	14	15	1	7	9	6	0	93									
New London	22	2	12	6	6	18	18	9	0	93	14	3	11	0	0	10	21	17	76
Platteville	9	13	20	12	6	10	15	8	0	93	6	0	10	4	0	9	28	4	61
Racine	18	9	2	0	31	1	10	2	0	73	5	0	0	0	2	0	4	0	11
Waukesha	4	14	8	3	19	15	1	6	21	91	1	4	0	0	1	0	4	0	10
IOWA—																			
Border Plains	15	6	6	22	16	5	2	21	0	93	1	2	0	0	0	2	2	5	12
Fairfield	7	5	18	6	5	11	5	12	22	91	3	4	25	3	3	0	0	3	41
Fort Madison	4	17	5	18	3	19	5	21	1	93	8	3	2	2	6	21	5	10	57
Franklin	19	1	11	8	15	8	19	6	6	93									
Muscatine	1	26	5	27	2	16	3	13	0	93	0	2	0	0	0	22	1	3	28
Pleasant Plain	7	16	9	8	9	27	6	8	3	93	0	2	0	0	0	12	4	10	28
MINNESOTA—																			
Hazlewood	4	10	5	10	24	5	4	31	0	93	4	4	5	0	3	0	0	5	21
Lake Winnibigoshish	17	11	2	17	6	6	3	8	10	80	1	1	4	2	3	2	3	5	21
Princeton	12	9	15	7	1	6	10	5	26	91	7	4	6	0	3	5	14	2	41
NEBRASKA—																			
Omaha	4	0	0	4	7	4	2	13	5	39	2	4	1	11	3	0	0	2	23
KANSAS—																			
Council City	12	5	6	4	14	2	19	12	19	93									
UTAH—																			
Great Salt Lake City	34	10	9	15	23	5	10	18	0	124	7	1	1	0	5	0	3	0	17
CALIFORNIA—																			
Marysville	33	0	0	7	53	0	0	0	0	93									
Sacramento	5	1	1	27	24	18	2	15	0	93	0	1	0	3	13	19	0	1	37
San Francisco	0	0	0	0	3	4	52	1	30	90	0	0	0	0	0	10	28	5	43
WEST INDIES—																			
St. George's, Bermuda	1	5	1	6	0	15	0	3	0	31									
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	6	29	21	29	6	2	0	0	0	93	1	10	37	35	0	1	0	0	84
AZORES—																			
Horta, Fayal	13	20	1	0	3	35	3	13	3	91	10	10	0	0	1	28	7	15	71

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	1	11	5	3	13	18	20	16	3	90	0	9	5	5	12	16	17	15	79
Red River Sett cment	16	5	0	2	11	0	0	6	0	40	----	----	----	----	----	----	----	----	----
St. John's	10	25	5	8	22	1	15	4	0	90	----	----	----	----	----	----	----	----	----
St. Martin	0	7	3	22	5	27	4	22	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	1	10	4	19	16	8	22	7	3	90	----	----	----	----	----	----	----	----	----
Toronto	2	19	2	10	3	23	2	24	5	90	----	----	----	----	----	----	----	----	----
Windsor	12	6	0	6	11	11	8	16	19	89	2	0	0	1	0	3	5	3	14
Wolfville	4	7	1	8	7	10	29	9	13	88	6	6	0	9	5	12	23	12	73
MAINE—																			
Cornish, [Guptill]	7	2	3	20	13	3	8	33	0	89	3	0	0	0	0	0	0	2	5
Cornish, [West]	6	6	16	7	1	19	19	16	0	90	4	0	0	1	0	3	4	6	18
Gardiner	0	6	6	19	2	15	1	28	13	90	1	1	0	5	2	19	0	24	52
Monson	0	1	10	4	15	2	3	55	0	90	----	----	----	----	----	----	----	----	----
Perry	7	3	2	17	12	15	6	28	0	90	8	2	3	1	1	10	18	9	52
Portland	7	9	13	8	18	5	11	18	0	89	3	2	1	0	3	2	7	15	33
Steuben	0	18	2	9	1	26	3	30	1	90	3	11	1	2	0	9	9	16	51
NEW HAMPSHIRE—																			
Concord	0	17	0	11	0	12	3	32	0	75	0	1	0	0	0	2	2	5	10
Francestown, [Bixby]	3	3	1	23	1	16	12	31	0	90	2	3	3	15	1	13	23	24	84
Francestown, [Root]	2	2	7	19	2	14	4	29	1	80	4	0	6	5	2	5	11	25	58
Manchester	1	0	15	3	13	7	28	5	0	72	0	0	12	4	8	12	17	1	54
North Barnstead	3	13	0	8	0	17	15	34	0	90	0	0	0	6	0	15	16	17	54
Shelburne	0	0	27	0	0	0	55	0	8	90	0	0	4	8	1	2	4	39	58
West Enfield	0	0	1	18	18	4	20	27	2	90	2	0	1	16	16	4	17	21	77
VERMONT—																			
Brandon	5	0	0	4	35	12	10	20	4	90	0	0	0	0	9	8	10	33	60
Craftsbury	2	4	5	6	28	8	14	19	4	90	8	1	0	2	16	6	20	25	78
Rupert	----	----	----	----	----	----	----	----	----	----	12	50	5	9	0	1	0	11	88
St. Johnsbury	0	0	3	4	23	9	11	31	0	81	----	----	----	----	----	----	----	----	----
Shelburn	20	0	0	1	55	3	2	4	0	85	1	3	14	6	1	0	0	0	25
MASSACHUSETTS—																			
Amherst	1	5	6	20	4	13	6	32	0	87	0	0	2	8	1	10	10	19	50
Cambridge	2	8	8	6	2	25	10	17	12	90	----	----	----	----	----	----	----	----	----
Florida	0	2	5	17	3	11	10	41	1	90	0	2	5	16	6	13	13	30	85
Lawr nce	0	10	3	14	2	37	10	14	0	90	0	0	0	0	0	2	0	0	2
Mendon	0	13	1	1	7	43	0	25	0	90	0	13	1	1	10	30	0	17	72
Nantucket	3	3	6	16	6	34	17	4	1	90	----	----	----	----	----	----	----	----	----
New Bedford	0	12	4	10	5	32	8	18	0	89	0	0	0	0	0	3	7	9	19
Newburyport	2	2	15	4	12	5	14	13	0	67	----	----	----	----	----	----	----	----	----
Westfield	8	3	5	14	3	15	16	22	0	86	0	0	0	0	0	0	1	0	1
Weymouth	0	9	0	8	2	18	4	19	0	60	----	----	----	----	----	----	----	----	----
Williamstown	8	0	0	22	12	11	7	30	0	90	1	0	0	0	2	3	1	10	17
Worcester	4	3	9	4	7	22	24	16	0	89	---	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	1	14	1	6	17	21	7	23	0	90	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	0	5	8	4	15	8	18	9	23	90	0	4	4	1	12	8	18	10	57
New London	2	14	3	12	2	37	8	12	0	90	----	----	----	----	----	----	----	----	----
Norwich	2	16	3	7	6	21	5	4	26	90	----	----	----	----	----	----	----	----	----
Pomfret	1	10	4	14	10	16	4	31	0	90	1	10	1	10	6	10	2	20	60
Saybrook	8	5	12	7	9	20	12	7	0	80	5	0	5	1	0	3	11	6	31
Wallingford	5	11	3	10	24	4	7	17	8	89	2	3	0	3	1	8	14	14	45
NEW YORK—																			
Angelica	0	0	0	11	4	35	10	21	0	81	1	0	0	1	0	32	16	1	51
Baldwinsville	0	0	9	3	3	23	29	21	0	88	0	0	4	2	2	11	32	16	67
Beverly	0	2	0	10	1	18	3	8	0	42	0	2	0	9	2	10	5	5	33
Blackwell's Island	5	17	10	10	13	11	10	14	0	90	----	----	----	----	----	----	----	----	----
Cazenovia	4	1	5	16	5	12	12	35	0	90	0	0	2	8	10	17	21	26	84
Clinton	6	5	11	11	10	11	13	23	0	90	7	0	2	7	13	8	25	11	73
Eden	2	0	1	3	42	27	11	1	0	87	1	0	2	1	2	15	28	8	57
Flatbush	4	7	9	11	16	9	22	12	0	90	4	4	3	2	3	5	15	11	47
McGrawville	0	0	7	21	1	11	38	8	1	87	----	----	----	----	----	----	----	----	----

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Morrisania	0	0	10	28	22	11	19	0	0	90									
New York city	2	22	5	12	2	12	26	9	0	90	0	1	17	4	1	21	31	2	77
Nichols	5	0	0	4	5	3	7	2	4	30									
Ogdensburg	9	0	1	2	0	14	2	2	0	30									
Oswego	0	5	1	11	15	8	39	3	8	90									
Ovid	4	2	2	14	14	18	19	17	0	90	1	0	0	2	4	24	13	28	72
Penn Yan	3	2	0	0	14	27	42	2	0	90									
Plainville	0	1	17	5	2	5	56	1	0	87	2	6	38	0	0	0	12	4	62
Rochester, [Harkness]	9	3	6	1	10	3	27	6	25	90									
Rochester, [Palmer]	13	4	5	7	10	11	16	24	0	90	8	5	4	3	8	7	21	24	80
Sag Harbor	3	10	13	9	10	20	14	4	0	83	1	1	0	1	2	4	18	10	37
Saratoga	0	22	0	9	8	21	20	10	0	90	0	20	0	9	8	24	18	11	90
Spencertown	20	0	2	8	28	8	7	17	0	90	5	0	0	1	11	16	22	25	80
Utica	9	0	0	11	16	0	9	7	30	82									
Wampsville	0	0	12	3	18	1	56	0	0	90	0	0	13	3	18	6	47	0	87
Waterford	4	0	0	0	12	28	36	0	10	90	0	0	0	0	10	10	10	8	38
NEW JERSEY—																			
Bloomfield	0	16	0	6	0	57	3	8	0	90									
Burlington	3	1	25	2	4	22	20	10	0	87	0	0	5	0	2	12	19	10	48
Lumbertville	1	12	4	13	9	8	9	25	0	81									
Newark	0	14	4	13	2	11	4	12	0	60									
Sergeantsville	0	4	20	1	0	10	45	10	0	90	1	5	20	1	0	11	20	8	66
PENNSYLVANIA—																			
Bedford	0	0	0	1	0	31	17	29	0	78	0	0	0	1	1	26	15	15	58
Berwick	0	5	32	5	4	9	30	4	1	90									
Cannonsburg	0	0	1	0	0	0	82	0	7	90									
Carlisle	0	7	8	9	1	23	11	9	12	80	0	6	8	6	1	22	9	6	58
Chromedale	5	17	2	10	8	6	5	18	19	90	1	2	4	2	0	12	13	16	50
Easton	4	3	8	10	5	4	18	19	17	88	3	0	4	6	3	9	16	18	59
Fleming	0	0	9	17	1	22	10	29	2	90	1	0	1	2	1	9	35	13	62
Gettysburg	4	12	4	0	5	35	13	12	5	90	0	7	3	0	1	20	35	12	78
Harrisburg, [Heisely]	3	1	14	6	6	0	37	22	0	89	0	0	1	0	1	0	24	12	38
Harrisburg, [Hickok]	8	12	12	2	15	9	23	9	0	90	0	0	0	0	0	0	0	2	2
Lewisburg	3	3	2	16	8	14	3	16	25	90	3	0	1	4	4	13	10	13	48
Meadville	0	0	0	0	18	5	7	20	38	88	0	0	0	0	0	23	32	13	68
Morrisville	2	5	17	5	8	25	12	6	10	90	1	1	13	5	3	16	27	4	70
Murrysville	3	2	0	2	4	36	24	9	9	89	2	1	1	0	5	23	31	10	73
Nazareth	2	7	8	2	1	18	17	7	0	62	0	0	0	0	2	12	5	1	20
Norristown	0	2	12	10	7	30	15	2	0	78	0	1	16	5	0	22	18	0	62
North Whitehall	1	4	20	1	2	12	5	7	38	90	0	1	2	0	3	11	9	5	31
Philadelphia	1	16	4	9	3	28	15	14	0	90	1	0	1	0	0	8	4	3	17
Pocopson	2	11	4	4	9	30	24	4	0	88	1	3	3	1	5	17	27	3	60
Shamokin	0	0	17	4	5	15	44	5	0	90	0	0	0	0	0	1	63	4	68
Tarentum	3	0	0	0	15	15	20	6	28	87	1	0	0	0	1	17	42	14	75
West Haverford	0	3	9	3	0	26	12	5	2	60	2	0	2	0	0	9	18	7	38
DELAWARE—																			
Newark	0	7	12	9	2	17	6	34	0	87	0	6	10	7	4	15	6	20	68
MARYLAND—																			
Annapolis	8	21	0	4	14	27	4	10	2	90	5	1	0	1	3	29	0	2	41
Bladensburg	2	6	4	3	0	20	1	9	0	45									
Frederick	3	8	3	3	2	31	12	8	20	90	0	0	1	1	2	4	40	7	55
Ridge	2	5	6	9	9	18	9	14	1	73									
Sykesville	5	7	5	14	9	26	16	8	0	90	1	6	4	2	3	8	50	1	75
DISTRICT OF COLUMBIA—																			
Washington	0	21	1	12	2	29	2	22	1	90									
VIRGINIA—																			
Alexandria	8	10	0	11	19	13	4	24	1	90									
Berryville	2	10	3	6	6	39	14	10	0	90	2	0	3	0	1	18	18	17	59
Capon Bridge	0	0	0	0	0	4	12	1	15	32	0	0	0	0	0	4	19	1	24
Crack Whip	17	4	16	10	22	0	8	4	9	90	7	0	1	0	6	9	23	11	57
Crichton's Store	13	1	0	0	6	58	6	5	1	90	0	0	0	0	0	27	2	0	29
Kanawha	0	0	1	17	12	22	37	1	0	90	0	3	59	4	0	0	0	0	66

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Lewisburg	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	3	27	0	31
Montross	3	2	4	3	6	32	11	0	18	79	0	11	5	0	1	1	0	0	18
Mossy Creek	1	9	1	4	2	39	12	19	2	89	1	5	0	2	0	15	9	16	48
Poplar Grove	0	0	8	1	0	1	19	8	46	83	1	1	0	0	0	17	33	9	61
Portsmouth	9	3	3	4	7	32	19	13	0	90	----	----	----	----	----	----	----	----	----
Rose Hill	4	9	0	9	5	33	7	7	14	88	1	0	0	0	0	0	1	3	5
Rougemont	2	1	0	0	61	9	13	1	1	88	2	1	0	0	6	9	41	0	59
Sistersville	20	15	0	1	2	0	0	0	15	53	0	0	0	0	0	9	1	2	12
Smithfield	5	7	6	2	28	24	8	4	0	84	2	1	0	0	5	11	25	11	55
Winchester	0	0	0	1	0	6	40	2	41	90	0	0	0	0	0	0	2	0	2
Wirt Court-House	2	1	0	5	7	42	1	17	12	87	0	1	0	0	2	65	3	5	76
NORTH CAROLINA—																			
Chapel Hill	4	3	0	0	15	16	48	4	0	90	0	1	0	0	7	37	11	2	58
Murfreesborough	0	3	0	12	4	40	11	8	10	88	0	2	0	1	0	11	41	4	59
Warrenton	0	8	0	4	5	71	2	0	0	90	0	1	0	0	0	0	0	0	1
SOUTH CAROLINA—																			
All Saints	3	7	6	9	13	33	18	1	0	90	0	2	0	0	2	30	43	4	81
Camden	3	8	0	7	4	45	13	3	7	90	0	1	0	0	0	34	21	12	68
Charleston, [Dawson]	0	14	2	10	2	0	0	35	0	60	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	0	6	0	3	3	14	2	2	0	30	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Athens	2	2	8	3	0	10	32	6	14	77	----	----	----	----	----	----	----	----	----
Augusta	5	6	12	7	4	18	26	3	0	81	----	----	----	----	----	----	----	----	----
Factory Mills	1	11	15	3	5	4	37	11	0	87	0	0	0	0	0	1	0	0	1
Savannah	1	5	6	4	34	28	2	9	0	89	0	0	0	0	0	0	2	0	2
Sparta	0	5	8	8	5	39	10	15	0	90	2	1	0	5	2	28	13	5	56
The Rock	3	1	0	14	7	15	16	34	0	90	----	----	----	----	----	----	----	----	----
Whitemarsh Island	2	3	1	7	29	15	11	7	11	86	1	1	1	2	0	13	11	17	46
Zebulon	5	3	15	3	1	10	37	16	0	90	5	3	4	2	3	4	13	12	46
FLORIDA—																			
Alligator	0	1	10	22	20	10	11	4	12	90	2	0	12	0	1	1	4	1	21
Atsena	0	6	4	4	2	11	12	3	3	45	0	1	5	3	4	9	7	4	33
Belair	6	5	10	17	10	4	8	11	15	86	0	1	0	1	1	30	21	5	59
Gainesville	1	8	15	13	15	12	20	6	0	90	----	----	----	----	----	----	----	----	----
Jacksonville	0	22	1	19	10	27	5	4	1	89	2	16	3	1	1	29	0	0	52
St. Augustine	0	13	8	23	2	17	0	27	0	90	0	11	4	14	0	26	0	20	75
Salt Ponds	3	3	5	33	2	0	6	7	1	60	0	0	0	0	0	0	16	8	24
Warrington	1	9	1	11	2	62	0	4	0	90	0	5	0	0	0	5	0	1	11
ALABAMA—																			
Auburn	2	1	1	19	10	16	31	8	0	88	3	0	1	6	7	31	13	7	68
Carlowville	12	5	6	9	13	12	20	12	0	89	0	0	1	0	2	0	12	0	15
Greene Springs	0	31	0	0	0	41	0	0	1	73	0	0	0	5	0	10	0	1	16
Greensborough	17	0	2	12	15	12	9	13	0	80	0	0	0	1	3	0	25	2	31
MISSISSIPPI—																			
Columbus	6	7	11	7	7	24	15	12	0	89	1	0	1	4	4	24	11	8	53
LOUISIANA—																			
Black River	23	7	0	9	39	5	1	6	0	90	1	5	0	3	13	9	5	11	47
Trinity	6	6	13	3	46	2	8	6	0	90	2	2	0	3	14	5	7	4	37
TEXAS—																			
Austin	19	3	2	4	49	1	4	8	0	90	20	3	4	3	34	2	14	7	87
New Braunfels	7	2	16	21	14	0	1	0	19	80	----	----	----	----	----	----	----	----	----
Union Hill	5	6	1	24	27	3	12	4	0	82	3	2	8	1	10	16	6	2	47
Washington	61	1	0	0	20	2	1	1	4	90	3	12	3	0	0	4	0	2	24
TENNESSEE—																			
Glenwood	6	2	3	9	20	22	3	6	19	90	6	0	0	5	1	20	35	9	76
KENTUCKY—																			
Danville	4	12	0	2	7	39	12	14	0	90	2	1	0	1	1	22	30	5	62
Paris	7	8	1	1	11	30	13	17	0	88	0	0	0	0	6	11	31	2	50
Springdale	3	4	4	1	11	31	8	4	24	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	2	0	1	0	6	29	35	17	0	90	----	----	----	----	----	----	----	----	----
Cincinnati, [Hurtt]	2	2	0	2	4	40	24	3	12	89	0	0	0	1	3	17	26	0	47

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued																			
Cleveland	5	5	2	6	19	14	13	14	8	86	0	0	0	0	2	20	11	6	42
Edinburg	0	44	18	22	0	0	0	0	6	90	0	0	0	0	0	29	24	20	73
College Hill	0	2	1	0	2	18	17	13	35	88	2	0	0	1	0	15	14	5	37
Hillsborough	1	8	0	7	3	42	3	21	1	86	0	1	0	1	1	24	1	12	40
Hiram	2	3	0	2	16	26	14	15	11	89	2	0	1	0	2	17	27	15	64
Jefferson	0	1	0	0	2	79	1	7	0	90	0	0	0	0	2	81	1	6	90
Madison, [Cunningham]	4	3	3	4	1	28	13	7	27	90	3	0	0	0	0	30	26	17	76
Medina	6	2	0	2	3	40	20	13	0	86	3	1	0	3	1	39	22	15	84
Oberlin	4	1	1	4	7	25	10	19	18	89	0	0	0	0	1	13	40	7	61
Savannah	3	0	0	0	3	56	19	9	0	90	0	0	0	0	3	43	14	9	69
Sidney	0	1	0	1	3	42	5	16	0	68	0	0	0	0	1	40	6	19	66
Urbana	0	0	2	9	8	26	10	3	32	90	0	0	0	2	5	17	28	8	60
Welchfield	3	1	1	6	8	39	18	14	0	90	0	0	0	0	9	11	43	11	74
Michigan—																			
Ann Arbor, [Winchell]	2	0	4	7	14	12	19	13	19	90	3	0	0	1	0	4	46	11	65
Battle Creek	3	2	3	2	7	24	25	13	11	90	0	0	0	0	0	18	44	13	75
Cooper	0	1	2	0	0	0	34	0	53	90	0	0	0	0	1	16	19	0	36
Copper Falls Mines	8	10	2	21	10	16	7	13	0	87	----	----	----	----	----	----	----	----	----
Grand Rapids, [Currier]	1	10	4	3	2	36	5	10	14	85	1	3	0	2	1	17	5	3	32
Grand Rapids, [Streng]	4	3	10	10	5	30	18	10	0	90	4	0	0	0	6	23	41	15	89
Port Huron	10	0	0	6	12	22	6	34	0	90	5	0	0	1	4	29	12	20	71
Indiana—																			
Evansville	6	0	0	2	13	42	13	14	0	90	14	0	0	7	3	3	20	14	61
Logansport	7	1	6	1	6	25	26	18	0	90	----	----	----	----	----	----	----	----	----
Michigan City	14	6	4	2	14	33	5	6	6	90	3	3	0	0	6	26	7	3	48
New Albany	1	2	0	2	6	24	24	21	0	80	2	2	0	2	5	13	15	8	47
New Harmony	12	2	2	9	8	25	16	5	0	79	2	0	0	0	0	3	3	0	8
Richmond	1	0	0	0	5	33	13	5	31	88	0	1	0	0	0	0	0	0	1
Illinois—																			
Athens	1	3	0	25	0	20	3	27	2	81	0	1	0	6	1	8	32	18	66
Augusta	2	7	5	12	8	18	21	14	3	90	1	2	0	3	1	7	17	11	42
Brighton	8	2	0	2	11	54	6	4	0	87	1	1	0	0	2	22	2	7	35
Chicago	5	12	6	4	2	33	17	6	5	90	1	0	0	0	0	29	17	14	61
Edgington	11	2	0	10	10	26	4	26	1	90	10	2	0	8	6	26	4	28	84
Fremont Centre	0	2	6	15	16	20	25	6	0	90	----	----	----	----	----	----	----	----	----
Manchester	1	3	0	1	26	38	19	2	0	90	0	0	0	1	12	26	20	5	64
Marengo	0	1	2	25	4	51	6	1	0	90	----	----	----	----	----	----	----	----	----
Ottawa	3	2	0	10	10	22	19	16	2	84	1	0	0	0	0	10	8	5	24
Pekin	12	4	1	0	33	9	12	13	6	90	3	0	1	0	2	11	21	8	46
Peoria	5	1	7	3	32	6	36	0	0	90	4	1	12	4	4	1	12	4	42
Riley	2	2	3	6	6	21	11	18	17	86	----	----	----	----	----	----	----	----	----
Upper Alton	----	----	----	----	----	----	----	----	----	----	0	1	0	3	0	53	7	26	90
Warsaw	4	10	1	17	10	25	7	15	1	90	----	----	----	----	----	----	----	----	----
West Salem	2	3	5	3	27	11	10	8	21	90	1	0	0	0	3	8	28	5	45
West Urbana	6	7	4	9	17	32	6	9	0	90	1	0	0	2	1	15	5	10	34
Winnebago	3	0	1	14	3	39	11	19	0	90	1	0	0	0	0	3	14	14	32
Missouri—																			
Cape Girardeau	5	7	5	22	12	35	6	23	4	119	3	3	1	9	5	37	17	20	95
Palmyra	1	5	1	13	4	29	19	16	30	118	4	0	0	6	2	19	27	20	78
St. Joseph	1	1	15	15	19	6	23	10	20	110	----	----	----	----	----	----	----	----	----
St. Louis	4	5	7	16	12	22	16	8	0	90	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	3	14	2	6	10	19	15	20	1	90	4	15	2	0	10	20	17	22	90
Bay City	2	30	2	5	7	13	19	9	0	87	1	3	3	0	1	11	20	4	43
Beloit	16	0	3	4	27	16	7	17	0	90	2	0	0	0	3	8	3	3	19
Janesville	5	2	0	13	9	25	17	13	6	90	----	----	----	----	----	----	----	----	----
Kenosha	2	5	5	3	10	31	4	4	21	85	----	----	----	----	----	----	----	----	----
Madison, [Sterling]	8	1	1	5	22	21	13	11	2	87	----	----	----	----	----	----	----	----	----
Manitowoc	6	5	10	17	17	6	8	21	0	90	4	0	0	1	0	6	19	15	45
Milwaukee, [Pomeroy]	4	5	2	28	7	16	12	16	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	3	10	13	19	8	11	11	12	0	90	----	----	----	----	----	----	----	----	----
New London	17	6	1	0	7	25	18	16	0	90	19	3	0	1	8	7	26	14	78

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—																			
Border Plains	5	3	1	11	30	7	0	33	0	90	0	0	0	0	0	9	9	7	25
Fairfield	0	0	1	9	5	15	14	21	25	90	1	12	33	0	0	1	0	0	47
Fort Madison	0	5	0	5	5	49	8	18	0	90	0	0	0	1	1	6	44	6	58
Franklin, [W. W. Beal]	5	2	3	4	18	6	27	12	13	90	----	----	----	----	----	----	----	----	----
Iowa City	6	5	5	14	5	13	14	17	11	90	3	1	1	1	2	7	8	4	27
Muscatine	13	3	3	22	6	24	7	12	0	90	0	5	0	0	0	19	3	4	31
Pleasant Plain	3	7	0	7	19	24	10	17	2	89	1	0	0	0	0	1	8	34	44
MINNESOTA—																			
Hazlewood	3	0	0	11	22	3	0	51	0	90	1	2	0	6	1	2	2	6	20
Princeton	13	3	2	3	7	6	16	5	35	90	2	0	0	0	1	2	25	2	32
NEBRASKA—																			
Bellevue	29	1	0	0	27	0	0	0	1	58	8	0	0	0	4	1	3	6	22
Omaha	12	3	3	11	14	10	5	20	12	90	3	12	4	25	1	3	1	7	56
KANSAS—																			
Council City	4	5	2	3	37	2	9	7	21	90	----	----	----	----	----	--	----	----	----
UTAH—																			
Great Salt Lake City	42	5	18	10	30	1	8	6	0	120	1	0	0	0	1	0	4	0	6
CALIFORNIA—																			
Sacramento	5	0	2	21	27	20	2	13	0	90	0	2	1	5	10	10	1	0	29
San Francisco	1	0	0	0	1	0	57	1	30	90	1	0	0	0	1	0	57	1	60
WEST INDIES—																			
St. George's, Bermuda	1	1	0	4	2	13	4	5	0	30	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	2	26	29	24	7	1	0	0	1	90	1	17	32	24	1	0	0	0	75
AZORES—																			
Horta, Fayal	2	5	1	5	10	43	4	6	11	87	5	3	0	3	7	43	2	7	70

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	4	11	2	2	15	26	14	10	9	93	3	8	2	4	11	28	19	7	82
Red River Settlement	8	4	0	1	16	4	1	3	1	38	1	7	0	1	0	1	0	1	11
St. John's	5	12	8	6	0	10	46	6	0	93									
St. Martin	0	11	1	17	6	47	2	9	0	93									
Stanbridge	2	7	6	33	26	1	8	5	5	93									
Toronto	3	15	6	22	2	20	0	18	7	93									
Wolfville	1	7	1	7	3	19	3	7	35	83	1	5	1	7	1	28	8	9	60
MAINE—																			
Cornish, [Guptill]	3	5	1	25	16	10	11	22	0	93	0	0	0	0	0	4	3	2	9
Cornish, [West]	5	8	13	12	8	25	15	7	0	93	1	0	0	0	1	4	2	3	11
Monson	1	2	5	25	15	11	5	28	1	93									
Perry	0	0	4	35	5	26	5	16	0	91	1	0	3	4	1	4	6	9	28
Portland	6	10	19	14	20	11	8	5	0	93	0	1	2	0	5	9	8	3	28
Steuben	1	20	0	6	0	58	2	4	2	93	0	8	2	0	0	22	5	3	40
NEW HAMPSHIRE—																			
Concord	0	26	0	11	0	24	0	10	15	86	0	0	0	0	1	0	0	1	2
Francestown, [Root]	5	5	5	19	2	20	13	18	3	90	5	3	10	2	0	20	16	13	69
Manchester	0	0	19	8	7	21	13	3	1	72	0	0	10	9	1	17	29	0	66
North Barnstead	0	5	1	7	1	18	11	43	0	86	0	1	1	3	0	6	14	32	57
Shelburne	0	0	37	1	0	0	31	0	0	69	2	0	4	6	0	9	12	7	40
West Enfield	2	0	0	14	36	16	6	11	8	93	0	1	1	14	14	22	9	10	71
VERMONT—																			
Brandon	11	0	0	8	48	9	5	4	6	91	0	0	1	7	4	20	14	5	51
Craftsbury	4	6	4	5	35	16	9	9	5	93	4	1	0	5	4	21	17	13	65
Rupert											10	68	0	0	4	0	0	10	92
St. Johnsbury	4	2	3	3	28	9	8	21	0	78									
Shelburn	7	2	0	1	70	4	0	8	0	92	0	16	2	9	0	0	1	0	28
MASSACHUSETTS—																			
Amherst	3	3	2	34	1	18	4	17	0	82	1	4	3	5	3	9	1	12	38
Cambridge	2	10	12	6	0	41	6	3	13	93									
Florida	1	12	0	7	2	25	15	28	3	93	1	12	0	3	2	26	13	24	81
Lawrence	0	12	6	17	1	44	2	11	0	93	0	0	0	0	0	3	3	0	6
Mendon	0	21	4	1	2	59	3	3	0	93	1	18	2	3	2	48	5	4	83
Nantucket	1	16	4	5	9	48	1	1	8	93									
New Bedford	0	17	4	9	7	49	1	4	1	92	1	2	2	1	1	7	2	1	17
Newburyport	4	7	14	8	12	8	18	0	0	71									
Princeton	0	7	27	2	0	8	40	9	0	93	0	6	19	1	0	5	38	3	72
Richmond	0	4	1	28	2	33	0	25	0	93	1	5	4	22	2	14	3	10	61
Westfield	8	7	11	27	8	8	12	12	0	93									
Weymouth	0	8	1	13	0	32	1	7	0	62									
Williamstown	7	0	3	32	28	9	1	12	0	92	0	0	1	3	2	2	0	0	8
Worcester	7	9	12	8	6	29	9	6	0	86									
RHODE ISLAND—																			
Providence	1	19	2	6	10	37	2	14	1	92									
CONNECTICUT																			
Columbia	0	12	7	0	22	20	4	3	25	93	0	10	7	1	15	16	3	1	53
New London	0	16	4	15	19	35	1	3	0	93									
Norwich	0	23	1	6	19	14	1	3	26	93									
Pomfret	4	23	7	2	10	37	3	7	0	93	0	17	5	4	8	29	3	3	69
Saybrook	2	14	9	12	11	29	7	0	7	91	1	5	7	2	5	10	4	3	37
Wallingford	8	12	2	5	22	18	1	5	20	93	1	15	0	4	0	24	10	1	55
NEW YORK																			
Angelica	0	0	1	10	11	38	6	27	0	93	0	0	0	0	0	23	10	0	33
Baldwinsville	0	0	12	3	3	19	28	17	0	82	1	3	1	1	2	8	32	9	57
Beverly	3	10	0	11	8	26	0	9	1	78	2	10	3	10	3	26	2	2	58
Blackwell's Island	7	16	9	12	24	17	4	4	0	93									
Cazenovia	3	5	3	11	4	26	8	17	11	91	0	1	1	15	12	17	24	8	78
Clinton	7	7	8	3	19	33	8	8	0	93	6	0	7	4	11	17	4	7	56
Eden	5	10	1	8	19	14	15	8	0	80	0	0	6	1	5	12	8	5	37
Flatbush	3	19	8	6	30	14	10	3	0	93	0	4	7	4	6	15	13	5	54
McGrawville	0	1	5	25	3	15	26	4	10	89									
Morrisania	6	14	6	32	17	9	5	3	0	92									

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
New York city	2	24	1	11	4	21	28	2	0	93	2	8	7	1	2	31	28	0	79
Nichols	5	0	0	1	13	2	5	3	2	31	----	----	----	----	----	----	----	----	----
Ogdensburg	3	4	2	4	2	20	0	0	0	35	----	----	----	----	----	----	----	----	----
Oswego	7	1	1	4	32	10	16	12	11	93	----	----	----	----	----	----	----	----	----
Ovid	9	2	8	12	30	15	7	10	0	93	1	3	5	5	19	17	12	9	71
Penn Yan	0	0	0	0	8	48	37	0	0	93	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	14	5	8	3	20	2	15	3	23	93	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	21	5	2	9	8	22	19	4	0	90	3	1	1	3	7	7	10	6	38
Sag Harbor	1	15	7	7	29	22	8	1	0	90	3	5	2	0	1	10	7	3	31
Saratoga	0	13	4	21	4	42	2	7	0	93	2	14	4	21	4	40	2	6	93
Spencertown	0	1	1	14	27	22	12	15	0	92	1	0	4	4	2	14	17	36	78
Townsendville	4	1	0	24	16	13	3	15	17	93	3	1	1	8	9	13	12	6	53
Wampsville	0	1	12	1	46	1	31	0	0	92	0	0	12	3	30	1	29	0	75
Waterford	13	9	0	0	23	35	3	1	4	88	3	1	1	2	0	0	1	0	8
Wellsville	0	0	44	0	0	0	31	1	2	78	1	0	0	2	3	2	1	0	9
NEW JERSEY—																			
Bloomfield	0	26	0	2	6	58	0	0	1	93	----	----	----	----	----	----	----	----	----
Burlington	3	11	25	12	6	20	7	2	7	93	3	7	7	3	9	15	13	2	59
Lambertville	3	15	7	15	5	27	4	8	0	84	----	----	----	----	----	----	----	----	----
Newark	0	17	0	6	5	23	1	9	1	62	----	----	----	----	----	----	----	----	----
Sergeantsville	7	11	12	5	3	19	27	9	0	93	7	11	7	1	4	21	15	4	70
PENNSYLVANIA—																			
Bedford	0	5	0	28	0	29	3	15	0	80	1	6	0	15	0	24	2	11	59
Berwick	3	3	39	5	5	10	23	5	0	93	----	----	----	----	----	----	----	----	----
Cannonsburg	1	0	28	3	0	4	49	1	7	93	0	0	0	0	0	2	1	0	3
Chromedale	0	19	7	6	9	15	3	9	25	93	0	3	10	5	8	24	10	6	66
Easton	4	6	7	15	10	3	19	8	19	91	2	3	7	7	3	23	8	5	58
Fleming	0	1	12	19	8	14	11	19	8	92	1	0	9	3	6	16	18	4	57
Gettysburg	10	8	4	3	23	24	8	5	8	93	7	8	1	4	20	24	16	10	90
Harrisburg, [Heisely]	2	0	7	7	34	7	22	8	0	87	1	0	3	0	19	6	14	6	49
Harrisburg, [Hickok]	16	10	24	5	12	8	12	4	2	93	0	0	0	0	0	1	0	0	1
Lewisburg	4	8	3	8	17	17	1	5	29	92	5	0	4	2	6	19	2	3	41
Morrisville	0	9	14	11	14	24	1	0	20	93	0	12	5	8	0	30	10	2	67
Murrysville	0	6	0	7	5	25	7	6	37	93	0	7	13	5	5	17	13	2	62
Nazareth	5	11	3	14	16	3	11	1	1	65	2	2	2	4	12	6	5	0	33
Norristown	0	5	10	24	17	18	3	4	0	81	0	2	13	17	1	21	11	1	66
North Whitehall	1	12	9	1	6	8	3	1	52	93	2	7	4	1	7	12	1	1	35
Philadelphia	2	20	6	14	11	32	4	4	0	93	0	7	3	2	5	17	2	1	37
Pocopson	7	9	4	6	20	28	13	0	0	87	1	5	1	1	7	15	10	0	40
Shamokin	0	0	3	3	4	12	71	0	0	93	2	1	2	1	0	6	58	0	70
Tarentum	5	3	5	8	11	6	3	3	49	93	4	4	1	2	7	16	29	9	72
West Haverford	1	7	12	5	3	28	2	0	4	62	1	2	5	0	1	22	16	1	48
Westtown	7	8	3	11	21	25	3	14	1	93	2	3	2	1	4	22	2	7	43
DELAWARE—																			
Newark	0	14	9	23	11	22	2	8	0	89	0	11	7	19	7	21	1	3	69
MARYLAND—																			
Annapolis	4	26	1	15	25	17	4	1	0	93	0	2	0	0	4	30	0	0	36
Bladensburg	1	7	4	7	0	13	1	7	0	40	----	----	----	----	----	----	----	----	----
Chestertown	1	7	6	8	1	32	17	3	0	75	0	6	4	8	1	20	12	1	52
Frederick	3	15	2	4	4	17	14	10	22	91	2	4	3	2	10	5	28	2	56
Sykesville	9	14	7	14	18	14	10	7	0	93	2	2	11	7	3	8	47	1	81
DISTRICT OF COLUMBIA—																			
Washington, [Smith. In.]	0	22	2	17	0	27	4	17	1	90	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	6	20	12	11	16	5	5	1	1	77	----	----	----	----	----	----	----	----	----
Ashland	0	2	0	0	2	30	1	7	51	93	0	2	0	0	0	15	22	3	42
Berryville	7	15	4	16	17	20	4	9	1	93	3	8	1	4	7	32	12	6	73
Crack Whip	11	7	26	6	24	5	3	1	10	93	5	4	2	0	14	11	24	1	61
Crichton's Store	12	8	9	2	25	23	3	5	3	90	0	0	0	2	9	30	6	0	47
Lewisburg	----	----	----	----	----	----	----	----	----	----	1	7	4	6	0	10	3	1	32
Portsmouth	3	19	7	17	10	23	9	5	0	93	----	----	----	----	----	----	----	----	----
Rose Hill	4	12	8	4	15	24	4	0	18	89	0	0	0	0	0	1	0	1	2

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Rougemont	6	1	6	0	43	8	22	2	4	92	10	0	4	0	9	9	36	5	73
Salem	1	11	20	10	1	21	17	11	1	93	0	10	21	1	1	4	26	8	71
Sistersville	2	20	0	1	6	1	0	1	29	60	0	1	0	0	0	0	0	0	1
Smithfield	3	7	12	14	27	18	3	6	0	90	4	7	4	10	7	22	25	2	81
Wirt Court-House	2	10	0	17	3	27	1	10	21	91	0	10	0	16	0	49	0	9	84
NORTH CAROLINA—																			
Chapel Hill	12	15	3	2	14	17	25	5	0	93	1	11	4	4	9	37	5	1	72
Murfreesborough	2	18	4	8	19	25	7	3	0	86	1	10	4	6	13	30	7	5	76
Warrenton	0	25	0	5	1	60	2	0	0	93	----	----	----	----	----	----	----	----	----
SOUTH CAROLINA—																			
All Saints	10	14	8	9	17	18	12	4	0	92	4	15	2	9	13	41	21	3	108
Camden	4	15	2	15	6	29	7	9	6	93	5	7	2	5	0	19	22	5	65
Charleston, [Dawson]	0	19	3	15	0	4	0	21	0	62	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	1	7	1	5	0	12	2	3	0	31	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Athens	0	22	1	10	0	14	6	10	14	77	----	----	----	----	----	----	----	----	----
Augusta	11	9	12	32	5	14	3	4	0	90	----	----	----	----	----	----	----	----	----
Savannah	10	3	12	20	16	19	2	11	0	93	----	----	----	----	----	----	----	----	----
Sparta	2	22	1	20	8	17	5	15	0	90	5	8	0	10	1	20	14	6	64
The Rock	11	17	16	11	3	8	6	21	0	93	----	----	----	----	----	----	----	----	----
Whitemarsh Island	7	11	3	13	20	11	6	7	15	93	5	3	0	7	4	19	11	13	62
Zebulon	2	7	12	13	4	14	22	19	0	93	8	7	0	5	4	6	9	9	48
FLORIDA—																			
Alligator	1	4	12	23	7	16	8	4	18	93	6	10	12	2	2	0	4	7	43
Atsena	1	12	19	9	3	16	20	11	2	93	1	4	14	8	4	13	18	8	70
Belair	4	5	13	2	8	2	1	2	4	41	1	0	3	3	0	3	19	8	37
Gainesville	5	10	36	16	7	6	8	4	0	92	----	----	----	----	----	----	----	----	----
Jacksonville	1	11	8	6	0	25	3	8	1	90	8	23	4	4	3	2	2	1	47
St. Augustine	1	17	8	31	0	13	0	23	0	93	0	12	8	28	0	23	0	19	90
Salt Ponds	0	1	10	32	5	7	3	3	1	62	----	----	----	----	----	----	----	----	----
Warrington	0	10	7	15	18	33	5	2	3	93	13	6	2	2	1	6	6	4	40
ALABAMA—																			
Auburn	1	3	6	39	14	7	13	9	0	92	1	14	7	17	15	17	8	5	84
Carlowville	9	11	8	9	14	17	15	10	0	93	0	1	0	7	8	4	10	1	31
Greene Springs	3	12	9	2	3	5	7	2	1	44	1	3	0	0	3	2	0	1	10
Greensborough	20	1	1	16	3	1	4	7	0	53	6	0	0	4	6	1	28	1	46
MISSISSIPPI—																			
Columbus	24	6	18	4	15	8	6	11	1	93	9	12	0	7	1	8	6	15	58
LOUISIANA—																			
Black River	24	8	3	15	31	3	1	7	1	93	6	7	2	3	15	7	3	5	48
Trinity	14	6	18	19	31	3	1	1	0	93	5	3	8	3	12	5	3	2	41
TEXAS—																			
Austin	7	25	6	13	36	4	0	2	0	93	11	25	8	9	29	10	8	11	111
New Braunfels	1	2	30	21	19	0	0	0	15	88	0	0	0	1	0	1	1	0	3
Union Hill	0	13	3	39	26	3	2	0	0	86	2	12	1	10	20	9	5	2	61
Washington	73	0	0	0	6	0	6	1	6	92	5	11	3	3	0	2	2	2	28
TENNESSEE—																			
Glenwood	3	12	4	11	10	14	8	3	28	93	6	13	2	2	3	10	30	9	75
KENTUCKY—																			
Danville	12	12	4	1	10	26	3	25	0	93	4	10	0	0	0	23	13	11	61
Paris	5	10	1	7	4	21	10	35	0	93	6	0	4	0	5	2	32	1	50
Springdale	4	8	1	3	2	23	7	11	34	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	14	2	11	14	23	15	7	7	0	93	----	----	----	----	----	----	----	----	----
Cleveland	17	7	0	7	24	6	9	10	11	91	6	6	3	3	2	7	12	5	44
Edinburg	2	40	18	3	0	12	4	1	13	93	0	9	2	0	0	30	33	3	77
Hillsborough	2	26	1	10	2	22	2	21	1	87	3	10	0	3	1	11	2	6	36
Hiram	14	4	6	8	12	22	6	4	17	93	8	2	2	6	4	12	13	7	54
Jefferson	3	3	0	7	1	53	2	21	0	93	3	2	0	7	2	46	2	24	86
Madison, [Atkins]	7	11	2	6	5	18	6	8	28	91	4	1	2	0	1	1	7	1	17
Madison, [Cunningham]	1	11	0	6	8	10	15	11	18	80	0	15	1	5	1	25	11	15	73
Medina	5	17	2	7	8	27	7	20	0	93	4	10	0	5	8	22	24	17	90

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Oberlin	14	6	4	3	7	8	16	10	23	91	7	6	2	1	0	6	36	10	68
Savannah	0	9	0	1	0	64	5	14	0	93	1	8	0	1	0	50	5	13	78
Sidney	5	8	0	11	3	27	10	11	0	75	1	26	1	16	0	19	1	9	73
Urbana	1	12	0	5	4	12	5	13	41	93	3	15	0	1	1	13	16	20	69
Welchfield	4	7	11	16	8	27	7	13	0	93	5	6	6	2	1	8	20	17	65
MICHIGAN—																			
Ann Arbor	12	0	10	14	15	15	11	6	10	93	2	0	0	0	0	14	33	9	58
Battle Creek	6	10	0	6	12	15	16	8	20	93	14	14	0	2	1	13	9	15	68
Cooper	2	0	0	0	0	1	10	3	77	93	1	3	0	5	0	1	9	0	19
Copper Falls Mines	13	9	2	24	9	15	4	13	0	89									
Grand Rapids, [Currier]	1	13	5	10	0	28	2	13	21	93	1	5	2	2	0	16	5	11	42
Grand Rapids, [Streng]	5	13	4	11	3	13	27	17	0	93	10	28	6	3	5	9	20	9	90
Monroe	6	0	1	6	5	37	11	13	4	83	4	0	1	7	2	33	14	13	74
New Buffalo											3	7	18	17	14	9	2	2	72
Port Huron	22	3	0	1	9	33	2	21	0	91	11	10	2	2	0	19	2	11	57
INDIANA—																			
Evansville	7	4	0	1	10	36	8	27	0	93	6	9	10	2	4	13	8	10	62
Logansport	28	10	0	2	2	17	12	22	0	93									
Michigan City	28	6	1	3	15	21	4	7	8	93	17	1	0	0	10	5	5	1	39
New Harmony	17	1	4	11	7	6	10	16	0	72	1	1	0	0	0	0	0	0	2
Richmond	2	11	2	0	0	14	9	6	46	90									
ILLINOIS—																			
Athens	2	13	2	28	2	7	11	13	3	81	2	18	0	1	2	4	16	33	76
Augusta	4	10	10	19	7	16	7	9	11	93	5	4	0	4	2	10	12	5	42
Brighton	2	10	6	16	14	33	1	11	0	93	1	5	2	3	9	18	0	8	46
Edgington	10	10	0	24	3	36	1	8	1	93	16	6	0	16	2	24	3	17	84
Fremont Centre	9	16	12	13	8	10	16	9	0	93									
Manchester	4	2	1	0	36	32	12	6	0	93	4	2	1	1	13	35	9	6	71
Marengo	0	9	6	22	6	48	2	0	0	93									
Ottawa	7	19	3	11	6	22	6	9	7	90	6	6	0	1	2	4	4	4	27
Pekin	15	9	4	2	21	9	2	9	19	93	10	6	1	0	8	8	10	4	47
Peoria	13	21	10	1	29	2	14	3	0	93	6	2	0	0	2	1	5	3	19
Riley	5	4	7	11	6	6	7	10	32	88									
Warsaw	2	16	4	23	11	29	2	5	0	92	2	9	2	3	5	11	3	11	46
West Salem	4	11	5	4	15	4	3	9	38	93	10	4	3	0	0	7	15	13	52
West Urbana	21	20	2	6	22	6	1	15	0	93	4	0	0	0	1	2	1	9	17
Winnebago	7	8	7	18	4	21	13	15	0	93	4	6	1	4	1	3	12	7	38
MISSOURI—																			
Cape Girardeau	11	21	7	17	17	12	5	17	17	124	14	15	2	1	13	18	5	23	91
Palmyra	8	8	2	10	3	38	7	3	23	102	3	10	1	4	0	42	7	3	70
St. Joseph	0	17	1	51	5	8	2	7	26	120									
St. Louis	12	15	12	20	9	7	8	10	0	93									
Springfield	7	10	3	13	19	1	0	2	31	86	2	2	4	5	2	0	0	2	17
WISCONSIN—																			
Appleton	4	27	0	3	5	15	14	18	7	93	3	26	0	1	4	16	18	19	87
Bay City	1	36	1	1	31	18	3	2	0	93	1	4	1	0	0	18	3	1	28
Beloit	25	7	3	13	18	8	15	4	0	93	3	1	1	1	0	1	6	1	14
Janesville	13	6	9	16	12	16	5	10	6	93									
Kenosha	1	7	13	6	14	11	2	4	34	92									
Lind	11	4	5	0	18	2	8	4	0	52	14	4	1	1	6	2	8	2	38
Madison, [Sterling]	8	1	0	6	18	8	9	10	2	62	0	0	0	0	0	0	0	1	1
Manitowoc	14	4	5	20	11	12	10	17	0	93	10	5	2	0	0	6	12	7	42
Milwaukee, [Pomeroy]	14	21	9	20	0	3	5	21	0	93									
Milwaukee, [Winkler]	5	20	12	20	2	6	18	10	0	93									
New London	4	4	1	1	3	29	28	23	0	93	16	5	0	0	2	25	25	9	82
Platteville	5	11	7	35	0	12	7	16	0	93	0	3	5	4	2	26	1	17	58
Waukesha	8	4	1	1	17	10	7	3	31	82	1	0	0	0	1	4	10	0	17
IOWA—																			
Bellevue	11	0	2	17	10	7	16	30	0	93	5	4	2	6	5	3	1	12	38
Border Plains	20	6	3	27	24	6	1	6	0	93	2	1	0	0	2	6	5	11	27
Dubuque	6	9	4	23	11	10	3	3	20	89	4	7	5	3	4	13	4	17	57
Fairfield	1	1	2	17	10	7	5	12	38	93	5	2	6	4	3	0	0	2	22

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Fort Madison	5	19	1	11	2	43	3	4	2	90	1	10	3	0	2	13	19	10	58
Franklin	11	7	2	4	34	4	3	2	26	93									
Iowa City	1	4	6	15	7	17	1	11	27	89	0	3	1	1	1	1	2	2	11
Muscatine	2	21	0	16	11	25	5	13	0	93	0	10	1	6	0	18	2	10	47
Pleasant Plain	4	9	4	15	22	16	3	14	6	93	2	1	0	0	1	20	10	20	54
Minnesota—																			
Lapham	1	1	1	11	19	1	3	0	4	41	6	3	3	0	0	1	0	3	16
Princeton	10	0	6	6	18	6	11	0	36	93	2	0	0	2	16	6	11	1	38
Nebraska—																			
Bellevue	33	1	0	3	45	1	1	3	2	89	5	0	0	1	5	1	6	0	18
Omaha	7	3	5	15	30	4	2	9	17	92	4	4	0	2	18	17	9	12	66
Kansas—																			
Council City	3	6	7	8	33	13	0	0	23	93									
Lawrence	1	2	1	16	38	9	0	1	0	68	1	2	2	0	4	0	1	0	10
Utah—																			
Great Salt Lake City	41	0	18	6	27	8	12	12	0	124	0	0	0	0	3	0	1	0	4
California—																			
Sacramento	8	0	1	23	38	17	0	6	0	93	0	0	0	0	1	2	0	1	4
San Francisco	0	0	0	0	1	0	55	0	37	93	0	1	0	0	5	1	28	0	35
West Indies—																			
St. George's, Bermuda	0	5	0	11	6	8	0	1	0	31									
South America—																			
Catharina Sophia, Surinam	7	15	10	29	29	2	0	1	0	93	0	4	26	44	1	0	0	1	76
Azores—																			
Horta, Fayal	3	24	2	8	9	16	6	1	24	93	7	13	4	6	13	9	8	4	64

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	7	14	0	1	13	15	22	15	6	93	6	12	0	1	11	13	18	19	80
Red River Settlement	14	3	11	1	16	16	17	5	1	84	6	11	10	3	11	1	10	0	52
St. John's	13	6	11	14	26	0	16	7	0	93									
St. Martin	0	12	0	22	2	33	7	17	0	93									
Stanbridge	6	9	6	15	28	1	14	6	8	93									
Toronto	3	14	1	10	3	29	0	29	4	93									
Wolfville	1	5	0	3	9	16	13	2	44	93	0	7	0	3	10	14	14	0	48
MAINE—																			
Cornish, [Guptill]	7	6	2	10	21	6	11	29	0	92									
Cornish, [West]	7	6	3	8	9	26	23	11	0	93	1	0	0	0	1	2	5	2	11
Gardiner	1	11	4	17	6	13	2	23	16	93	1	3	2	4	2	12	4	11	39
Monson	5	2	0	16	17	1	5	47	0	93									
Perry	2	1	0	17	14	13	5	40	1	93	4	1	0	0	3	12	12	7	39
Portland	9	10	1	12	24	14	10	13	0	93	2	0	0	2	3	6	15	6	34
Steuben	3	10	0	10	0	42	4	15	9	93	2	6	0	0	0	19	10	10	47
NEW HAMPSHIRE—																			
Concord	1	12	0	14	0	31	0	23	10	91	0	0	2	0	0	3	0	2	7
Francestown, [Bixby]	6	1	2	16	7	9	26	26	0	93	4	1	4	14	4	11	34	6	78
Manchester	0	1	5	22	3	23	15	11	0	80	0	1	3	15	1	25	11	3	59
North Barnstead	1	4	0	7	0	34	8	37	0	91	0	3	0	6	0	26	17	19	71
Shelburne	0	0	33	0	0	0	59	0	1	93	2	1	5	4	3	7	33	17	72
West Enfield	2	2	2	0	33	17	6	29	2	93	5	1	0	0	19	11	8	32	76
VERMONT—																			
Brandon	10	1	0	16	35	6	4	12	9	93	2	0	0	0	1	7	16	28	54
Craftsbury	0	8	3	8	23	19	17	13	2	93	0	0	0	2	6	15	26	17	66
Rupert											14	58	9	0	6	0	0	4	91
St. Johnsbury	2	0	0	0	27	0	13	42	3	87									
Shelburn	19	0	0	0	56	3	0	13	0	91	3	9	11	9	0	0	0	0	32
MASSACHUSETTS—																			
Amherst	3	1	0	9	16	19	15	13	0	76	0	2	0	0	0	3	5	2	12
Cambridge	3	4	7	7	2	26	7	16	21	93									
Florida	0	0	0	7	2	31	9	44	0	93	0	0	0	7	3	23	11	28	72
Lawrence	6	11	9	19	5	21	6	16	0	93	0	0	0	0	0	0	1	0	1
Mendon	0	16	2	0	4	37	2	32	0	93	1	10	2	0	4	31	3	25	76
Nantucket	3	18	1	7	8	26	11	7	11	92									
New Bedford	2	12	1	11	5	34	4	24	0	93	2	3	1	0	1	6	6	14	33
Newburyport	4	5	5	9	20	9	18	13	0	83									
Princeton	4	3	11	9	2	13	29	22	0	93	0	3	6	2	0	11	34	6	62
Richmond	2	3	0	18	0	30	0	39	0	92	4	3	0	17	0	29	7	8	68
Westfield	7	2	9	11	8	9	21	24	0	91	0	0	0	0	1	0	1	0	2
Weymouth	2	4	0	13	0	31	2	10	0.	62									
Williamstown	2	0	4	5	10	16	21	10	6	74	0	0	0	2	1	1	4	5	13
Worcester	6	3	8	4	10	14	28	11	0	84									
RHODE ISLAND—																			
Providence	12	6	1	7	11	12	9	18	1	77									
CONNECTICUT—																			
Columbia	0	10	2	1	13	14	9	23	21	93	0	8	0	2	9	9	8	17	53
New London	0	4	3	15	17	36	13	5	0	93									
Norwich	0	7	0	15	5	20	6	3	37	93									
Pomfret	8	7	2	6	16	15	5	32	0	91	5	5	1	2	9	13	8	21	64
Saybrook	7	9	3	12	14	23	7	13	4	92	3	2	2	1	1	11	9	9	38
Wallingford	6	11	2	10	13	15	6	13	17	93	1	2	1	2	2	15	17	8	48
NEW YORK—																			
Baldwinsville	1	2	3	3	1	15	35	31	0	91	0	1	2	1	0	3	34	14	55
Bellevue	36	0	2	0	42	5	1	1	2	90									
Bellport	6	8	0	20	17	21	11	6	4	93	7	3	0	2	0	1	2	5	20
Beverly	3	3	0	16	4	12	0	15	1	54	2	3	0	8	4	9	5	7	38
Blackwell's Island	11	8	8	8	18	19	8	13	0	93									
Cazenovia	1	2	4	6	9	8	30	22	7	89	0	3	1	5	4	11	30	11	65
Clinton	3	0	3	1	10	42	20	14	0	93	3	0	0	0	5	23	15	23	69
Eden	4	0	2	2	23	22	34	1	0	88	0	2	1	0	1	3	18	9	34
Fairmount	9	2	7	18	15	13	18	10	0	92									

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Flatbush	3	9	3	6	24	15	13	20	0	93	1	4	1	4	4	7	14	13	48
Houseville	12	1	3	0	27	14	20	14	2	93	1	0	0	0	4	34	23	15	77
McGrawville	0	4	3	10	0	11	35	5	23	91	----	----	----	----	----	----	----	----	----
New York city	2	9	4	17	0	15	30	16	0	93	0	0	2	0	1	21	35	3	62
Nichols	12	1	1	3	8	2	3	1	0	31	----	----	----	----	----	----	----	----	----
Oswego	9	3	0	4	31	10	21	14	1	93	----	----	----	----	----	----	----	----	----
Ovid	8	5	1	6	12	23	9	29	0	93	5	2	6	3	14	9	6	14	59
Penn Yan	2	0	0	0	33	4	52	2	0	93	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	12	0	3	0	24	7	22	4	21	93	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	13	7	1	1	10	20	30	10	0	92	3	1	1	0	2	4	12	8	31
Sag Harbor	9	2	10	12	21	12	16	10	1	93	0	2	0	0	2	11	16	4	35
Saratoga	1	13	4	12	4	34	21	4	0	93	1	13	4	11	5	32	24	3	93
Spencertown	14	2	0	2	16	19	14	26	0	93	9	0	1	0	2	17	14	37	80
Townsendville	7	1	3	12	14	11	9	26	10	93	2	0	0	0	5	10	21	17	55
Wampsville	0	1	3	0	22	6	59	2	0	93	0	0	4	1	17	5	48	2	77
Waterford	6	1	0	1	14	14	16	0	9	61	0	0	0	0	0	1	5	1	7
Wellsville	0	0	39	1	0	2	50	1	0	93	0	0	0	2	2	2	1	3	10
NEW JERSEY—																			
Bloomfield	0	9	0	14	0	53	0	14	0	90	----	----	----	----	----	----	----	----	----
Burlington	11	6	7	13	15	7	27	5	1	92	2	0	1	4	3	16	25	2	53
Lambertville	4	3	2	13	10	19	2	31	0	84	----	----	----	----	----	----	----	----	----
Newark	1	9	0	8	4	20	2	18	0	62	----	----	----	----	----	----	----	----	----
Sergeantsville	2	0	0	1	4	15	50	6	0	78	0	0	0	2	4	11	13	4	37
PENNSYLVANIA—																			
Bedford	0	0	0	8	1	21	5	42	0	77	0	1	0	4	1	15	7	25	53
Berwick	5	2	28	5	8	5	35	3	1	92	----	----	----	----	----	----	----	----	----
Cannonsburg	0	0	16	3	1	7	54	7	5	93	----	----	----	----	----	----	----	----	----
Chromedale	4	14	3	12	6	3	6	15	30	93	2	3	1	5	2	14	19	18	64
Easton	1	2	3	15	10	11	21	12	14	89	1	2	2	2	8	10	13	16	54
Fleming	1	3	3	11	4	17	9	39	6	93	4	0	1	2	3	10	6	25	51
Gettysburg	15	3	5	3	16	19	10	14	8	93	2	1	2	2	13	7	21	20	68
Harrisburg, [Heisely]	2	0	0	22	5	1	21	32	0	83	1	0	0	8	1	1	15	18	44
Harrisburg, [Hickok]	12	6	20	4	4	8	29	9	1	93	0	0	0	0	0	0	1	1	2
Lewisburg	4	1	2	8	2	24	25	7	20	93	2	1	17	3	0	1	2	3	29
Meadville	0	1	0	1	13	8	9	19	42	93	1	0	1	0	2	5	20	17	46
Morrisville	2	4	4	8	17	24	3	8	23	93	1	1	1	5	7	30	12	6	63
Mount Joy	10	4	0	26	4	0	1	10	35	90	0	2	0	4	0	3	7	11	27
Murrysville	0	3	0	4	2	17	13	9	44	92	0	1	2	2	1	12	28	19	65
Nazareth	9	3	2	7	6	9	15	6	7	64	2	1	1	1	3	2	8	3	21
Norristown	0	0	2	13	4	31	28	0	0	78	0	1	3	6	1	21	23	2	57
North Whitehall	0	0	3	0	6	6	9	6	63	93	0	0	5	0	5	6	14	7	37
Philadelphia	6	4	5	14	9	25	8	22	0	93	0	0	1	2	2	13	7	10	35
Pittsburg, [Martin]	1	0	7	3	9	5	21	1	43	93	2	10	20	4	1	0	2	0	39
Pocopson	5	3	3	10	17	25	25	1	4	93	0	2	0	1	7	11	23	2	46
Shamokin	0	1	1	3	14	17	57	0	0	93	0	1	0	0	1	2	45	6	55
Tarentum	17	0	0	4	7	15	9	5	36	93	4	0	0	0	4	6	54	9	77
West Haverford	2	5	0	7	3	17	5	22	1	62	3	2	3	3	2	10	11	7	41
Westtown	7	9	5	10	8	23	1	26	3	92	0	3	2	3	3	11	7	24	53
DELAWARE—																			
Newark	3	13	3	3	2	10	5	29	0	68	2	13	3	2	2	8	5	14	49
MARYLAND—																			
Annapolis	17	16	4	17	13	9	9	7	1	93	1	0	0	0	0	24	5	2	32
Bladensburg	0	9	1	0	1	12	1	8	0	32	----	----	----	----	----	----	----	----	----
Frederick	0	10	0	4	5	9	12	13	35	88	5	0	0	3	2	1	36	4	54
Sykesville	10	3	4	10	7	15	32	12	0	93	2	0	3	11	1	3	52	1	73
DISTRICT OF COLUMBIA—																			
Washington, [Smith. Inst.]	0	16	2	9	2	26	4	31	3	93	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	2	10	6	5	20	10	6	23	0	82	----	----	----	----	----	----	----	----	----
Ashland	0	0	0	16	1	13	1	1	49	93	1	0	0	0	0	9	15	4	29
Berryville	3	12	6	10	12	22	15	13	0	93	8	1	1	4	8	21	21	11	75
Crack Whip	5	9	15	2	17	3	7	3	4	65	2	1	2	0	9	2	31	1	48

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Crichton's Store	24	4	3	2	5	37	15	1	2	93	1	0	0	0	0	13	22	0	36
Lewisburg											0	0	0	0	0	3	23	2	28
Portsmouth	7	19	2	12	11	27	4	10	1	93									
Rose Hill	10	5	6	6	4	17	10	5	12	75	0	0	0	0	0	0	8	2	10
Rougemont	8	3	8	2	28	6	22	4	9	90	7	2	1	1	4	3	48	0	66
Salem	0	6	16	7	2	17	20	25	0	93	0	5	10	7	1	15	29	4	71
Smithfield	5	16	5	12	18	22	6	8	0	92	2	8	5	2	5	9	32	9	72
Wirt Court-House	1	9	0	7	0	32	0	16	0	65	0	2	0	0	0	18	1	21	72
NORTH CAROLINA—																			
Chapel Hill	12	14	8	0	9	12	36	2	0	93	4	10	2	1	8	20	12	0	57
Murfreesborough	12	9	4	5	16	28	6	1	0	81	10	10	3	5	8	20	5	3	64
Poplar Grove	0	0	10	0	0	1	21	6	46	84	1	2	2	1	1	10	23	15	55
Warrenton	3	33	0	7	0	47	0	3	0	93									
SOUTH CAROLINA—																			
All Saints	10	15	6	5	14	17	23	3	0	93	3	13	2	3	3	25	44	3	96
Camden	6	18	1	6	6	35	9	5	7	93	1	16	2	2	1	14	26	7	69
Charleston, [Dawson]	0	10	3	7	4	37	0	1	0	62									
Charleston, [Johnson]	2	3	1	5	0	18	0	2	8	39									
GEORGIA—																			
Augusta	3	5	15	8	14	43	0	2	0	90									
Savannah	7	2	6	19	32	16	4	6	0	92	0	0	0	0	0	1	1	0	2
Sparta	6	14	3	11	9	35	2	11	0	91	1	6	2	1	4	16	18	6	54
The Rock	4	10	13	14	4	10	18	20	0	93									
Whitemarsh Island	0	6	0	5	17	17	12	0	10	67	0	4	0	2	2	4	14	7	33
Zebulon	4	25	18	5	4	5	13	19	0	93	0	5	9	0	4	3	8	10	39
FLORIDA—																			
Alligator	0	7	3	20	7	37	3	4	12	93	3	21	6	4	0	7	1	8	50
Atsena	1	0	9	5	3	10	6	2	3	39	2	1	4	2	0	8	4	0	21
Belair	0	17	12	17	9	8	4	3	20	90	1	0	7	12	2	28	19	4	73
Gainesville	12	5	24	13	13	4	16	6	0	93									
Jacksonville	3	32	8	9	3	32	2	4	0	93	10	12	2	3	1	6	1	0	35
St. Augustine	0	28	1	32	0	10	0	22	0	93	0	24	0	25	0	13	0	19	81
Salt Ponds	3	2	5	43	2	3	2	2	0	62									
Warrington	3	4	24	15	21	21	3	1	1	93	4	0	3	1	1	0	9	2	20
ALABAMA—																			
Auburn	0	1	12	13	33	16	12	0	0	87	0	0	6	7	26	11	3	2	55
Carlowville	12	2	1	4	19	13	20	20	0	91	5	0	1	0	0	2	10	0	18
Greene Springs	2	17	12	5	3	12	7	7	0	65	1	2	1	4	5	7	2	1	23
Greensborough	3	0	0	11	8	5	2	5	0	34	0	0	0	5	2	0	16	0	23
MISSISSIPPI—																			
Columbus	6	4	15	10	26	18	7	6	1	93	2	2	7	4	4	18	7	9	53
LOUISIANA—																			
Black River	26	5	8	11	32	5	2	1	0	90	6	8	4	9	5	15	3	2	52
New Orleans	0	14	0	24	0	20	0	0	0	58									
TEXAS—																			
Austin	11	4	2	4	71	1	0	0	0	93	20	2	0	2	59	1	2	6	92
New Braunfels	2	2	35	17	18	0	0	1	14	89									
Union Hill	8	4	9	33	22	16	1	0	0	93	9	7	1	9	18	18	0	1	63
Washington	83	0	1	0	6	0	1	0	2	93	3	10	2	0	0	0	0	2	17
TENNESSEE—																			
Glenwood	4	9	1	12	9	17	4	3	34	93	5	12	8	5	3	16	21	8	78
KENTUCKY—																			
Danville	0	5	5	4	3	35	17	23	0	92	0	0	1	1	0	32	19	8	61
Paris	3	12	7	13	5	29	5	19	0	93	4	1	1	0	5	3	25	2	41
Springdale	2	9	8	2	9	22	4	7	30	93									
OHIO—																			
Cincinnati, [Harper]	4	4	12	16	16	12	19	10	0	93									
Cleveland	10	8	1	11	20	6	12	15	6	89	5	0	0	0	3	5	17	12	42
Edinburg	0	32	7	17	0	12	1	2	21	92	0	3	0	0	0	12	27	25	67
Hillsborough	3	9	4	10	2	32	2	17	0	79	0	0	0	1	0	13	3	11	28
Hiram	14	3	4	2	13	24	8	14	9	91	4	0	1	2	1	9	20	16	53
Jefferson	0	0	0	0	0	45	0	48	0	93									

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Madison, [Atkins]	3	11	2	8	3	11	11	12	25	86	1	0	0	0	1	0	2	3	7
Madison, [Cunningham]	2	12	2	12	5	21	6	10	22	92	3	2	0	0	5	24	14	16	61
Medina	16	14	3	3	1	28	6	21	0	92	2	8	0	1	0	13	16	6	46
Savannah	3	0	0	3	4	38	20	25	0	93	2	0	0	2	2	27	16	14	63
Sidney	1	6	5	23	6	29	11	9	0	90	0	16	0	15	2	21	8	11	73
Urbana	1	0	4	9	7	14	5	8	34	82	2	2	2	0	4	17	21	8	56
Welchfield	7	3	5	20	6	26	12	14	0	93	1	2	0	3	2	9	14	11	42
MICHIGAN—																			
Battle Creek	8	4	5	4	22	13	13	6	18	93	6	2	0	0	4	8	31	12	63
Cooper	0	0	4	0	0	0	32	0	57	93	0	1	1	2	0	3	25	3	35
Copper Falls Mines	11	9	0	29	12	13	6	13	0	93									
Grand Rapids, [Currier]	1	9	7	12	0	37	5	5	17	93	0	3	0	3	0	12	4	3	25
Grand Rapids, [Streng]	5	9	4	10	5	24	25	11	0	93	6	6	5	1	3	7	38	12	78
Monroe	1	3	0	6	5	68	8	2	0	93	1	4	0	5	3	69	5	1	88
New Buffalo											0	2	4	4	0	12	25	17	64
Port Huron	13	3	0	9	1	37	6	24	0	93	10	2	0	5	0	24	4	14	59
INDIANA—																			
Evansville	6	3	1	3	21	31	5	23	0	93	1	12	21	7	3	2	5	3	54
Logansport	19	6	11	2	1	14	13	27	0	93									
Michigan City	20	10	1	10	28	12	2	6	4	93									
New Harmony	5	1	0	15	14	13	5	11	0	64									
Richmond	0	4	3	4	3	21	7	10	29	81									
ILLINOIS—																			
Athens	1	9	0	25	0	20	1	27	0	83	0	3	0	4	0	3	10	41	61
Augusta	4	3	9	12	16	14	8	12	15	93	5	3	2	2	8	8	10	5	43
Brighton	0	6	1	4	18	48	1	15	0	93	0	4	3	5	0	20	1	8	41
Edgington	5	13	0	16	1	27	2	28	1	93	8	9	0	16	1	30	2	24	88
Fremont Centre	11	12	11	14	12	12	15	6	0	93									
Manchester	1	6	3	0	19	28	27	9	0	93	2	1	4	1	13	14	22	6	63
Marengo	0	10	4	34	6	34	3	2	0	93									
Ottawa	6	12	11	8	7	18	9	15	2	88	1	1	2	0	2	10	3	13	32
Pekin	6	9	2	9	22	9	3	16	17	93	7	2	0	0	8	8	8	10	43
Peoria	0	21	11	3	16	12	18	12	0	93	6	1	0	0	1	3	12	2	19
Riley	4	7	16	8	8	9	7	14	18	91									
Warsaw	2	10	1	22	11	26	7	13	0	92	10	2	0	2	6	8	5	11	44
West Salem	7	4	5	8	19	8	6	5	31	93	4	1	0	0	3	7	37	16	68
West Urbana	2	11	1	16	12	20	9	22	0	93	6	0	0	0	0	0	0	1	7
Winnebago	2	21	1	14	5	17	12	21	0	93	1	1	1	0	1	1	29	5	39
MISSOURI—																			
Cape Girardeau	14	8	8	17	23	20	1	26	9	123	10	11	0	14	8	28	0	14	85
Palmyra	1	7	4	4	7	23	13	3	48	110	2	7	4	1	3	33	24	4	78
St. Joseph	0	13	1	44	5	23	0	12	24	122									
St. Louis	6	9	16	16	17	5	16	8	0	93									
Springfield	4	7	1	7	21	3	0	0	41	84									
WISCONSIN—																			
Appleton	14	22	0	1	3	31	10	11	1	93	10	18	15	1	5	28	8	7	92
Bay City	1	27	0	1	18	28	6	7	0	88	5	21	12	6	0	7	0	0	51
Beloit	14	8	7	10	15	15	10	14	0	93	2	0	0	0	0	2	2	2	8
Janesville	6	13	9	9	19	9	5	10	13	93									
Kenosha	1	6	20	3	11	11	4	5	29	90									
Madison, [Sterling]	6	7	3	5	15	15	6	18	0	75									
Manitowoc	11	6	6	10	17	15	11	17	0	93	1	0	0	0	0	3	18	5	27
Milwaukee, [Pomeroy]	11	11	11	17	0	23	13	7	0	93									
Milwaukee, [Winkler]	8	15	17	16	6	11	8	12	0	93									
New London	15	3	3	1	8	18	28	17	0	93	6	3	0	0	0	9	25	18	61
Platteville	3	13	5	20	18	5	11	18	0	93	0	5	7	4	3	30	4	15	68
Waukesha	16	2	0	3	15	6	8	8	35	93	1	0	6	0	5	7	12	1	32
IOWA—																			
Bellevue	7	12	2	16	12	11	11	22	0	93	2	7	0	5	1	4	2	13	34
Border Plains	22	1	3	20	27	5	5	8	2	93	2	0	0	0	0	1	6	15	24
Dubuque	9	6	2	11	15	18	2	6	18	87	4	3	2	7	3	9	9	13	50
Fairfield	1	3	4	13	12	10	7	13	30	93	9	5	9	2	3	0	3	0	31

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Fort Madison	0	2	0	18	5	44	0	23	1	93	2	2	0	3	1	15	23	9	55
Franklin	3	9	9	8	32	3	7	5	17	93	----	----	----	----	----	----	----	----	----
Iowa City	1	6	2	13	14	19	4	10	20	89	----	----	----	----	----	----	----	----	----
Muscatine	0	13	0	25	4	39	7	5	0	93	0	7	0	2	0	27	1	9	46
Pleasant Plain	5	7	9	4	16	22	7	10	2	82	0	0	0	1	0	6	24	10	41
Sioux City	1	6	7	17	28	7	2	25	0	93	0	3	0	6	1	3	5	12	30
Minnesota—																			
Hazlewood	0	3	2	3	17	6	5	27	0	63	0	2	2	0	0	2	9	1	16
Princeton	9	6	7	14	13	3	12	6	23	93	3	1	2	0	3	3	24	6	42
Nebraska—																			
Omaha	9	9	1	7	24	15	2	8	18	93	2	6	1	1	9	20	10	15	64
Kansas—																			
Council City	7	2	5	10	33	10	5	6	15	93	----	----	----	----	----	----	----	----	----
Lawrence	12	3	0	7	44	10	7	8	2	93	1	1	0	0	1	5	10	0	18
Dacotah—																			
Fort Union	4	12	11	6	3	8	25	24	0	93	1	4	8	3	1	4	10	11	42
Utah—																			
Great Salt Lake City	51	0	15	13	25	0	12	8	0	124	1	0	2	0	6	0	3	0	12
California—																			
Sacramento	8	2	0	29	25	21	3	5	0	93	0	0	0	6	6	3	1	0	16
San Francisco	0	0	0	0	0	1	52	0	40	93	0	0	1	0	2	7	40	0	59
West Indies—																			
St. George's, Bermuda	0	4	1	2	1	13	3	7	0	31	----	----	----	----	----	----	----	----	----
South America—																			
Catharina Sophia, Surinam.	2	20	19	30	4	12	2	4	0	93	0	14	25	23	0	3	1	3	69
Azores—																			
Horta, Fayal	13	22	2	6	7	9	10	1	23	93	21	9	1	5	5	10	21	3	75

No. 46.—WINDS—NUMBER OF OBSERVATIONS—SEPTEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	5	11	1	0	7	23	17	22	4	90	2	11	0	0	8	18	11	13	63
Red River Settlement	22	0	0	0	17	12	13	3	0	67	8	16	2	4	17	1	0	2	50
St. John's	8	16	0	8	6	10	23	19	0	90									
St. Martin	0	7	3	15	3	40	6	16	0	90									
Stanbridge	5	5	2	15	27	6	15	8	7	90									
Toronto	1	10	2	12	1	20	0	26	18	90									
Windsor	9	4	3	1	2	23	15	16	17	90	0	0	0	0	0	2	3	1	6
Wolfville	0	5	2	5	1	7	30	12	28	90	1	1	1	6	0	12	20	19	60
MAINE—																			
Cornish, [Guptill]	9	2	1	8	15	6	10	39	0	90	0	0	0	0	1	0	1	2	4
Cornish, [West]	0	5	5	3	4	33	25	15	0	90	0	1	0	0	0	2	3	7	13
Gardiner	1	8	3	14	4	11	3	26	20	90	0	0	0	2	2	8	1	15	28
Monson	3	0	2	7	22	3	3	45	5	90									
Perry	5	1	0	4	4	24	3	49	0	90	3	0	0	2	3	4	10	18	40
Portland	13	8	6	2	19	10	15	17	0	90	4	0	0	0	3	9	9	6	31
Steuben	5	14	0	2	0	39	5	17	8	90	3	1	1	1	0	24	13	4	47
NEW HAMPSHIRE—																			
Claremont	2	6	5	13	2	10	7	28	0	73	0	1	8	3	1	1	0	1	15
Concord	1	7	2	21	0	17	2	27	13	90	0	0	0	0	0	3	1	4	8
Francestown, [Bixby]	6	0	1	16	1	14	29	22	0	89	2	0	1	5	0	7	42	8	65
Francestown, [Root]	11	5	1	14	1	11	17	25	4	89	3	1	0	5	0	6	7	30	52
Manchester	0	0	0	11	1	13	10	19	0	54	0	0	0	11	0	8	5	5	29
North Barnstead	0	1	0	3	0	10	18	58	0	90	1	0	0	3	0	12	17	30	63
Shelburne	0	0	14	0	0	0	66	2	8	90	1	0	3	2	0	6	36	14	62
West Enfield	0	0	0	3	22	16	3	44	2	90	0	0	0	5	10	11	4	33	63
VERMONT—																			
Brandon	14	0	5	7	31	9	1	13	2	82	6	0	0	0	2	5	6	22	41
Craftsbury	7	5	0	5	36	10	13	11	3	90	7	1	0	0	6	8	17	20	59
Rupert											5	37	5	5	14	6	12	4	88
St. Johnsbury	4	0	0	4	22	4	16	28	11	89	0	0	3	0	9	0	21	5	38
Shelburn	11	0	0	0	45	3	0	12	0	71	0	2	6	10	1	1	0	0	20
MASSACHUSETTS—																			
Amherst	3	1	2	28	7	12	0	29	0	82	0	1	0	3	1	12	7	8	32
Cambridge	2	9	3	3	1	14	18	21	19	90									
Florida	1	6	4	5	1	15	0	58	0	90	0	6	4	5	1	11	0	40	67
Lawrence	1	4	4	10	5	29	10	27	0	90									
Mendon	0	10	0	4	2	37	0	37	0	90	0	8	1	5	2	17	0	30	63
Nantucket	5	20	3	10	1	19	2	13	17	90									
New Bedford	7	16	0	5	3	32	7	20	0	90	1	0	1	1	0	2	8	6	19
Newburyport	4	4	9	8	11	11	17	22	0	86									
Princeton	5	9	11	1	1	15	30	18	0	90	0	1	5	0	0	4	29	11	50
Richmond	1	2	0	10	0	32	0	28	0	73	1	1	0	7	1	8	0	11	29
Westfield	5	6	7	13	8	9	17	25	0	90	0	0	1	0	0	0	0	0	1
Weymouth	2	5	4	5	2	23	4	15	0	60									
Williamstown	0	3	4	6	5	12	17	26	14	87	0	1	0	6	2	8	17	2	30
Worcester	6	3	2	10	1	21	38	7	0	88									
RHODE ISLAND—																			
Providence	6	14	1	0	6	29	3	28	2	89									
CONNECTICUT—																			
Columbia	5	2	12	2	3	17	10	24	15	90	2	0	6	0	0	4	7	16	35
New London	12	14	4	14	3	28	9	6	0	90									
Norwich	1	20	1	5	5	8	5	17	28	90									
Pomfret	5	13	2	4	8	27	3	26	0	88	2	8	2	3	5	11	2	14	47
Saybrook	10	10	11	8	1	18	8	18	5	89	0	3	5	0	0	9	4	6	27
Wallingford	7	9	0	5	14	13	2	24	16	90	1	5	1	1	0	13	13	6	40
NEW YORK—																			
Baldwinsville	0	0	4	1	0	11	54	16	0	86	0	0	0	1	0	2	36	7	46
Blackwell's Island	17	21	4	4	13	16	10	5	0	90									
Bellport	15	4	5	16	6	15	13	16	9	90									
Canton	1	6	0	2	5	48	3	9	1	78	2	5	0	1	4	27	6	7	52
Cazenovia	6	1	2	5	7	28	10	24	6	89	3	0	2	5	5	13	19	23	70
Clinton	8	3	2	2	11	38	14	12	0	90	5	0	0	1	9	16	8	21	60

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Eden	9	7	7	2	23	20	9	3	0	80	4	2	1	0	6	7	16	2	38
Flatbush	11	9	5	8	14	15	7	21	0	90	1	1	1	2	0	6	14	11	36
McGrawville	0	0	3	15	1	7	38	23	1	88	----	----	----	----	----	----	----	----	----
Morrisania	8	12	3	14	17	6	16	11	0	87	----	----	----	----	----	----	----	----	----
New York city	7	11	4	7	4	18	27	12	0	90	1	3	0	2	1	23	11	2	43
Nichols	10	2	0	0	11	0	3	0	4	30	----	----	----	----	----	----	----	----	----
Ogdensburg	6	0	0	2	1	12	6	3	0	30	----	----	----	----	----	----	----	----	----
Oswego	17	0	3	5	33	6	18	5	3	90	----	----	----	----	----	----	----	----	----
Ovid	4	1	2	6	20	26	13	18	0	90	3	0	2	2	7	25	11	19	69
Penn Yan	1	0	0	0	24	23	35	7	0	90	----	----	----	----	----	----	----	----	----
Rochester, [Harkness]	9	3	3	1	24	3	14	3	30	90	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	15	9	4	3	16	19	15	9	0	90	4	0	4	1	3	6	17	14	49
Sag Harbor	7	14	10	7	17	15	8	12	0	90	1	2	0	0	0	9	12	3	27
Saratoga	2	15	1	14	3	11	3	11	0	90	2	11	1	14	3	41	4	11	90
Spencertown	23	0	2	4	25	20	1	15	0	90	2	0	0	2	5	4	6	15	34
Townsendville	6	0	1	14	15	13	13	15	13	90	2	0	1	2	2	7	18	10	42
Wampsville	1	0	9	5	34	9	31	1	0	90	2	0	8	2	23	4	34	2	75
Waterford	16	1	0	0	23	22	16	0	12	90	1	0	0	0	0	5	4	3	13
Wellsville	0	0	41	3	0	2	37	7	0	90	0	0	0	0	0	1	0	0	1
NEW JERSEY—																			
Bloomfield	5	21	0	0	0	39	4	21	0	90	----	----	----	----	----	----	----	----	----
Burlington	14	25	16	10	1	13	8	1	1	89	4	5	5	2	6	4	6	4	36
Lambertville	6	17	2	8	4	19	1	19	0	76	----	----	----	----	----	----	----	----	----
Newark	8	18	0	1	0	21	1	11	0	60	----	----	----	----	----	----	----	----	----
Sergeantsville	4	4	10	0	0	16	47	9	0	90	1	3	6	0	0	6	20	8	44
PENNSYLVANIA—																			
Bedford	0	2	0	11	2	18	5	40	0	78	0	1	0	3	2	8	7	21	42
Cannonsburg	0	14	16	0	0	3	30	9	16	88	0	0	0	0	0	1	1	0	2
Chromedale	3	21	6	3	3	6	3	13	32	90	1	0	3	5	0	7	17	8	41
Easton	5	6	7	5	4	3	21	15	15	81	1	1	2	2	2	5	11	6	30
Fleming	3	0	8	17	4	11	16	26	5	90	2	0	4	2	2	4	13	19	46
Gettysburg	14	9	4	2	18	13	4	7	11	82	3	6	2	1	6	14	9	7	48
Harrisburg, [Heisely]	4	3	5	20	13	1	3	37	0	86	1	0	0	7	4	1	0	18	31
Harrisburg, [Hickok]	11	12	15	3	12	4	20	13	0	90	----	----	----	----	----	----	----	----	----
Lewisburg	8	2	4	6	5	18	19	14	21	87	1	2	1	0	1	5	3	9	22
Meadville	5	0	1	3	11	3	6	7	54	90	2	2	0	1	1	12	11	9	38
Morrisville	7	16	1	5	3	23	7	11	17	90	3	12	1	3	0	26	9	5	59
Mount Joy	8	1	0	23	0	3	0	8	47	90	1	2	4	10	3	2	5	6	33
Murrysville	2	9	6	2	0	16	4	10	41	90	2	2	0	4	0	12	17	10	47
Nazareth	12	15	1	1	4	9	13	7	12	74	3	0	0	0	0	2	7	5	17
Norristown	0	3	4	9	4	7	44	7	0	78	0	2	8	3	0	8	23	0	44
North Whitehall	4	3	8	0	1	6	7	10	46	85	0	2	5	0	0	3	12	3	25
Philadelphia	3	14	4	12	3	22	9	23	0	90	0	5	3	2	0	6	7	5	28
Pittsburg	1	0	11	4	8	6	13	2	39	84	1	5	15	1	1	0	1	1	25
Pocopson	7	13	4	2	9	24	17	6	0	82	2	1	0	1	1	8	8	4	25
Shamokin	0	0	3	6	15	7	59	0	0	90	2	0	0	0	0	1	54	0	57
Tarentum	10	1	2	2	4	8	6	13	44	90	4	0	1	2	2	16	18	9	52
West Haverford	4	5	2	5	0	20	3	18	3	60	0	1	1	1	1	5	17	11	37
Westtown	8	12	3	18	2	12	4	27	3	89	1	4	1	5	1	12	2	20	46
DELAWARE—																			
Newark	6	31	4	7	0	14	1	21	0	84	2	9	2	4	0	3	1	8	29
MARYLAND—																			
Annapolis	19	31	1	9	12	7	3	8	0	90	0	3	0	1	1	21	0	3	32
Bladensburg	1	22	1	3	1	11	1	6	0	46	----	----	----	----	----	----	----	----	----
Frederick	2	12	1	2	1	9	14	16	27	84	0	1	1	2	1	3	21	4	33
Sykesville	13	16	2	11	10	10	18	10	0	90	1	7	6	4	5	5	33	0	61
VIRGINIA—																			
Alexandria	7	29	1	5	3	11	4	27	0	87	----	----	----	----	----	----	----	----	----
Ashland	11	0	0	10	4	8	0	1	56	90	0	0	0	3	1	6	9	3	22
Berryville	9	19	4	9	6	18	11	14	0	90	7	1	3	1	5	10	19	11	57
Crack Whip	9	10	15	4	31	2	11	2	6	90	7	2	1	1	8	3	18	3	43
Crichton's Store	12	7	2	2	1	19	6	7	4	90	0	0	0	0	0	18	5	0	23

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Kanawha	58	0	0	1	28	0	0	0	3	90	6	5	9	18	1	4	3	1	47
Lewisburg	----	----	----	----	----	----	----	----	----	----	1	0	0	0	0	12	7	0	20
Mos-y Creek	7	18	0	6	7	44	0	7	1	90	2	7	0	1	0	10	0	3	23
Portsmouth	2	34	10	8	2	7	6	21	0	90	----	----	----	----	----	----	----	----	----
Rose Hill	5	17	8	7	5	5	8	12	11	78	0	0	0	0	0	0	2	3	5
Rougemont	17	2	12	0	16	4	10	10	16	87	9	0	2	1	2	3	24	6	47
Salem	2	6	11	7	0	11	29	24	0	90	0	4	9	2	0	6	24	2	47
Smithfield	11	20	19	7	8	6	6	12	0	89	5	10	15	4	3	5	11	10	63
Wirt Court-House	2	5	0	3	0	17	0	20	19	66	0	3	0	4	0	17	0	20	44
NORTH CAROLINA—																			
Chapel Hill	24	17	4	0	1	8	19	17	0	90	3	13	5	1	0	20	6	7	55
Murfreesborough	14	16	7	1	5	6	3	7	0	59	7	13	3	0	3	5	2	3	36
Warrenton	3	53	3	1	0	7	5	18	0	90	----	----	----	----	----	----	----	----	----
SOUTH CAROLINA—																			
All Saints	29	34	5	5	7	5	8	6	0	90	7	29	5	3	2	15	22	5	88
Camden	5	36	7	0	2	8	2	21	9	90	3	13	6	6	0	14	5	5	52
Charleston, [Dawson]	1	36	6	5	0	10	0	2	0	60	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	2	21	1	0	0	3	0	3	0	30	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	18	25	7	5	2	3	14	4	0	78	----	----	----	----	----	----	----	----	----
Hillsborough	4	20	31	3	6	6	9	11	0	90	1	2	1	0	0	0	0	1	5
Philomith	0	1	0	3	0	15	0	0	0	19	----	----	----	----	----	----	----	----	----
Savannah	13	35	4	6	12	3	6	11	0	90	0	0	1	0	4	3	0	0	8
Sparta	9	37	7	5	2	11	5	10	0	86	0	7	6	6	3	10	6	2	40
The Rock	14	23	9	12	5	7	1	19	0	90	----	----	----	----	----	----	----	----	----
Whitemarsh Island	4	14	1	1	4	5	4	2	6	41	1	1	0	2	3	8	0	3	18
Zebulon	1	29	45	0	0	0	21	3	0	90	0	4	9	4	4	5	4	1	31
FLORIDA—																			
Alligator	12	19	21	9	3	8	7	3	8	90	1	5	3	2	0	19	12	4	46
Belair	4	22	17	10	5	4	4	10	12	88	0	0	5	20	1	16	6	4	52
Gainesville	14	37	13	2	5	5	8	6	0	90	----	----	----	----	----	----	----	----	----
Jacksonville	8	41	1	6	1	7	5	9	0	78	0	9	6	0	2	23	2	1	43
St. Augustine	0	59	2	10	0	4	0	15	0	90	0	53	4	2	0	2	0	17	78
Salt Ponds	4	28	16	9	0	1	0	2	0	60	----	----	----	----	----	----	----	----	----
Warrington	9	19	24	12	13	4	5	0	4	90	0	1	0	0	1	1	9	1	13
ALABAMA—																			
Auburn	6	4	27	19	5	5	21	1	0	88	0	13	0	1	1	10	1	0	26
Carlowville	6	16	17	12	11	14	8	6	0	90	1	0	3	7	15	9	4	1	40
Greene Springs	15	7	31	5	1	6	11	2	0	78	1	0	5	0	0	1	3	1	11
Greensborough	20	0	2	3	1	2	3	14	0	45	0	0	0	3	1	0	8	2	14
MI-SISSIPPI—																			
Columbus	17	5	16	25	7	7	2	10	1	90	5	1	6	11	4	10	10	2	49
LOUISIANA—																			
Black River	21	18	5	18	16	0	0	2	10	90	6	1	7	3	7	5	3	4	36
Trinity	0	4	47	12	25	0	2	0	0	90	2	1	5	5	12	7	0	2	34
TEXAS—																			
Austin	20	3	7	2	54	0	2	1	1	90	3	5	6	14	13	7	5	0	53
Union Hill	6	30	18	18	11	2	2	2	1	90	12	7	5	10	21	0	1	0	56
Washington	54	0	0	0	24	0	0	2	10	90	3	1	0	0	2	1	0	0	7
TENNESSEE—																			
Glenwood	13	8	3	11	10	6	2	4	33	90	3	5	1	7	3	17	24	4	64
KENTUCKY—																			
Danville	6	9	10	4	0	33	3	13	0	78	1	0	4	2	0	21	4	7	39
Paris	4	12	4	12	7	14	13	23	0	89	0	0	3	0	4	0	22	0	29
Springdale	0	6	9	2	3	15	11	3	41	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	2	8	3	8	4	36	10	11	0	82	0	6	0	2	0	35	5	12	60
Cincinnati, [Harper]	7	4	3	2	1	34	29	10	0	90	0	0	0	0	0	1	0	0	1
Cleveland	14	6	4	17	15	10	7	8	2	83	3	0	1	0	1	4	9	6	24
Edinburg	2	34	4	17	1	2	0	2	28	90	0	0	0	0	0	13	31	13	57
Hillsborough	2	12	1	9	0	25	1	24	1	75	0	1	0	4	0	11	2	9	27
Hiram	6	5	4	8	21	21	6	8	6	88	2	3	2	0	5	9	18	10	49

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Jefferson	0	9	0	9	0	39	0	33	0	90	0	6	0	9	0	31	0	23	69
Lancaster	0	3	8	4	2	10	7	4	27	65	0	3	9	4	3	6	7	2	34
Madison, [Atkins]	8	6	8	9	5	5	14	7	28	90	2	0	1	0	0	0	12	0	15
Madison, [Cunningham]	1	19	2	6	4	17	5	6	24	84	0	6	1	4	4	22	4	8	49
Medina	7	6	3	7	0	26	15	11	0	75	1	6	1	4	0	18	27	9	66
Savannah	1	13	0	2	0	46	6	22	0	90	0	10	0	1	0	26	3	14	54
Urbana	1	8	4	10	2	9	8	6	42	90	2	3	2	0	3	15	23	7	55
Welchfield	7	6	4	28	12	17	6	10	0	90	1	2	0	3	6	9	10	5	36
Michigan—																			
Battle Creek	5	6	8	3	19	16	9	5	19	90	5	3	1	0	1	20	16	10	56
Cooper	0	0	2	0	0	0	42	1	45	90	0	0	2	0	0	1	26	0	29
Grand Rapids, [Currier]	0	20	0	7	1	27	3	7	24	89	1	4	0	2	0	10	6	7	30
Grand Rapids, [Streng]	8	11	5	2	8	34	11	11	0	90	2	7	2	2	1	20	25	7	66
Marquette	3	18	0	8	2	29	6	20	1	87	0	6	0	2	0	1	0	3	12
Monroe	4	0	0	11	3	25	24	23	0	90	3	0	0	11	3	22	9	19	67
New Buffalo											0	1	1	1	1	32	20	11	67
Port Huron	9	7	0	1	1	40	3	11	3	75	3	1	0	0	0	22	12	8	46
Indiana—																			
Evansville	7	2	0	6	28	22	13	12	0	90	4	1	3	4	5	4	21	3	45
Logansport	13	5	8	3	1	11	21	28	0	90									
Michigan City	18	6	2	7	32	8	2	11	4	90	17	4	1	0	16	4	9	4	55
New Albany	6	4	0	7	5	30	7	28	0	87	2	2	0	5	5	18	6	10	48
New Harmony	2	0	4	15	16	13	5	15	0	70									
Illinois—																			
Athens	2	11	3	19	4	29	1	15	0	84	0	2	3	4	0	18	21	17	65
Augusta	3	2	9	7	15	24	7	9	14	90	3	1	4	0	7	10	9	8	42
Aurora	5	12	3	10	13	22	11	14	0	90	0	4	1	3	2	28	14	13	65
Batavia	0	17	0	1	0	60	0	12	0	90	0	9	0	1	0	47	0	11	68
Brighton	3	6	0	7	13	30	16	13	1	89	0	2	0	4	6	13	4	8	37
Chicago	6	3	0	9	30	21	6	15	0	90									
Edgington	9	10	2	7	7	40	0	15	0	90	7	8	2	7	6	35	0	11	76
Fremont Centre	0	15	0	6	27	18	13	11	0	90									
Manchester	5	2	2	1	40	14	16	10	0	90	3	2	1	1	26	9	10	8	60
Marengo	0	5	0	19	19	41	1	5	0	90									
Ottawa	1	11	2	9	16	21	4	11	6	81	1	1	0	0	4	16	1	3	26
Pekin	12	6	5	3	29	13	1	9	12	90	2	3	3	2	5	15	11	10	51
Peoria	8	10	10	3	24	10	20	5	0	90	1	0	1	0	4	4	10	1	21
Riley	2	7	3	7	11	20	5	6	15	76									
West Salem	5	3	1	6	28	6	6	5	30	90	0	0	0	0	0	7	28	0	35
West Urbana	14	5	2	12	22	22	1	12	0	90	0	0	0	0	0	2	0	0	2
Winnebago	1	12	1	12	11	28	1	24	0	90	1	2	0	0	1	8	15	7	34
Missouri—																			
Cape Girardeau	17	13	6	17	35	7	4	21	0	120	17	1	0	5	26	21	2	9	81
Palmyra	1	4	2	7	2	19	10	1	9	55	0	4	1	7	1	20	10	2	45
St. Joseph	0	7	0	33	1	46	0	16	16	119									
St. Louis	8	8	10	11	25	9	7	12	0	90									
Springfield	0	2	1	12	6	15	1	0	13	50									
Wisconsin—																			
Appleton	12	21	2	0	4	36	8	3	0	86	9	16	1	0	4	33	2	6	71
Bay City	1	21	1	0	9	39	10	8	0	89	0	5	0	0	0	24	0	2	31
Beloit	18	7	1	10	27	10	13	4	0	90	1	1	0	0	3	5	0	2	12
Janesville	2	6	2	5	26	20	11	10	8	90									
Kenosha	4	5	10	5	10	10	5	3	32	84									
Lind	7	4	3	3	27	12	20	9	0	85	6	1	0	1	11	10	18	2	49
Madison, [Sterling]	4	3	3	2	28	27	8	13	0	88									
Manitowoc	12	4	2	5	19	21	12	15	0	90	0	2	0	0	3	12	15	5	37
Milwaukee, [Pomeroy]	3	11	6	29	5	11	3	22	0	90									
Milwaukee, [Winkler]	7	14	3	23	4	13	11	15	0	90									
New London	22	6	0	0	6	36	6	14	0	90	14	6	0	2	6	19	11	11	69
Platteville	10	5	5	27	10	9	5	19	0	90	7	4	2	2	3	15	8	18	59
Waukesha	8	5	4	0	11	8	4	3	0	43	0	0	0	0	2	6	5	0	13

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—																			
Bellevue	3	4	2	11	27	12	3	25	0	87	0	1	1	1	6	4	1	8	22
Border Plains	21	3	1	20	38	2	1	2	2	90	1	0	0	2	3	4	7	9	26
Dubuque	8	11	0	3	15	15	5	8	19	84	4	9	0	1	8	12	8	6	48
Fairfield	8	3	6	11	7	17	0	9	29	90	16	3	10	0	0	0	6	1	36
Fort Madison	0	10	0	10	1	47	1	16	5	90	4	3	1	2	2	18	14	12	56
Franklin	10	6	2	2	28	15	4	7	16	90	----	----	----	----	----	----	----	----	----
Muscatine	1	10	0	35	0	30	2	12	0	90	0	5	0	5	1	19	0	7	37
Pleasant Plain	0	4	9	10	19	21	2	15	3	83	0	7	1	0	3	20	11	9	51
Sioux City	2	1	3	11	11	8	0	18	0	54	1	0	0	0	3	0	5	10	19
MINNESOTA—																			
Burlington	0	0	3	3	12	2	9	1	0	30	----	----	----	----	----	----	----	----	----
Hazlewood	4	4	0	8	31	4	5	34	0	90	3	2	0	3	10	1	4	5	28
Princeton	9	10	2	9	19	9	6	5	21	90	10	6	3	2	8	4	10	6	49
NEBRASKA—																			
Bellevue	28	0	3	1	35	1	0	0	5	73	----	----	----	----	----	----	----	----	----
Omaha	3	3	0	17	21	16	3	18	9	90	2	1	1	5	11	21	12	16	69
KANSAS—																			
Lawrence	11	2	0	4	53	1	7	12	0	90	3	0	0	0	6	3	3	0	15
DACOTAH—																			
Fort Union	2	9	8	6	5	14	31	15	0	90	2	3	1	2	2	8	9	10	37
UTAH—																			
Great Salt Lake City	31	3	14	9	30	8	13	11	1	120	4	1	0	0	0	2	3	0	10
CALIFORNIA—																			
Sacramento	14	3	1	20	20	17	2	13	0	90	0	0	0	0	3	13	1	3	20
San Francisco	0	1	0	0	0	5	45	0	39	90	4	2	0	0	2	9	28	2	47
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	1	52	12	18	6	1	0	0	0	90	0	2	20	33	2	0	0	0	57
AZORES—																			
Horta, Fayal	11	11	2	6	8	25	8	4	10	85	9	4	3	3	5	19	16	11	70

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	10	17	0	1	9	13	19	12	12	93	7	15	0	2	9	12	16	11	72
Red River Settlement	16	2	0	3	26	14	10	6	0	77	8	16	5	8	14	0	0	2	53
St. John's	6	28	5	9	5	18	12	10	0	93	----	----	----	----	----	----	----	----	----
St. Martin	0	31	3	14	2	27	4	12	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	4	22	7	22	16	2	10	4	6	93	----	----	----	----	----	----	----	----	----
Toronto	3	24	2	11	2	7	4	28	12	93	----	----	----	----	----	----	----	----	----
Windsor	7	11	5	3	6	17	18	14	11	92	0	1	0	0	0	0	1	1	3
Wolfville	0	6	12	6	0	11	23	13	21	92	3	10	5	8	1	11	22	12	72
MAINE—																			
Cornish, [Guptill]	10	8	7	2	4	17	11	34	0	93	0	0	0	0	0	1	0	2	3
Cornish, [West]	8	19	8	3	4	27	12	12	0	93	0	0	0	0	0	5	1	10	16
Gardiner	2	23	1	8	3	10	7	18	20	93	3	7	0	3	2	12	1	7	35
Monson	12	3	1	2	9	2	7	48	9	93	----	----	----	----	----	----	----	----	----
Perry	5	9	0	7	13	17	4	38	0	93	7	10	0	1	6	11	4	9	48
Portland	15	26	3	2	17	6	8	15	0	92	1	2	0	0	3	5	5	7	23
Steuben	3	35	0	5	0	30	0	16	4	93	3	11	0	2	0	19	3	10	48
NEW HAMPSHIRE—																			
Claremont	5	10	16	5	1	6	14	17	0	74	5	1	5	0	0	3	3	6	23
Concord	1	21	3	12	0	8	1	33	13	92	0	0	0	0	0	1	0	2	3
Francestown, [Bixby]	1	14	11	4	0	9	4	16	0	59	1	3	15	3	0	3	17	8	50
Francestown, [Root]	9	21	4	4	0	17	5	25	7	92	5	13	5	2	1	10	3	18	57
Manchester	0	4	3	15	5	0	20	7	0	54	0	4	1	16	5	0	10	3	39
North Barnstead	10	26	0	2	0	4	13	38	0	93	5	29	1	0	0	6	24	11	76
Shelburne	0	0	18	0	0	0	63	2	10	93	1	0	6	8	1	11	25	20	72
VERMONT—																			
Brandon	30	0	6	13	16	7	2	14	5	93	4	0	0	0	2	5	6	15	32
Craftsbury	4	24	2	6	20	11	7	16	3	93	5	10	1	2	1	9	13	20	61
Rupert	----	----	----	----	----	----	----	----	----	---	1	46	3	12	10	9	5	3	89
St. Johnsbury	30	2	2	2	24	1	5	27	0	93	3	3	0	0	8	6	8	10	38
Shelburn	21	0	0	0	42	6	5	12	0	86	2	1	4	3	0	0	0	0	10
MASSACHUSETTS—																			
Amherst	9	7	2	21	3	10	0	36	0	88	1	5	6	4	0	9	8	10	43
Bridgewater	15	20	6	5	8	12	19	8	0	93	2	1	2	1	4	4	4	1	19
Cambridge	6	14	5	2	5	18	6	13	22	91	----	----	----	----	----	----	----	----	----
Florida	0	6	4	12	2	12	4	50	3	93	0	7	4	11	0	11	4	31	68
Lawrence	0	13	13	6	0	11	6	37	7	93	----	----	----	----	----	----	----	----	----
Mendon	0	31	3	0	1	31	2	25	0	93	0	26	3	0	1	22	1	9	62
Nantucket	5	28	4	15	10	13	5	13	0	93	----	----	----	----	----	----	----	----	----
New Bedford	6	24	4	11	4	17	3	24	0	93	3	1	1	2	2	6	7	4	26
Newburyport	8	13	8	0	16	2	20	11	0	78	----	----	----	----	----	----	----	----	----
Princeton	5	16	14	5	2	8	28	15	0	93	5	8	9	5	0	4	15	3	49
Westfield	5	10	6	14	3	4	17	33	0	92	0	0	0	0	0	1	2	1	4
Weymouth	5	4	6	5	6	14	9	13	0	62	----	----	----	----	----	----	----	----	----
Williamstown	2	2	8	11	7	8	11	28	16	93	12	0	0	2	9	5	9	5	42
Worcester	9	7	17	8	6	21	23	1	0	92	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	6	18	4	4	0	12	2	18	29	93	3	8	2	3	0	7	3	17	43
New London	7	14	16	0	3	21	7	22	0	93	----	----	----	----	----	----	----	----	----
Norwich	3	23	2	8	4	14	1	12	26	93	----	----	----	----	----	----	----	----	----
Pomfret	6	26	3	3	13	10	0	31	0	92	1	15	3	2	4	17	1	15	58
Saybrook	12	20	7	9	3	13	8	3	6	81	3	7	3	1	4	15	5	1	39
Wallingford	21	17	3	6	8	8	6	24	0	93	1	10	1	2	0	11	11	6	42
NEW YORK—																			
Baldwinsville	6	8	10	0	5	11	38	7	0	85	5	4	1	1	0	2	39	5	57
Bellport	8	24	2	23	3	8	9	16	0	93	----	----	----	----	----	----	----	----	----
Blackwell's Island	20	27	5	5	11	9	8	8	0	93	----	----	----	----	----	----	----	----	----
Canton	1	25	3	0	5	36	6	4	5	85	0	21	4	0	3	29	4	2	63
Cazenovia	10	2	5	4	12	8	12	35	3	91	6	1	3	2	1	13	17	32	75
Clinton	15	5	7	0	10	19	7	30	0	93	17	0	4	1	4	12	13	14	65
Eden	12	10	10	19	23	4	2	6	0	86	6	3	5	2	0	0	13	12	41
Flatbush	15	21	8	4	6	7	10	22	0	93	5	6	6	5	4	9	6	5	46
Madrid	0	28	0	0	1	22	2	3	17	73	0	22	0	0	0	17	2	3	44

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Morrisania	17	7	9	5	11	5	24	15	0	93									
New York city	3	24	0	13	1	5	32	15	0	93	0	2	15	10	0	9	28	6	70
Nichols	15	0	0	0	9	2	3	0	2	31									
Ogdensburg	6	5	0	0	2	12	2	3	0	30									
Oswego	4	21	13	9	11	10	20	4	1	93									
Ovid	16	5	2	3	18	16	14	19	0	93	10	0	0	0	3	17	17	15	62
Penn Yan	0	4	0	0	11	19	39	20	0	93									
Pompey	11	9	0	6	19	12	12	24	0	93	0	0	1	1	0	0	0	4	6
Rochester, [Harkness]	23	1	0	0	14	2	16	1	36	93									
Rochester, [Palmer]	15	20	7	6	18	7	12	8	0	93	8	12	6	10	7	7	11	10	71
Sag Harbor	15	14	9	10	15	5	17	8	0	93	4	4	0	2	5	13	7	1	36
Saratoga	9	13	3	2	7	19	2	8	0	63	7	13	3	2	7	20	3	8	63
Spencertown	28	4	2	5	27	2	2	21	0	91	1	0	0	0	2	0	0	7	10
Townsendville	0	0	1	8	11	17	12	35	9	93	0	0	0	0	0	17	9	17	43
Wampsville	2	1	11	2	22	0	54	1	0	93	1	0	10	2	18	0	47	1	79
Waterford	20	18	0	1	21	4	14	6	9	93	3	0	1	0	3	0	5	1	13
Wellsville	0	0	24	0	0	0	67	2	0	93	0	0	0	0	0	2	1	1	4
NEW JERSEY—																			
Bloomfield	6	16	1	7	3	20	6	34	0	93									
Burlington	8	17	17	4	3	5	5	7	0	66	3	9	9	1	2	9	9	4	46
Lambertville	6	25	1	6	3	5	6	25	0	77									
Newark	6	22	4	3	1	7	5	14	0	62									
Sergeantsville	0	3	11	0	1	17	19	6	0	57	0	1	17	0	1	4	6	2	31
PENNSYLVANIA—																			
Bedford	0	0	0	12	0	18	1	25	0	56	0	0	0	7	0	19	2	17	45
Cannonsburg	0	2	27	2	1	13	31	13	4	93									
Chromedale	13	19	4	1	3	5	1	22	25	93	4	6	5	2	4	16	11	4	52
Easton	11	10	7	6	3	2	18	23	9	89	5	8	2	3	1	11	11	12	53
Fleming	5	6	12	14	3	15	11	18	9	93	10	3	12	3	2	9	11	16	66
Gettysburg	13	13	9	1	16	8	12	10	11	93	6	5	4	1	0	4	5	6	31
Harrisburg, [Heisely]	16	5	6	27	3	0	7	29	0	93	2	1	1	10	2	0	2	12	30
Harrisburg, [Hickok]	11	14	15	4	9	3	19	18	0	93									
Lewisburg	13	5	1	6	5	9	4	16	23	92	4	2	0	2	2	5	5	7	27
Meadville	13	0	1	3	8	3	7	14	36	85	9	3	1	0	0	8	6	12	39
Morrisville	3	24	17	6	6	18	4	5	10	93	1	18	8	6	1	21	2	5	62
Mount Joy	0	2	0	30	0	1	0	25	3	61	1	0	0	25	0	0	1	11	38
Murrysville	1	9	3	9	0	25	9	14	23	93	2	1	2	1	0	22	6	19	53
Nazareth	7	8	1	0	0	1	21	13	20	71	0	2	0	0	0	1	2	4	9
Norristown	3	6	13	7	0	8	29	16	0	82	2	7	9	2	0	8	27	10	65
North Whitehall	9	6	7	0	0	7	7	4	53	93	8	2	4	0	0	5	11	4	34
Philadelphia	3	28	4	2	0	19	7	30	0	93	0	3	2	1	0	6	6	7	25
Pittsburg, [Martin]	1	2	12	5	10	8	20	3	32	93	3	15	13	9	0	0	2	4	46
Pocopson	14	13	4	3	7	14	21	11	6	93	4	7	2	0	1	12	4	6	36
Shamokin	0	0	0	2	29	22	39	1	0	93	2	0	0	0	0	1	78	0	81
Tarentum	4	2	0	3	3	15	9	20	37	93	9	6	0	5	1	13	19	17	70
West Haverford	0	11	8	1	1	10	6	23	2	62	3	9	2	0	0	10	12	9	45
Westtown	4	9	5	9	3	4	1	17	1	53	3	6	5	2	4	5	1	7	33
DELAWARE—																			
Newark	11	18	11	0	2	12	2	36	0	92	2	9	2	0	0	4	0	6	23
MARYLAND—																			
Annapolis	17	25	2	3	13	10	6	15	2	93	2	4	0	0	5	16	1	2	30
Bladensburg	1	13	3	1	0	10	0	6	0	34									
Frederick	2	20	6	3	3	3	14	26	19	90	4	1	4	2	4	2	17	13	47
Sykesville	9	15	4	7	9	7	28	14	0	93	0	2	16	9	0	6	39	4	76
DISTRICT OF COLUMBIA—																			
Washington, [Smith Inst.]	5	25	0	0	1	14	3	41	4	93	0	0	0	0	0	0	0	1	1
VIRGINIA—																			
Alexandria	17	25	2	2	20	2	3	22	0	93									
Ashville	8	2	0	10	3	8	0	11	49	91	3	2	0	1	0	13	15	4	38
Berryville	12	11	10	6	7	11	10	25	0	92	11	3	6	5	6	5	16	7	59
Crack Whip	8	6	11	2	15	0	3	4	5	54	8	1	4	1	1	3	7	4	29
Crichton's Store	25	12	1	1	10	10	18	12	4	93	0	0	0	0	0	10	6	0	16

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Lewisburg	0	0	0	0	0	0	0	1	0	1	0	1	9	0	0	3	14	14	41
Mossy Creek	3	9	0	3	3	22	2	9	0	51	2	6	0	2	0	13	1	7	31
Portsmouth	9	24	6	6	0	14	9	25	0	93	----	----	----	----	----	----	----	----	----
Rose Hill	13	14	8	4	2	6	7	6	10	70	0	0	0	0	0	0	2	1	3
Rougemont	9	6	17	1	5	3	8	9	6	64	6	2	15	0	1	1	6	0	31
Salem	0	7	18	11	0	10	24	23	0	93	1	2	18	2	1	3	26	7	60
Smithfield	20	14	12	2	9	5	14	16	0	92	10	5	5	3	3	6	16	10	58
Winchester	0	0	0	1	0	5	23	5	58	92	0	0	0	0	0	0	10	0	10
Wirt Court-House	0	5	0	7	0	15	1	24	29	81	0	2	0	5	1	37	1	15	61
NORTH CAROLINA—																			
Chapel Hill	15	23	1	0	4	7	20	21	0	91	1	14	2	1	4	16	6	7	51
Murfreesborough	3	15	8	9	2	7	17	16	15	92	2	13	5	5	2	6	18	7	58
Warrenton	8	37	0	3	1	12	4	28	0	93	----	----	----	----	----	----	----	----	----
SOUTH CAROLINA—																			
All Saints	21	27	9	1	2	8	8	17	0	93	6	16	7	1	1	14	28	5	78
Camden	4	28	3	5	1	9	2	31	10	93	1	20	5	1	1	14	8	18	68
Charleston, [Dawson]	0	39	3	2	0	3	0	15	0	62	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	4	20	0	0	0	0	0	7	0	31	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	21	32	3	5	0	2	16	2	0	81	----	----	----	----	----	----	----	----	----
Hillsborough	4	28	14	2	2	8	10	25	0	93	4	1	8	2	0	2	0	1	18
Savannah	13	28	10	2	1	2	11	13	0	80	0	0	0	1	0	2	2	1	6
Sparta	2	42	11	5	0	3	9	20	0	92	1	13	6	2	3	3	16	13	57
The Rock	14	12	22	6	1	3	6	29	0	93	----	----	----	----	----	----	----	----	----
Whitemarsh Island	8	44	2	2	1	1	3	16	16	93	3	11	1	2	2	9	7	12	47
Zebulon	4	22	32	2	0	1	6	26	0	93	2	9	2	3	3	4	1	13	37
FLORIDA—																			
Alligator	16	26	16	1	0	2	5	19	8	93	3	4	9	9	10	9	6	4	54
Atsena	19	39	2	1	1	2	6	18	4	92	13	22	5	0	0	1	2	10	53
Belair	7	26	31	1	0	0	0	7	3	75	1	10	2	11	2	9	15	8	58
Gainesville	24	17	21	3	3	2	10	13	0	93	----	----	----	----	----	----	----	----	----
Jacksonville	3	32	0	2	1	5	1	41	0	85	0	13	2	0	0	12	1	19	47
St. Augustine	10	50	1	1	0	1	0	30	0	93	6	48	1	1	0	1	1	20	78
Salt Ponds	15	22	7	3	0	1	4	8	2	62	----	----	----	----	----	----	----	----	----
Warrington	5	18	36	14	4	4	5	7	0	93	0	0	0	0	0	0	5	0	5
ALABAMA—																			
Auburn	7	10	25	16	4	3	11	17	0	93	1	13	9	9	2	9	11	5	59
Carlowville	12	20	8	4	14	10	15	10	0	93	0	0	0	0	3	5	12	0	20
Greene Springs	7	4	20	11	0	1	8	11	19	81	0	0	2	3	0	2	7	10	24
Greensborough	7	4	6	17	2	2	4	27	0	69	2	2	2	8	0	0	9	1	24
MISSISSIPPI—																			
Columbus	9	3	33	4	8	1	12	23	0	93	2	1	11	6	0	3	17	16	56
LOUISIANA—																			
Black River	49	9	7	7	14	1	1	4	1	93	11	5	0	4	8	12	5	14	59
New Orleans	0	65	0	1	0	2	0	25	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin	32	8	10	2	18	0	12	4	7	93	6	4	1	3	7	6	12	0	39
New Braunfels	22	3	20	2	8	2	0	4	29	90	----	----	----	----	----	----	----	----	----
Union Hill	27	8	30	14	4	0	3	4	3	93	26	0	10	1	19	0	15	0	71
Washington	26	0	0	0	36	0	0	0	25	87	2	0	0	0	1	0	2	0	5
TENNESSEE—																			
Glenwood	6	14	2	14	8	3	6	16	24	93	3	6	8	7	4	10	26	19	83
KENTUCKY—																			
Millersburg	9	3	13	9	1	11	9	10	27	92	3	0	2	1	0	9	41	4	60
Paris	4	7	12	12	10	26	3	19	0	93	4	0	0	0	17	4	23	0	48
Springdale	5	11	9	2	5	19	9	7	26	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Belle Centre	3	11	13	4	3	17	15	14	10	90	4	9	1	0	3	13	33	9	72
Bellefontaine	0	26	9	5	4	19	8	13	0	84	0	25	0	4	0	34	6	3	72
Cincinnati, [Harper]	0	2	34	0	4	25	17	11	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Hurtt]	6	2	2	7	3	12	40	9	12	93	1	0	0	0	1	4	41	7	54
Cleveland	14	13	2	15	22	6	8	7	2	89	11	4	1	4	7	4	10	5	46

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Edinburg	1	19	5	27	1	10	1	6	23	93	0	2	0	0	0	15	24	31	72
Hillsborough	1	28	0	13	3	26	0	22	0	93	0	2	0	2	1	10	0	10	25
Hiram	15	13	4	6	11	20	2	7	10	88	11	3	2	1	4	8	3	3	35
Jefferson	0	0	0	0	0	35	1	57	0	93	0	0	0	0	0	33	0	47	80
Lancaster	2	10	5	2	2	8	3	12	28	72	3	6	2	0	2	11	4	17	45
Madison, [Atkins]	0	14	3	7	10	5	14	11	26	90	0	0	1	0	1	0	1	1	4
Madison, [Cunningham]	0	24	6	11	7	15	6	14	10	93	7	16	1	3	1	23	13	12	76
Medina	9	16	3	11	2	29	8	15	0	93	6	13	1	5	0	29	21	15	90
Ripley	5	0	0	21	3	2	0	11	23	65	2	0	0	0	0	0	0	10	12
Savannah	6	15	1	22	0	15	15	19	0	93	7	13	0	10	0	15	16	13	74
Urbana	2	6	2	14	6	7	6	10	40	93	5	5	0	1	4	4	34	7	60
Welchfield	7	11	4	19	4	21	8	19	0	93	1	0	0	2	1	7	4	9	24
Michigan—																			
Battle Creek	4	6	15	7	6	11	11	10	23	93	1	5	5	0	3	16	29	11	70
Cooper	0	0	4	0	0	0	33	0	53	90	0	0	1	0	0	0	10	13	24
Grand Rapids, [Currier]	1	39	4	4	0	9	6	8	20	91	2	4	0	1	1	8	3	1	20
Grand Rapids, [Streng]	16	16	19	3	3	2	24	10	0	93	7	6	2	15	2	18	22	4	76
Marquette	5	15	0	5	8	16	16	24	0	89	1	0	0	1	0	2	0	0	4
Monroe	3	0	0	21	0	21	0	24	0	69	2	0	0	15	0	21	0	19	57
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	1	7	5	1	14	32	10	70
Port Huron	13	6	0	9	5	27	6	12	8	86	7	8	1	3	2	26	3	8	58
Indiana—																			
Evansville	7	7	2	12	22	16	12	15	0	93	4	2	5	5	7	10	17	4	54
Logansport	9	3	3	5	1	13	29	30	0	93	----	----	----	----	----	----	----	----	----
Michigan City	16	17	4	16	18	3	8	9	2	93	10	5	4	9	8	3	10	12	61
New Albany	6	24	1	4	4	10	0	9	0	58	5	9	1	3	4	6	2	8	38
New Harmony	7	0	18	7	4	10	13	13	0	72	0	0	0	0	0	0	1	0	1
Richmond	2	2	2	4	3	13	6	9	31	72	----	----	----	----	----	----	----	----	----
Illinois—																			
Athens	0	12	1	26	0	13	4	27	0	83	0	1	0	8	0	8	16	17	50
Augusta	5	8	16	14	4	11	16	15	4	93	2	2	9	6	4	6	13	8	50
Aurora	5	12	9	15	3	6	17	26	0	93	2	7	2	9	1	11	16	19	67
Batavia	0	34	0	5	0	29	0	25	0	93	0	23	0	4	0	27	0	18	72
Brighton	7	31	7	10	8	19	5	6	0	93	0	2	0	6	1	10	0	3	22
Chicago	9	18	6	9	3	3	18	27	0	93	----	----	----	----	----	----	----	----	----
Edgington	9	12	2	16	11	16	4	22	0	92	7	12	1	20	6	13	3	20	82
Fremont Centre	0	16	12	15	4	26	10	10	0	93	----	----	----	----	----	----	----	----	----
Manchester	10	2	8	6	20	16	17	14	0	93	6	2	5	2	13	16	15	6	65
Marengo	0	6	7	23	9	45	1	2	0	93	----	----	----	----	----	----	----	----	----
Ottawa	2	13	21	4	2	7	14	13	7	83	2	0	1	2	0	4	2	3	14
Pekin	12	12	8	3	15	9	4	19	11	93	5	2	2	1	4	9	6	18	47
Peoria	15	13	18	8	9	2	25	3	0	93	1	0	3	0	1	3	6	0	14
Riley	5	8	8	9	8	7	14	10	15	84	----	----	----	----	----	----	----	----	----
West Salem	5	13	3	7	10	7	10	10	28	93	0	0	0	2	5	13	28	1	49
West Urbana	5	20	14	7	3	16	13	15	0	93	----	----	----	----	----	----	----	----	----
Winnebago	8	9	6	22	2	18	4	24	0	93	1	0	0	0	0	4	9	6	20
Missouri—																			
Cape Girardeau	25	23	4	14	12	15	3	28	0	124	6	8	11	5	3	22	27	13	95
St. Joseph	2	25	0	32	0	17	0	14	29	119	----	----	----	----	----	----	----	----	----
St. Louis	6	9	21	3	10	8	20	16	0	93	----	----	----	----	----	----	----	----	----
Springfield	5	9	6	16	14	7	3	5	8	73	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	7	26	0	2	2	37	5	9	0	88	8	18	0	0	7	27	1	10	71
Bay City	7	15	0	3	9	41	3	13	0	91	6	1	0	0	5	4	0	4	20
Beloit	8	15	7	14	9	11	12	17	0	93	1	3	1	0	5	0	2	1	13
Janesville	5	7	17	4	7	7	10	22	11	90	----	----	----	----	----	----	----	----	----
Kenosha	0	3	12	4	9	5	9	5	41	88	----	----	----	----	----	----	----	----	----
Lind	13	10	9	2	24	1	14	7	4	87	8	10	4	1	9	2	13	3	50
Madison, [Sterling]	5	6	3	18	11	18	2	28	0	91	----	----	----	----	----	----	----	----	----
Manitowoc	9	10	6	14	5	16	16	1.	0	93	3	2	0	4	6	3	6	5	29
Menasha	10	7	9	8	2	1	7	9	19	93	5	3	9	6	2	1	5	7	38
Milwaukee, [Pomeroy]	7	31	10	4	3	6	10	22	0	93	----	----	----	----	----	----	----	----	----

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Milwaukee, [Winkler]	2	14	16	14	1	5	9	32	0	93									
New London	18	0	2	1	5	30	18	19	0	93	11	2	0	0	2	19	9	10	53
Waukesha	14	3	3	1	7	6	7	9	0	50	2	0	3	2	2	1	7	0	17
IOWA—																			
Bellevue	4	6	1	22	7	4	22	27	0	93	1	0	2	11	2	1	1	6	24
Border Plains	13	3	7	24	18	9	0	19	0	93									
Dubuque	11	9	2	23	9	6	2	15	7	84	4	3	6	12	5	7	2	17	56
Fairfield	0	5	2	17	3	7	1	21	37	93	0	2	8	2	0	0	4	6	22
Fort Madison	1	9	3	19	9	22	3	23	4	93	1	3	5	6	4	14	22	10	65
Franklin	14	3	8	6	20	12	10	8	11	92	1	0	0	0	0	0	0	0	1
Muscatine	0	15	0	33	0	28	0	17	0	93	0	0	0	3	0	7	2	0	12
Pleasant Plain	7	4	5	12	18	13	7	16	6	88	1	0	2	5	4	5	5	2	24
MINNESOTA—																			
Burlington	1	0	0	2	10	9	5	4	0	31									
Hazlewood	7	4	5	12	18	13	7	16	6	88	0	0	1	6	14	1	12	0	34
Princeton	3	2	10	15	12	10	8	13	20	93	2	2	5	11	10	8	7	12	57
NEBRASKA—																			
Bellevue	37	4	20	2	21	1	1	0	7	93	17	2	24	0	15	0	0	0	58
Omaha	8	9	2	26	6	8	3	21	10	93	6	5	3	14	7	7	8	10	60
KANSAS—																			
Lawrence	18	6	9	5	34	2	5	14	0	93	3	0	2	0	7	3	2	0	17
DACOTAH—																			
Fort Union	2	1	3	6	15	14	40	12	0	93	0	0	0	0	2	3	14	1	20
UTAH—																			
Great Salt Lake City	35	6	15	12	26	5	16	9	0	124	3	0	1	0	0	0	1	0	5
CALIFORNIA—																			
Sacramento	23	6	3	16	9	9	4	23	0	93	0	3	1	5	0	18	0	1	28
San Francisco	2	1	0	0	3	3	28	1	55	93	2	2	1	2	8	9	18	1	43
SOUTH AMERICA—																			
Catharina Sophia, Surinam	4	44	16	18	10	1	0	0	0	93	9	17	13	1	9	14	6	3	72
AZORES—																			
Horta, Fayal	16	24	16	3	8	11	4	2	9	93	0	3	22	23	3	0	0	0	51

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	0	9	0	6	8	41	18	6	2	90	2	8	0	6	10	36	13	6	81
Red River Settlement	14	0	0	0	21	11	10	24	0	80	6	6	5	14	8	0	0	2	41
Rigolet	6	1	1	2	3	1	7	26	13	60	----	----	----	----	----	----	----	----	----
St. John's	11	8	0	2	10	11	11	37	0	90	----	----	----	----	----	----	----	----	----
St Martin	0	11	1	12	0	52	3	11	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	1	1	3	25	36	4	16	2	1	89	----	----	----	----	----	----	----	----	----
Toronto	0	10	1	7	0	57	1	10	4	90	----	----	----	----	----	----	----	----	----
Windsor	11	6	0	3	8	28	6	18	6	86	0	0	0	0	0	0	3	1	4
Wolfville	2	5	2	5	6	25	20	17	8	90	0	7	1	3	4	28	23	16	82
MAINE—																			
Cornish, [Guptill]	2	0	2	8	12	13	8	45	0	90	0	0	0	0	0	1	2	2	5
Cornish, [West]	4	6	6	6	5	31	24	8	0	90	----	----	----	----	----	----	----	----	----
Gardiner	3	4	1	18	1	24	7	19	13	90	0	1	0	2	2	14	3	12	34
Monson	7	7	3	6	12	9	22	19	5	90	----	----	----	----	----	----	----	----	----
Perry	5	1	1	10	3	29	5	36	0	90	5	1	0	5	4	20	4	18	57
Portland	4	10	2	8	9	17	34	6	0	90	2	0	0	3	2	8	22	5	42
Steuben	1	12	0	7	0	35	7	25	3	90	5	5	0	0	1	19	10	9	49
NEW HAMPSHIRE—																			
Claremont	0	4	1	10	8	17	7	43	0	90	1	1	0	5	4	4	13	14	42
Concord	2	11	0	9	0	22	1	27	7	79	0	0	0	1	0	5	3	3	12
Francestown, [Bixby]	1	4	1	13	0	13	29	27	0	88	0	2	4	6	1	7	50	6	76
Manchester	0	0	0	13	2	11	33	19	0	78	0	0	0	14	0	8	32	1	55
North Barnstead	0	15	0	13	0	5	7	50	0	90	0	14	0	11	0	1	16	30	72
Shelburne	0	0	34	0	0	0	55	0	1	90	0	1	8	6	5	6	36	22	84
West Enfield	0	0	0	7	15	33	6	29	0	90	0	1	0	4	13	26	10	23	77
VERMONT—																			
Brandon	10	0	1	11	34	18	10	4	2	90	0	0	0	0	1	11	17	19	48
Craftsbury	1	4	2	2	33	28	9	11	0	90	0	0	0	0	9	16	26	18	69
Norwich	1	0	0	0	7	22	2	20	5	57	3	15	3	12	5	0	6	3	47
Rupert	----	----	----	----	----	----	----	----	----	----	15	50	11	8	4	0	0	0	88
St. Johnsbury	5	3	1	5	27	1	11	24	13	90	7	2	1	3	19	2	24	7	65
Shelburn	9	1	0	0	56	6	3	6	0	81	0	4	10	2	0	0	0	0	16
MASSACHUSETTS—																			
Amherst	5	2	4	23	0	18	4	28	0	84	1	0	0	3	0	9	9	7	29
Bridgewater	0	5	4	4	9	32	14	22	0	90	1	2	2	4	4	13	8	9	43
Cambridge	1	1	3	3	2	33	26	10	10	89	----	----	----	----	----	----	----	----	----
Canton	3	0	8	6	13	16	23	13	8	90	0	0	2	0	4	9	19	3	37
Florida	0	0	0	7	8	22	22	31	0	90	0	0	0	6	7	21	22	25	81
Lawrence	3	11	2	4	2	19	5	43	1	90	0	0	0	0	0	1	0	0	1
Mendon	1	5	0	3	9	39	6	27	0	90	1	3	0	3	9	36	7	13	72
Nantucket	3	4	3	12	7	24	11	24	2	90	----	----	----	----	----	----	----	----	----
New Bedford	1	2	2	11	1	21	15	36	1	90	1	0	1	2	1	7	12	9	33
Newburyport	5	3	3	3	16	8	23	11	0	72	----	----	----	----	----	----	----	----	----
Princeton	0	3	5	3	10	14	42	13	0	90	1	0	6	3	3	7	27	5	52
Richmond	0	6	0	10	0	38	0	36	0	90	1	2	0	7	0	32	3	23	68
Westfield	4	0	4	19	8	13	23	19	0	90	0	0	0	0	2	0	0	0	2
Weymouth	1	3	0	4	14	5	10	23	0	60	----	----	----	----	----	----	----	----	----
Williamstown	3	2	4	10	7	5	21	12	6	70	0	0	0	4	6	10	14	11	45
Worcester	7	4	3	7	5	20	36	3	0	85	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	1	5	2	2	8	26	5	36	0	85	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	0	4	0	4	2	22	1	33	24	90	0	2	0	5	1	20	0	17	45
New London	0	6	4	7	6	15	23	29	0	90	----	----	----	----	----	----	----	----	----
Norwich	0	12	1	14	1	37	1	13	11	90	----	----	----	----	----	----	----	----	----
Pomfret	1	5	1	9	5	25	2	33	0	81	0	4	1	4	4	18	0	12	43
Saybrook	6	2	5	8	5	17	20	15	8	86	0	0	1	2	1	10	18	7	39
Wallingford	10	2	2	9	8	21	11	27	0	90	0	1	0	3	4	12	22	9	51
NEW YORK—																			
Baldwinsville	0	0	5	7	3	12	48	10	0	85	0	0	0	0	1	0	58	10	69
Beverly	6	2	0	8	13	34	1	10	3	77	1	0	1	10	3	23	6	2	46
Blackwell's Island	3	5	5	5	16	24	21	8	0	90	----	----	----	----	----	----	----	----	----

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Canton	0	11	0	3	7	46	8	4	3	82	0	8	1	1	6	38	9	2	65
Cazenovia	0	0	0	2	17	27	25	16	2	89	2	0	0	1	7	22	31	14	77
Clinton	3	4	5	2	10	43	13	10	0	90	2	1	0	0	7	26	19	8	63
Eden	7	1	1	3	48	19	6	2	0	87	0	0	0	0	2	15	15	2	34
Fishkill Landing	0	10	1	22	2	30	10	12	0	87	0	0	0	1	2	1	23	0	27
Flatbush	5	3	5	7	13	9	24	24	0	90	0	0	1	2	2	7	14	12	38
Fort Edward	4	3	1	0	10	44	16	4	2	84	0	1	0	1	2	7	21	2	34
Madrid	0	13	0	0	0	27	36	0	9	85	0	4	0	0	0	32	24	1	61
Morrisania	1	7	2	13	11	23	28	5	0	90									
New York city	0	4	3	12	2	15	30	24	0	90	0	0	4	2	0	5	46	4	61
Nichols	18	0	3	13	42	7	1	6	0	90	19	1	0	1	28	10	1	11	71
Oswego	0	3	5	18	15	10	38	1	0	90									
Ovid	1	0	0	11	31	12	29	6	0	90	0	0	0	0	9	27	35	4	75
Penn Yan	1	2	0	0	38	21	28	0	0	90									
Pompey	0	0	0	6	25	34	17	8	0	90	0	2	2	0	0	0	0	0	4
Rochester, [Harkness]	2	0	2	6	16	5	37	1	21	90									
Rochester, [Palmer]	4	0	1	5	10	31	34	5	0	90	2	0	0	0	7	26	35	11	81
Sag Harbor	2	1	6	8	16	27	16	14	0	90	0	0	1	0	3	17	11	5	37
Saratoga	0	5	0	6	4	48	3	18	0	84	0	4	1	7	4	46	4	18	84
Spencertown	29	0	0	7	23	12	1	10	0	82	1	0	0	0	0	0	0	4	5
Townsendville	0	1	0	23	9	22	21	6	5	87	0	1	0	0	9	13	36	4	63
Wampsville	0	1	4	5	20	5	54	1	0	90	0	1	4	5	17	4	49	0	80
Waterford	9	2	1	4	39	14	12	3	5	89	0	0	0	0	2	7	9	4	22
Wellsville	0	0	35	5	6	1	43	0	0	90	0	0	1	0	2	4	2	1	10
NEW JERSEY—																			
Bloomfield	0	6	0	2	17	31	13	21	0	90									
Burlington	5	1	4	5	10	23	27	11	2	88	2	0	0	2	5	8	17	8	42
Lumbertville	0	2	2	11	7	19	8	28	0	77									
Newark	2	4	0	7	6	18	9	14	0	60									
Sergeantsville	14	4	4	3	12	13	29	11	0	90	6	3	7	1	9	11	8	4	49
PENNSYLVANIA—																			
Bedford	0	0	0	3	0	35	4	24	0	66	0	0	0	0	0	27	4	14	45
Cannonsburg	0	1	18	2	1	11	36	19	2	90	0	0	1	0	0	0	2	0	3
Chromedale	5	0	4	14	8	5	4	24	26	90	0	0	0	0	2	11	25	2	40
Easton	6	2	5	14	7	4	19	19	12	88	1	0	0	4	6	7	22	2	42
Fleming	2	3	8	2	1	14	23	30	7	90	1	0	1	0	1	7	23	20	53
Gettysburg	0	4	0	0	18	30	10	18	9	89	0	0	0	0	2	21	32	4	59
Harrisburg, [Heisely]	0	1	2	13	8	3	12	50	0	89	0	1	0	6	2	3	8	14	34
Harrisburg, [Hickok]	7	7	16	6	13	13	23	5	0	90	0	0	1	0	4	3	1	0	9
Lewisburg	0	0	0	0	1	1	1	0	0	3	0	0	0	0	2	12	10	5	29
Meadville	0	0	0	5	20	16	5	7	24	77	2	0	0	0	4	22	8	5	41
Morrisville	1	4	2	8	6	25	14	24	6	90	2	3	1	4	2	19	13	9	53
Mount Joy	2	2	0	19	5	0	0	12	48	88	0	0	0	3	2	0	0	3	8
Murrysville	2	5	8	2	2	32	13	5	21	90	1	0	0	0	1	30	15	1	48
Nazareth	1	1	0	0	8	11	35	9	21	86	1	0	0	0	4	5	17	0	27
Norristown	0	0	2	8	6	13	42	4	0	75	0	0	3	2	4	11	29	0	49
North Whitehall	3	0	2	0	5	7	18	7	48	90	2	0	2	0	8	6	28	3	49
Philadelphia	1	1	3	14	5	29	11	26	0	90	0	0	0	1	1	7	9	0	18
Pittsburg, [Martin]	2	0	6	6	3	11	41	2	19	90	4	14	13	5	0	1	3	0	40
Pocopson	5	2	0	2	9	31	24	12	0	85	1	0	0	0	2	22	13	1	39
Shamokin	0	0	1	3	23	17	45	1	0	90	0	0	0	0	0	5	65	0	70
Tarentum	2	0	1	3	9	25	6	11	27	87	0	0	0	0	2	26	22	7	57
West Haverford	1	0	1	5	5	13	14	17	4	60	1	0	0	0	0	11	20	11	43
Westtown	3	2	3	13	7	13	9	31	1	85	0	0	0	0	3	7	9	14	33
DELAWARE—																			
Newark	1	2	2	3	11	14	15	29	0	77	0	0	0	1	5	6	2	6	20
MARYLAND—																			
Annapolis	12	3	2	6	28	22	5	7	5	90	0	0	0	0	2	19	2	0	23
Baltimore	2	3	1	4	3	5	7	4	0	29	0	0	0	0	0	1	3	0	4
Frederick	1	3	1	2	7	6	22	16	29	87	2	0	0	0	3	4	29	1	39
Sykesville	0	4	4	18	6	19	31	8	0	90	0	0	8	1	1	10	48	1	69

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
DISTRICT OF COLUMBIA—																			
Washington, [Smith. Inst.]	0	3	1	3	2	22	0	23	3	57	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Alexandria	8	4	2	3	46	5	6	16	0	90	----	----	----	----	----	----	----	----	----
Ashland	3	0	0	7	4	19	1	5	51	90	0	0	0	0	0	27	8	1	36
Berryville	4	3	3	6	13	9	37	12	1	88	3	0	0	0	2	8	32	3	48
Crichton's Store	14	2	3	0	19	24	9	7	3	81	0	0	0	0	0	9	3	0	12
Lewisburg	0	0	0	0	0	2	2	0	0	4	0	0	0	0	4	5	29	2	40
Montross	3	1	2	0	7	15	9	7	46	90	----	----	----	----	----	----	----	----	----
Mossy Creek	0	3	0	18	8	46	5	10	0	90	0	0	0	3	5	36	6	9	59
Portsmouth	12	12	1	4	6	25	10	20	0	90	----	----	----	----	----	----	----	----	----
Rose Hill	2	10	1	6	9	15	7	3	6	59	----	----	----	----	----	----	----	----	----
Rougemont	2	0	5	4	9	17	34	9	3	83	0	0	1	1	11	8	21	0	42
Salem	2	10	8	8	2	10	27	23	0	90	0	0	6	1	0	9	40	1	57
Sistersville	23	12	1	1	8	0	0	0	30	75	----	----	----	----	----	----	----	----	----
Smithfield	15	5	2	6	21	12	14	6	0	81	4	0	0	0	4	7	24	4	43
Winchester	0	0	0	2	5	3	19	11	50	90	0	0	0	2	5	0	9	0	16
Wirt Court-House	2	0	0	10	2	43	2	9	22	90	0	0	0	0	0	62	1	7	70
NORTH CAROLINA—																			
Chapel Hill	8	9	4	5	13	15	22	14	0	90	2	0	0	0	8	30	5	0	45
Davidson College	5	8	1	1	8	15	5	2	9	54	0	0	0	1	4	14	12	1	32
Murfreesborough	2	15	2	16	1	11	15	6	21	89	0	1	0	0	1	7	10	2	21
Warrenton	3	17	0	9	2	18	6	35	0	90	1	49	1	1	1	2	0	3	58
SOUTH CAROLINA —																			
All Saints	16	12	4	2	25	11	10	9	0	89	1	1	3	2	5	13	14	1	40
Camden	4	19	0	3	2	24	10	21	7	90	0	1	2	1	4	19	17	8	52
Charleston, [Dawson]	0	19	6	7	1	16	0	10	0	59	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	5	5	2	0	3	4	1	10	0	30	----	----	----	----	----	----	----	----	----
GEORGIA—																			
Augusta	0	11	2	0	0	10	0	25	0	54	----	----	----	----	----	----	----	----	----
Hillsborough	1	20	5	11	4	14	15	20	0	90	1	5	10	0	0	0	0	1	17
Savannah	10	13	3	11	16	14	5	17	0	89	0	0	0	0	0	0	2	0	2
Sparta	3	23	3	11	8	13	8	21	0	90	0	1	1	5	8	14	11	4	44
The Rock	7	5	12	12	5	10	11	28	0	90	0	0	0	0	0	1	0	0	1
Whitemarsh Island	6	21	3	10	7	10	7	13	13	90	0	2	3	4	4	9	6	9	37
Zebulon	2	8	23	11	2	6	24	14	0	90	7	0	6	0	8	5	0	4	30
FLORIDA—																			
Alligator	2	17	13	11	9	9	1	17	11	90	0	2	6	4	8	13	4	2	39
Atsena	13	18	10	7	11	8	15	2	6	90	3	8	3	7	3	2	2	0	28
Belair	8	10	9	9	5	6	9	14	14	84	0	0	4	5	0	17	17	6	49
Gainesville	9	18	28	6	5	4	13	6	0	89	----	----	----	----	----	----	----	----	----
St. Augustine	11	35	5	12	0	7	1	19	0	90	7	32	5	9	0	5	0	12	70
Salt Ponds	14	8	21	7	2	0	1	4	3	60	----	----	----	----	----	----	----	----	----
Warrington	7	19	11	12	5	9	12	15	0	90	0	1	0	0	0	1	3	3	8
ALABAMA—																			
Auburn	5	0	10	15	24	3	19	11	0	87	0	0	3	12	14	6	6	3	44
Carlowville	15	15	4	2	2	6	25	20	0	89	0	0	2	7	3	7	9	0	28
Greene Springs	4	13	10	15	2	13	9	8	12	86	0	0	0	0	3	17	15	7	42
Greensborough	19	3	5	19	14	8	1	20	0	89	1	0	0	2	7	7	32	4	53
MISSISSIPPI—																			
Columbus	6	11	18	10	18	4	7	16	0	90	0	0	0	0	11	6	27	6	50
LOUISIANA—																			
Black River	32	6	2	7	25	4	0	14	0	90	2	1	0	2	6	21	7	7	46
TEXAS—																			
Austin	27	4	2	4	28	2	15	5	3	90	8	1	0	2	9	10	0	1	31
New Braunfels	28	1	21	2	12	1	2	0	12	82	----	----	----	----	----	----	----	----	----
Washington	33	0	0	0	20	0	0	5	28	86	6	11	0	2	0	0	0	2	21
TENNESSEE—																			
Glenwood	5	9	3	21	10	11	11	10	10	90	0	1	0	2	7	8	41	7	66
KENTUCKY—																			
Danville	0	8	4	9	8	35	11	14	0	89	0	0	0	1	0	35	18	2	56
Paris	3	8	5	15	11	26	11	11	0	90	1	0	1	0	10	1	36	0	49
Springdale	1	7	7	1	7	28	13	6	20	90	----	----	----	----	----	----	----	----	----

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Belle Centre	3	3	2	18	4	20	31	7	1	89	0	2	0	0	4	16	28	5	55
Cincinnati, [Harper]	3	0	2	0	11	24	32	18	0	90									
Cincinnati, [Hurtt]	7	4	2	11	5	8	28	16	9	90	0	2	1	4	4	4	37	4	56
Cleveland	3	0	0	12	30	26	16	3	0	90	3	0	0	0	3	15	22	1	44
Edinburg	2	42	6	12	0	1	0	5	18	86	1	0	0	3	1	25	29	8	67
Hillsborough	1	14	0	20	7	30	2	16	0	90	0	0	0	1	2	14	0	3	20
Hiram	5	0	0	5	38	26	7	4	3	88	1	0	0	1	5	6	10	2	25
Jackson	4	1	1	0	9	8	19	10	38	90	1	1	0	0	6	14	40	8	70
Jefferson	0	0	0	0	0	42	0	48	0	90	0	0	0	0	42	0	48	0	90
Lancaster	0	0	6	2	5	15	3	8	30	69	1	0	1	1	4	8	4	4	23
Madison, [Atkins]	2	1	0	10	26	15	17	0	19	90	0	0	3	0	6	2	8	0	19
Madison, [Cunningham]	0	1	2	13	7	29	16	1	9	78	1	0	0	3	3	34	21	4	66
Medina	1	0	4	6	12	38	10	19	0	90	0	0	1	5	5	34	25	20	90
Oberlin	1	1	0	4	18	27	15	7	14	87	0	1	0	0	2	10	14	2	29
Ripley	5	0	2	17	2	10	2	13	16	67	0	0	0	0	0	0	1	7	8
Savannah	0	0	0	28	2	17	13	30	0	90	0	0	0	15	1	19	15	20	70
Sidney	2	10	6	9	5	29	18	10	0	89	1	1	0	0	1	50	18	3	74
Urbana	0	0	2	11	9	20	8	10	29	89	0	0	0	1	5	19	33	2	60
Welchfield	1	2	1	23	9	44	7	3	0	90	0	0	0	0	1	8	3	0	12
MICHIGAN—																			
Battle Creek	2	1	4	6	13	29	22	4	9	90	0	0	0	0	0	17	52	7	76
Cooper	0	0	0	0	4	0	58	1	27	90	0	0	0	0	0	0	24	26	50
Grand Rapids, [Currier]	0	7	2	8	4	45	7	8	7	88	0	1	0	3	4	14	6	0	28
Grand Rapids, [Streng]	1	2	1	11	10	38	20	7	0	90	1	0	4	1	4	16	47	13	86
Marquette	0	2	1	7	5	35	11	28	0	89									
Monroe	13	0	0	6	0	16	1	53	1	90	13	0	0	6	0	12	1	44	76
New Buffalo											0	1	4	2	3	8	44	14	76
Port Huron	0	2	1	6	10	48	17	6	0	90	0	1	1	1	6	26	20	4	59
INDIANA—																			
Evansville	6	10	7	18	13	10	8	18	0	90	5	10	0	1	6	18	11	5	56
Logansport	3	4	4	7	3	14	34	21	0	90									
Michigan City	9	4	1	11	26	13	16	6	3	89	5	2	1	1	13	11	17	5	55
New Albany	13	4	1	3	18	10	8	6	0	63	3	2	0	2	17	6	11	7	48
New Harmony	3	1	1	13	12	11	13	15	0	69									
Richmond	0	1	3	5	7	26	13	6	27	88									
ILLINOIS—																			
Athens	0	8	1	29	1	25	5	21	0	90	0	0	0	1	0	16	7	10	34
Augusta	0	5	3	13	7	20	27	14	1	90	0	2	2	5	4	8	16	8	45
Aurora	0	3	9	7	15	14	31	11	0	90	0	0	3	1	2	17	32	19	74
Batavia	0	8	0	1	1	58	1	21	0	90	0	6	0	1	1	50	2	12	72
Brighton	0	3	3	8	9	24	10	33	0	90	0	3	0	1	3	15	3	9	34
Chicago	0	6	0	3	12	60	3	9	0	93									
Edgington	0	10	2	4	16	20	13	25	0	90	0	6	2	3	7	28	12	22	80
Fremont Centre	0	5	0	3	13	47	17	5	0	90									
Manchester	3	4	4	1	20	18	34	6	0	90	1	4	4	0	15	18	19	7	68
Marengo	0	1	2	14	8	46	19	0	0	90									
Ottawa	0	5	1	11	5	23	18	16	1	80	0	0	0	0	1	6	5	5	17
Peoria	3	1	7	2	17	8	48	4	0	90	0	0	0	0	0	0	3	0	3
Pekin	6	7	2	1	20	20	8	23	3	90	1	2	0	1	9	7	6	19	45
Riley	2	3	3	4	9	11	15	24	11	82									
West Salem	2	4	3	10	18	13	14	11	15	90	0	0	0	0	3	14	23	0	40
West Urbana	4	2	2	13	5	29	17	18	0	90	0	0	0	0	1	0	0	0	1
Winnebago	2	6	3	10	5	29	17	18	0	90	0	0	0	0	1	2	12	8	23
MISSOURI—																			
Cape Girardeau	10	14	2	15	14	23	18	23	1	120	4	0	0	2	13	25	33	18	95
St Joseph	0	14	0	21	0	27	0	34	21	117									
St. Louis	2	4	11	16	6	20	25	6	0	90									
Springfield	7	4	0	8	15	6	16	12	2	71									
WISCONSIN—																			
Appleton	4	7	0	3	0	58	3	15	0	90	5	8	0	6	0	40	1	13	73
Bay City	2	17	0	0	4	41	14	11	0	89	1	0	0	0	1	31	13	1	47
Beloit	10	1	2	1	27	26	11	11	0	89	0	0	0	0	6	4	3	0	13

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Janesville	1	5	1	11	10	26	26	7	3	90									
Kenosha	5	0	4	0	11	23	18	7	19	87									
Lind	1	2	5	6	13	20	28	9	0	84	2	2	2	2	12	3	28	3	54
Madison, [Sterling]	5	1	0	2	13	45	4	17	2	89	2	0	0	0	1	0	0	0	3
Manitowoc	4	3	0	2	11	24	22	24	0	90	0	0	0	0	4	4	9	1	18
Menasha	5	3	5	4	6	17	29	6	15	90	3	3	2	4	1	21	21	4	59
Milwaukee, [Pomeroy]	2	3	4	9	7	21	15	29	0	90									
Milwaukee, [Winkler]	1	4	1	12	1	14	35	22	0	90									
New London	4	0	1	1	4	21	36	17	0	87	4	0	0	0	6	10	32	13	65
Platteville	0	3	1	19	3	23	19	22	0	90	0	3	0	14	2	22	15	13	69
Waukesha	10	0	1	5	33	7	9	8	17	90	0	0	1	0	1	2	6	3	13
IOWA—																			
Bellevue	1	3	1	16	5	19	18	27	0	90	0	0	0	2	2	2	7	9	22
Border Plains	11	2	1	8	28	4	8	26	2	90	0	0	0	0	0	8	2	4	14
Dubuque	10	2	0	2	19	9	11	33	4	90	3	2	0	2	4	8	14	21	54
Fairfield	1	5	0	10	3	22	9	24	16	90	3	2	14	5	1	0	0	1	26
Fort Madison	0	7	0	12	1	36	5	28	1	90	0	1	1	4	0	16	27	9	58
Franklin	4	3	0	5	17	8	27	17	9	90									
Iowa City	1	2	3	19	2	16	20	16	8	87	0	0	0	0	0	3	1	0	4
Muscatine	2	10	1	12	8	24	7	26	0	90	0	0	0	2	0	4	2	4	12
Pleasant Plain	0	11	1	10	10	21	12	25	0	90	0	0	0	0	3	6	8	8	25
Sioux City	5	3	0	7	14	7	0	51	0	87	1	3	0	0	7	0	0	27	38
Rossville	2	3	1	9	7	13	16	34	5	90	1	6	4	7	0	0	0	1	19
MINNESOTA—																			
Burlington	10	0	0	0	4	3	7	6	0	30									
Hazlewood	6	1	2	5	19	1	10	46	9	90	11	1	1	2	4	0	5	7	31
Princeton	7	3	7	8	7	13	25	12	8	90	7	3	2	6	7	5	24	10	64
NEBRASKA—																			
Bellevue	27	10	2	1	27	7	12	3	1	90	17	6	1	0	9	0	9	4	46
Omaha	5	3	0	12	11	12	10	28	9	90	5	2	0	6	7	7	12	19	58
KANSAS—																			
Lawrence	13	3	4	13	9	10	21	17	0	90	0	0	0	0	2	1	1	0	4
Leavenworth City	11	13	1	2	11	13	8	16	1	76	4	4	0	1	2	11	5	11	38
DACOTAH—																			
Fort Union	0	0	1	2	2	10	36	39	0	90	0	0	0	1	1	3	24	19	48
CALIFORNIA—																			
Sacramento	15	6	11	21	6	7	2	22	0	90	0	0	0	11	1	16	5	5	38
San Francisco	19	3	0	0	17	0	4	4	43	90	5	0	1	1	3	15	11	10	46
WEST INDIES—																			
St. George's, Bermuda	2	9	1	8	0	8	0	2	0	30									
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	5	43	13	17	8	1	0	3	0	90	2	8	18	26	3	2	0	2	61

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	5	22	1	0	6	17	21	18	3	93	5	20	1	0	7	18	14	12	77
Red River Settlement	16	4	2	0	36	6	8	5	10	87	5	2	0	1	8	4	0	3	23
Rigolet	4	3	2	0	0	4	11	22	16	62	----	----	----	----	----	----	----	----	----
St. John's	17	0	0	0	16	3	9	48	0	93	----	----	----	----	----	----	----	----	----
St. Martin	0	26	1	11	0	25	10	20	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	6	4	14	17	21	5	11	6	9	93	----	----	----	----	----	----	----	----	----
Toronto	4	15	3	4	1	27	2	24	13	93	----	----	----	----	----	----	----	----	----
Windsor	7	8	4	5	3	20	23	14	8	92	0	0	0	0	0	0	2	0	2
Wolfville	4	1	4	5	2	18	28	21	9	92	1	2	2	2	2	23	28	18	78
MAINE—																			
Cornish, [Guptill]	1	2	3	7	10	15	17	38	0	93	----	----	----	----	----	----	----	----	----
Cornish, [West]	5	15	10	2	7	26	19	9	0	93	0	0	0	0	0	1	4	3	8
Gardiner	1	13	1	7	1	14	4	30	20	91	3	0	0	0	0	13	3	17	36
Monson	4	11	8	6	8	7	14	26	9	93	----	----	----	----	----	----	----	----	----
Perry	14	4	3	8	1	14	7	42	0	93	11	4	1	5	1	8	9	24	63
Portland	20	16	3	5	4	11	24	10	0	93	0	0	1	1	4	2	21	4	33
Steuben	7	23	1	6	1	16	9	26	4	93	1	1	0	1	0	17	19	10	49
NEW HAMPSHIRE—																			
Claremont	2	4	2	6	4	7	4	64	0	93	1	1	0	1	0	1	5	11	20
Concord	0	16	0	8	0	9	1	38	0	72	1	0	0	0	0	0	1	5	7
Francestown, [Bixby]	3	7	1	10	0	7	13	24	0	65	2	6	3	7	0	2	25	7	52
Manchester	3	4	0	11	5	5	14	29	0	71	0	3	1	15	0	3	14	8	44
North Barnstead	7	30	0	15	0	1	14	26	0	93	3	14	0	13	0	1	15	14	60
Shelburne	0	0	26	0	0	0	64	0	3	93	0	0	3	3	0	1	33	23	63
West Enfield	0	0	1	10	22	11	11	36	2	93	1	0	1	10	17	6	8	25	68
VERMONT—																			
Brandon	17	0	2	5	32	10	8	11	8	93	0	0	0	0	2	8	6	24	40
Burlington	8	3	0	6	26	17	7	26	0	93	----	----	----	----	----	----	----	----	----
Craftsbury	8	7	0	6	28	13	11	19	1	93	6	0	0	1	11	6	20	24	68
Rupert	----	----	----	----	----	----	----	----	----	----	10	45	15	0	0	3	0	5	78
St. Johnsbury	17	2	3	3	22	1	9	32	4	93	0	0	0	0	1	4	19	4	28
Shelburn	21	0	0	0	51	2	1	12	0	87	0	0	9	6	0	0	0	0	15
MASSACHUSETTS—																			
Amherst	0	0	3	17	5	9	6	48	0	88	1	0	1	1	2	1	6	16	28
Bridgewater	9	6	9	1	2	23	32	11	0	93	0	1	3	2	0	7	8	2	23
Cambridge	6	7	5	3	4	27	15	17	9	93	----	----	----	----	----	----	----	----	----
Canton	10	2	6	5	6	8	26	15	15	93	0	0	1	2	1	1	13	0	18
Florida	0	5	0	13	8	8	18	41	0	93	0	3	0	17	9	9	16	26	80
Lawrence	2	21	2	7	0	14	1	46	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	17	3	4	2	39	2	26	0	93	0	15	3	4	2	33	2	15	74
Nantucket	2	10	7	5	3	22	10	31	3	93	----	----	----	----	----	----	----	----	----
New Bedford	7	11	2	7	3	15	11	35	2	93	1	0	1	0	0	1	6	5	14
Newburyport	4	0	4	3	8	5	20	17	0	61	----	----	----	----	----	----	----	----	----
Princeton	1	9	16	1	0	11	41	14	0	93	0	5	9	1	0	7	20	10	52
Richmond	0	9	0	25	0	17	0	42	0	93	2	10	0	23	0	17	0	20	72
Westfield	16	3	4	11	1	10	20	28	0	93	0	0	0	1	0	2	0	1	4
Weymouth	2	3	3	9	7	5	2	31	0	62	----	----	----	----	----	----	----	----	----
Williamstown	0	3	5	5	7	11	25	23	0	79	0	0	0	1	0	1	0	0	2
Worcester	1	5	19	4	2	13	28	16	0	88	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	1	13	3	2	3	6	6	38	21	93	0	3	0	1	2	5	4	21	36
New London	2	15	2	7	0	27	13	27	0	93	----	----	----	----	----	----	----	----	----
Norwich	0	30	1	2	2	39	4	4	11	93	----	----	----	----	----	----	----	----	----
Pomfret	6	14	3	6	4	16	7	35	0	91	3	14	3	4	4	9	5	15	57
Saybrook	5	12	6	9	3	6	18	22	12	93	0	0	3	1	3	3	15	14	39
Wallingford	27	4	4	5	7	10	16	20	0	93	0	2	1	4	0	6	20	10	43
NEW YORK—																			
Baldwinsville	0	3	16	5	1	9	28	28	0	90	0	1	0	1	3	0	43	21	69
Bellport	11	9	10	10	1	11	13	28	0	93	----	----	----	----	----	----	----	----	----
Beverly	10	10	0	9	12	28	1	13	1	84	0	7	2	8	4	19	11	8	59
Canton	4	18	0	0	0	51	2	10	7	92	2	13	0	0	0	34	3	7	59
Cazenovia	2	0	1	15	12	14	18	30	1	93	2	0	1	4	8	15	23	20	73

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Clinton	5	9	3	10	3	25	14	24	0	93	3	3	0	4	4	7	24	17	62
Eden	2	3	3	6	29	21	16	4	0	84	4	1	1	0	6	10	24	4	50
Fishkill Landing	5	28	1	7	3	25	4	20	0	93	0	0	0	0	1	0	6	0	7
Flatbush	12	11	9	4	2	8	27	20	0	93	1	1	2	2	3	5	9	10	33
Fort Edward	18	12	1	0	8	19	20	13	2	93	1	0	0	0	0	3	9	10	23
Morrisania	9	9	10	2	4	22	30	7	0	93									
New York city	2	18	4	8	1	8	36	16	0	93	0	0	7	9	0	9	33	4	62
Nichols	9	0	4	11	34	5	14	16	0	93									
Oswego	4	6	5	18	19	6	27	6	1	92									
Ovid	8	5	2	5	21	17	25	10	0	93	0	0	3	1	2	21	31	13	71
Penn Yan	1	3	0	0	26	28	26	6	0	90									
Pompey	1	0	9	2	17	22	30	12	0	93	1	0	3	1	0	0	1	1	7
Rochester, [Harkness]	2	1	4	2	9	0	33	3	39	93									
Rochester, [Palmer]	8	4	2	5	18	13	28	15	0	93	3	4	2	3	13	9	25	15	74
Sag Harbor	7	9	9	5	8	7	10	14	1	70	0	0	1	0	0	6	9	3	19
Saratoga	0	25	0	2	1	49	1	15	0	93	0	22	0	4	1	48	1	17	93
Spencertown	14	0	2	0	23	0	0	2	0	41									
Townsendville	7	0	0	28	4	8	22	14	10	93	0	0	0	3	1	5	24	10	43
Wampsville	0	0	16	4	9	4	59	1	0	93	0	0	14	3	6	5	48	1	77
Waterford	17	5	0	1	21	13	20	14	2	93	1	0	0	0	1	0	11	1	14
Wellsville	0	0	43	3	0	0	46	1	0	93	0	0	0	0	0	1	1	1	3
NEW JERSEY—																			
Bloomfield	0	7	2	1	6	23	14	16	0	69									
Burlington	9	11	14	1	1	10	20	21	0	87	0	1	1	1	2	9	8	10	32
Lambertville	2	17	1	4	1	12	10	29	0	76									
Newark	7	10	0	1	0	15	8	21	0	62									
Sergeantsville	1	0	13	1	0	2	22	6	0	45	0	0	15	0	0	2	9	1	27
PENNSYLVANIA—																			
Bedford	0	0	0	4	0	41	3	30	0	78	0	0	0	4	0	33	2	20	59
Berwick	5	3	27	3	1	7	43	4	0	93									
Cannonsburg	0	0	30	1	0	6	52	3	1	93									
Chromedale	1	15	6	3	3	4	14	20	27	93	0	1	1	0	0	6	20	8	36
Easton	4	8	8	7	4	3	31	13	11	89	1	1	1	1	1	3	15	17	40
Fleming	2	7	7	6	1	8	22	35	5	93	0	1	0	1	5	2	28	26	63
Gettysburg	7	9	5	1	16	22	19	8	6	93	1	0	1	0	2	10	28	14	56
Harrisburg, [Heisely]	8	4	3	24	5	0	10	39	0	93	3	1	0	1	2	0	5	10	22
Harrisburg, [Hickok]	14	10	18	7	7	8	25	4	0	93	0	0	4	0	2	6	10	0	23
Lewisburg	1	2	2	10	3	11	13	22	26	90	1	0	0	0	3	3	10	11	28
Meadville	2	1	0	3	23	10	12	12	27	90	0	0	0	2	3	10	25	5	45
Morrisville	0	14	12	2	2	23	22	16	1	92	1	9	7	0	1	18	11	13	60
Mount Joy	0	1	0	29	1	3	5	2	49	90	0	0	0	0	0	0	1	3	4
Murrysville	0	9	12	5	1	39	10	4	13	93	0	1	0	2	0	17	8	12	40
Nazareth	11	10	1	0	1	4	32	1	30	90	1	0	0	0	0	4	11	2	18
Norristown	0	2	18	6	2	7	41	5	0	81	0	0	9	0	2	6	41	2	60
North Whitehall	4	3	7	0	5	2	17	7	48	93	0	0	0	1	1	1	21	7	31
Philadelphia	3	22	5	2	0	24	16	21	0	93	1	1	2	0	0	4	11	3	22
Pittsburg, [Martin]	6	8	13	4	5	12	24	4	17	93	5	11	28	1	1	1	6	0	53
Pocopson	8	15	5	3	2	13	31	12	0	89	2	0	0	0	0	3	12	5	22
Shamokin	0	0	2	6	27	17	37	4	0	93	0	0	0	0	0	1	64	5	70
Tarentum	4	1	0	2	7	19	5	5	50	93	0	0	0	3	3	8	40	10	64
West Haverford	2	2	7	3	4	8	17	14	5	62	0	0	1	0	1	7	18	11	38
Westtown	7	10	6	14	1	9	7	37	1	92	2	3	1	0	0	3	7	14	30
DELAWARE—																			
Milford	6	13	2	4	4	19	11	14	0	73	2	0	3	0	3	5	17	3	33
Newark	7	14	7	1	0	7	11	30	0	77	0	0	0	0	0	0	3	6	9
MARYLAND—																			
Annapolis	8	20	2	6	5	17	8	14	13	93	0	0	0	0	0	15	1	0	16
Baltimore	16	11	7	9	8	10	14	18	0	93									
Frederick	7	14	1	2	8	13	15	10	23	93	1	0	0	0	1	2	21	5	30
Sykesville	2	15	6	8	6	20	26	10	0	93	0	1	13	4	1	8	45	0	72

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—																			
Alexandria	14	19	0	2	25	4	8	21	0	93									
Ashland	0	0	0	7	1	19	1	5	60	93	0	0	0	0	0	12	22	0	34
Berryville	5	7	10	6	11	6	24	21	2	92	2	0	0	0	2	6	24	6	40
Crichton's Store	31	1	0	1	30	12	7	1	1	84	0	0	0	0	1	4	4	0	9
Lewisburg	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	10	23	3	38
Montross	2	2	10	5	4	6	9	6	49	93	0	2	13	2	1	0	1	0	19
Mossy Creek	0	15	1	4	3	33	7	29	1	93	0	3	0	2	0	19	7	16	47
Poplar Grove	0	0	4	0	0	1	15	6	67	93	0	1	0	0	2	19	22	6	50
Portsmouth	9	25	3	5	4	23	6	18	0	93									
Rose Hill	3	12	4	5	4	11	7	5	8	59	0	0	0	0	0	0	1	1	2
Rougemont	10	5	7	1	3	17	40	6	4	93	2	0	0	0	2	11	26	0	41
Salem	1	16	9	6	0	8	34	19	0	93	0	1	9	0	0	15	32	0	57
Sistersville	12	12	1	0	15	0	0	0	47	87	0	0	0	0	0	0	1	1	2
Smithfield	10	12	1	4	13	12	13	8	0	73	3	0	1	2	1	4	23	9	43
Winchester	0	0	0	0	0	4	22	3	64	93	0	0	0	0	0	0	1	0	1
Wirt Court-House	1	3	0	11	2	17	3	34	22	93	0	0	0	4	0	33	4	28	69
NORTH CAROLINA—																			
Chapel Hill	5	14	1	1	8	14	26	8	0	77	1	0	3	0	4	21	12	1	42
Davidson College	1	16	0	5	9	11	5	28	13	88	1	9	0	1	7	21	8	3	50
Murfreesborough	0	12	3	8	0	19	19	6	19	86	2	5	2	2	0	5	28	3	47
SOUTH CAROLINA—																			
All Saints	6	19	3	4	13	33	8	7	0	93	0	7	4	0	7	30	14	2	64
Camden	8	20	1	9	2	13	10	18	12	93	1	2	0	4	0	16	24	7	54
Charleston, [Dawson]	0	24	2	6	2	15	7	6	0	62									
Charleston, [Johnson]	6	7	1	0	2	7	2	6	0	31									
GEORGIA—																			
Athens	5	18	4	2	0	9	6	17	28	89	0	0	0	0	0	2	2	1	5
Hillsborough	2	20	5	1	4	14	14	13	0	73	0	3	5	0	0	1	0	0	9
Savannah	7	28	4	5	12	8	14	15	0	93	1	0	0	0	1	3	3	0	8
Sparta	5	23	10	6	9	12	10	17	0	92	0	2	1	2	4	16	17	9	51
The Rock	8	6	13	4	18	8	13	23	0	93									
Whitemarsh Island	3	27	2	3	10	10	4	15	19	93	0	2	0	2	1	16	14	10	45
Zebulon	0	11	25	14	3	8	27	5	0	93	1	0	1	0	0	12	3	3	20
FLORIDA—																			
Alligator	1	31	2	4	3	11	7	19	15	93	3	7	2	0	9	16	6	2	45
Atsena	15	25	11	14	3	2	8	10	5	93	6	15	6	7	0	1	7	8	50
Belair	9	18	5	7	0	3	2	6	11	61	0	3	3	9	5	10	11	8	49
Jacksonville	4	34	1	2	3	21	2	23	3	93	0	18	0	4	1	24	10	7	64
St. Augustine	5	41	1	3	0	10	1	32	0	93	5	41	0	2	0	10	1	25	84
Salt Ponds	14	17	12	6	2	9	4	6	1	62									
Warrington	5	35	2	11	1	9	3	26	1	93	0	1	0	0	0	0	0	0	1
ALABAMA—																			
Auburn	8	6	11	21	20	2	16	9	0	93	0	0	3	15	8	14	6	6	52
Carlowville	20	7	4	6	11	7	22	14	0	91	0	0	0	2	3	1	6	0	12
Greene Springs	2	3	2	11	3	8	3	4	12	48	0	0	0	0	0	6	11	1	18
Greensborough	22	8	2	24	5	5	5	22	0	93	0	0	3	3	5	8	32	8	59
MISSISSIPPI—																			
Columbus	3	21	10	13	10	7	14	15	0	93	0	3	2	0	8	17	15	6	51
LOUISIANA—																			
Black River	37	4	2	11	18	10	2	9	0	93	0	0	0	0	10	28	4	6	48
New Orleans	0	57	0	3	0	3	0	30	0	93									
TEXAS—																			
Austin, [Jennings]	25	2	15	0	18	3	19	7	4	93	2	3	1	1	9	13	4	2	35
Austin, [Palm]	12	4	9	3	17	12	27	9	0	93	4	1	0	1	7	4	9	2	28
Goliad	25	12	20	13	5	3	4	11	0	93	1	2	0	3	20	16	9	3	54
New Bruanfels	7	9	36	5	2	0	0	1	19	79									
Union Hill	15	4	15	8	26	1	4	6	14	93	16	1	5	8	20	1	7	2	60
Washington	22	1	0	1	21	0	2	0	37	84	2	2	1	0	2	0	1	0	8
TENNESSEE—																			
Glenwood	6	12	4	17	11	11	11	12	9	93	0	1	0	3	3	16	27	6	56

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—																			
Danville	5	0	6	8	15	26	24	9	0	93	0	0	1	2	1	33	22	4	63
Millersburg	0	0	16	3	1	0	11	10	48	89	0	1	10	1	0	3	13	0	28
Paris	2	2	0	15	5	54	11	3	0	92	0	0	2	0	13	4	28	0	47
Springdale	0	6	6	0	12	26	5	11	27	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Belle Centre	7	7	7	7	4	26	13	21	0	92	4	0	2	1	8	7	24	15	61
Bellefontaine	1	18	10	8	0	24	10	18	0	89	0	12	0	9	0	37	11	9	78
Cincinnati, [Harper]	3	0	0	4	0	36	31	19	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Hartt]	2	6	5	5	5	20	31	4	13	91	0	1	6	3	2	13	27	0	52
Cleveland	4	5	2	20	24	8	19	11	0	93	2	0	0	2	4	8	24	4	44
Edinburg	3	41	10	9	0	3	8	5	10	89	0	1	4	4	2	21	36	8	76
Hillsborough	1	16	2	18	5	33	6	12	0	93	0	1	0	0	1	9	2	1	14
Hiram	10	7	9	11	22	10	11	7	4	91	1	1	0	0	2	4	16	3	27
Jackson	5	0	2	2	7	3	21	4	49	93	3	1	2	4	7	3	47	4	71
Jefferson	4	1	0	6	1	67	4	10	0	93	3	1	0	5	2	54	3	11	79
Lancaster	0	1	7	12	2	16	4	2	24	68	0	0	1	7	0	18	3	4	33
Madison, [Atkins]	1	1	0	22	8	17	19	6	19	93	4	1	0	0	0	2	15	0	22
Madison, [Cunningham]	0	3	5	13	8	26	10	15	13	93	2	1	1	5	6	40	24	4	83
Medina	7	3	4	18	18	19	16	8	0	93	3	2	3	17	12	9	32	15	93
New Lisbon	2	1	1	10	7	45	11	16	0	93	0	0	2	5	0	14	38	13	72
Ripley	3	0	0	6	2	5	2	26	21	65	0	0	0	0	0	0	1	8	9
Savannah	0	1	1	30	1	15	17	28	0	93	0	1	0	22	0	17	15	26	81
Sidney	1	18	10	8	0	24	10	18	0	89	0	12	0	6	1	37	11	9	76
Urbana	0	3	4	14	6	11	11	3	28	80	0	3	3	1	3	8	30	5	53
Welchfield	2	7	0	21	9	38	8	8	0	93	1	0	0	0	0	5	4	1	11
MICHIGAN—																			
Battle Creek	6	3	4	11	12	14	20	6	17	93	2	1	0	0	1	19	46	6	75
Cooper	7	0	1	0	1	4	18	0	61	92	0	0	0	0	0	8	13	1	22
Grand Rapids, [Currier]	0	18	2	11	2	31	6	12	9	91	0	0	0	0	0	7	7	3	17
Grand Rapids, [Streng]	5	4	6	11	8	41	10	8	0	93	4	0	0	3	5	18	42	9	81
Marquette	4	6	0	6	6	22	16	33	0	93	----	----	----	----	----	----	----	----	----
Monroe	0	0	0	19	0	47	3	9	0	78	0	0	0	19	0	40	3	7	69
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	0	1	5	3	25	21	18	73
Port Huron	1	6	0	7	13	30	7	22	7	93	0	3	0	3	3	20	15	13	57
INDIANA—																			
Evansville	12	10	8	16	18	8	8	10	0	90	3	0	1	1	2	17	15	0	39
Logansport	0	4	9	22	2	15	27	14	0	93	----	----	----	----	----	----	----	----	----
Michigan City	11	3	2	13	42	3	9	8	2	93	5	1	0	4	10	6	13	9	48
New Harmony	8	1	7	11	13	9	15	4	0	68	0	0	0	0	0	1	0	0	1
Richmond	0	4	8	4	2	18	12	6	36	90	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Augusta	3	12	10	13	8	19	22	5	1	93	1	8	6	3	2	6	15	1	42
Aurora	7	10	12	11	16	2	25	10	0	93	2	5	4	3	2	9	46	10	81
Batavia	1	23	0	8	0	45	6	10	0	93	0	14	0	5	0	43	6	10	78
Brighton	1	6	8	11	13	16	12	26	0	93	1	4	1	2	6	7	2	6	29
Edgington	7	12	4	4	32	23	5	6	0	93	5	9	2	5	13	31	8	9	82
Fremont Centre	2	7	1	5	27	20	20	11	0	93	----	----	----	----	----	----	----	----	----
Manchester	4	5	2	5	17	22	31	6	0	92	2	5	1	2	13	11	21	6	61
Marengo	0	2	4	19	11	44	11	2	0	93	----	----	----	----	----	----	----	----	----
Ottawa	2	13	2	9	1	26	11	19	3	86	0	0	0	0	0	3	9	6	18
Pekin	12	16	6	1	28	7	2	18	3	93	5	3	1	1	2	8	10	15	45
Peoria	14	5	23	3	12	1	31	4	0	93	0	0	0	0	1	0	6	0	7
Riley	7	5	7	6	7	12	22	11	14	91	----	----	----	----	----	----	----	----	----
South Pass	0	0	4	10	10	23	21	2	11	81	3	1	0	1	1	5	0	2	13
West Salem	3	6	5	11	17	12	9	10	20	93	0	0	0	0	0	23	23	1	47
West Urbana	4	12	4	7	9	38	7	12	0	93	0	0	0	0	0	2	1	0	3
Wheaton	13	6	4	5	3	35	9	12	5	92	2	4	1	1	0	13	8	8	37
Winnebago	9	12	1	9	23	25	4	10	0	93	0	0	0	0	0	8	14	9	31
MISSOURI—																			
Cape Girardeau	11	25	3	12	23	19	7	18	6	124	4	2	0	4	12	26	29	16	93
St. Joseph	0	16	0	13	0	37	0	26	23	115	----	----	----	----	----	----	----	----	----
St. Louis	3	13	8	18	6	13	22	10	0	93	----	----	----	----	----	----	----	----	----
Springfield	4	1	7	7	3	14	6	21	10	73	----	----	----	----	----	----	----	----	----

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—																			
Appleton	9	18	0	2	4	38	9	13	0	93	8	20	0	3	3	35	5	12	86
Bay City	2	18	0	4	6	22	36	5	0	93	1	1	3	0	1	5	13	2	26
Beloit	14	2	2	3	38	14	9	11	0	93	0	1	0	0	1	3	2	4	11
Janesville	8	12	0	8	19	18	13	7	5	90	----	----	----	----	----	----	----	----	----
Kenosha	11	5	1	2	11	19	5	4	31	89	----	----	----	----	----	----	----	----	----
Madison, [Sterling]	2	6	1	7	12	33	3	11	2	77	0	0	0	0	0	1	3	0	4
Manitowoc	5	4	0	5	13	28	18	20	0	93	0	0	0	0	0	4	13	4	21
Menasha	2	7	5	0	4	11	17	13	34	93	0	5	6	2	2	8	17	10	50
Milwaukee, [Pomeroy]	3	3	2	16	8	25	21	15	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	6	7	2	7	2	28	17	24	0	93	----	----	----	----	----	----	----	----	----
New London	15	4	0	1	0	42	20	11	0	93	0	5	0	0	0	25	26	25	81
Platteville	7	4	4	26	12	17	12	11	0	93	7	2	3	15	13	15	9	7	71
Racine, [Durham]	6	7	0	4	26	21	18	3	3	88	5	3	0	0	0	0	11	1	20
St Croix	16	7	0	11	5	42	1	8	0	90	0	0	1	0	1	0	0	0	2
Waukesha	18	1	1	2	13	10	19	4	22	90	1	0	0	0	0	1	1	0	3
IOWA—																			
Bellevue	8	2	2	17	12	6	19	27	0	93	0	2	0	0	2	2	7	8	21
Border Plains	26	1	2	18	23	5	3	10	5	93	0	0	0	0	0	3	8	5	16
Camanche	0	2	1	8	11	13	3	3	1	42	8	5	1	4	1	0	0	2	21
Dubuque	8	10	0	10	16	12	8	21	7	92	5	3	1	3	2	11	9	15	49
Fairfield	4	4	0	8	6	18	5	15	33	93	7	3	2	2	0	1	0	0	15
Fort Madison	1	16	0	14	2	37	0	22	1	93	1	6	0	1	5	14	21	8	56
Franklin	5	3	2	7	12	15	20	17	12	93	----	----	----	----	----	----	----	----	----
Iowa City	3	5	11	18	5	15	15	11	6	89	0	0	0	0	1	0	0	1	2
Muscatine	3	6	4	6	29	17	19	9	0	93	0	0	0	1	0	3	1	1	6
Pleasant Plain	3	13	1	15	8	25	13	14	0	92	0	0	0	0	0	6	5	11	22
Rossville	4	9	4	9	17	12	18	6	14	93	----	----	----	----	----	----	----	----	----
Sioux City	3	0	4	7	31	3	3	20	0	71	2	0	0	3	1	0	1	8	15
MINNESOTA—																			
Burlington	5	0	0	0	4	9	10	3	0	31	----	----	----	----	----	----	----	----	----
Hazlewood	6	2	1	5	16	11	6	46	0	93	1	3	0	1	0	1	2	3	11
Lapham	0	0	0	4	2	5	17	3	0	31	----	----	----	----	----	----	----	----	----
Princeton	10	2	2	4	4	6	14	5	16	63	0	2	2	4	0	5	14	5	32
Wabashaw	2	11	1	15	5	15	8	14	22	93	0	0	0	0	2	7	3	15	27
NEBRASKA—																			
Bellevue	27	5	2	0	35	5	8	8	0	90	15	6	0	0	17	0	10	3	51
Omaha	10	1	0	6	6	18	3	21	28	93	9	0	1	6	7	12	8	8	51
KANSAS—																			
Lawrence	10	4	9	16	16	10	22	6	0	93	----	----	----	----	----	----	----	----	----
Leavenworth City	16	8	7	2	12	26	7	12	3	93	7	0	1	0	1	8	22	10	49
Mapleton	4	8	5	2	2	23	20	20	6	90	0	6	0	0	0	4	0	0	10
CALIFORNIA—																			
Sacramento	22	5	11	21	2	4	0	28	0	93	0	0	0	12	1	1	8	6	28
San Francisco	25	2	0	0	16	0	0	0	50	93	19	0	2	0	6	12	6	9	54
WEST INDIES—																			
St. George's, Bermuda	1	9	1	4	1	10	1	4	0	31	----	----	----	----	----	----	----	----	----
Shelby Bay, Bermuda	3	15	6	10	2	19	15	11	6	90	4	7	2	3	1	14	19	8	58
SOUTH AMERICA—																			
Catharina Sophia, Surinam	1	26	29	29	7	1	0	0	0	93	0	6	27	37	0	0	0	0	70

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1857.*

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
BRITISH AMERICA—													
Montreal	.....	6 390	3.990	3.850	2.301	3.080	? 1.610	2.845	2.942	4.660	2.913	8.124	.....
St. John's	6.850	3.740	2.730	3.689	4.000	7.950	2.050	4.290	7.340	5.550	.....	5.985	.....
St. Martin	? 1.913	? 3.581	? 2.180	7.022	.....	6.212	4.757	3.594	4.171	6.825	? 5.772	? 4.030	.....
Toronto	? 2.210	? 4.220	? 1.515	? 3.045	4.146	5.060	3.475	5.265	2.640	1.063	? 3.905	? 4.105	? 40.669
Windsor	.....	.....	.....	.....	1.710	1.750	.....	.....	1.000	4.599	3.169	.....	.....
Wolfville	? 4.860	3.650	3.310	2.890	?	3.512	2.950	4.780	1.500	? 6.680	2.680	1.700	.....
MAINE—													
Cornish, [Guptill]	4.500	5.110	1.730	8.260	4.759	3.530	4.670	6 170	0.910	9.700	3.690	5.650	58.070
Gardiner	4.220	2.464	4.032	5.301	4.740	3.588	2.334	5.568	1.241	4.970	3.629	4.184	46.217
Monson	? 3.162	? 2.437	.....	.....	.....	? 2.750	? 4 375	? 5.125	.....	.....	? 3.462	.....	.....
Perry	? 4.900	? 6.110	.....	? 7.200	? 3.500	? 4.700	? 3.700	? 6.400	? 3.200	? 7.100	? 3.600	? 4.200	.....
Portland	6.456	1.676	4.775	5.847	3 417	2.999	5.379	4.935	0.635	6.998	2.394	4.153	49.661
Steuben	.....	.....	? 4.400	.....	.....	? 4.900	1.454	.....	1.820	5.100	.....	?	.....
NEW HAMPSHIRE—													
Claremont	.....	.....	.....	.....	.....	.....	.....	.....	? 1.290	.....	.....	.....	.....
Concord	? 2.750	.....	.....	.....	.....	.....	.....	3.900	? 0.520	.....	? 1.640	3.970	.....
Francestown, [Root]	.....	.....	.....	.....	.....	2.370	5.261	.....	1.481	7.906	.....	.....	.....
Laconia	2.020	3.560	2.630	6.260	6.550	3.420	3.380	7.110	1.880	5.290	2.750	4.230	49.080
Lake Village	4.080	2.3.0	1.990	5.869	5.830	3.350	2.460	6.690	1.420	7.390	2.600	4.180	48.170
Londonderry	.....	1.800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manchester	3.575	.....	1.132	4.567	5.750	2.181	4.510	6.730	1.497	5.920	1.659	? 4.900	.....
West Enfield	? 4.250	? 2.400	? 2.500	? 8.200	.....	? 5.100	? 5.870	? 4.875	? 1.200	.....	? 1.375	.....	.....
VERMONT—													
Brandon	2.660	2.950	2.290	3.510	5.640	5.495	3.930	5.190	1.750	5.600	2.140	2.520	43.675
Craftsbury	2.900	3.310	2.530	4.750	4.000	5.680	5.160	5.950	2.230	4.540	2.250	3.800	47.160
St. Johnsbury	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.251	.....	3.810	.....
Shelburn	? 1.900	? 4.400	1.610	? 7.875	3.040	5.170	6.420	6.510	1.540	5.050	2.000	2.620	? 48.165
Woodstock	2.830	1.500	2.530	3.670	6.460	3.450	4.490	6.120	1.530	6.320	2.559	4 000	45.450
MASSACHUSETTS—													
Amherst	3.547	2.407	2.121	7.683	6.818	2.661	4.982	? 3.740	3.039	3.878	2.069	5.313	47.661
Boston	.....	.....	.....	.....	.....	.....	.....	.....	2.560	.....	.....	.....	.....
Bridgewater	4.650	2.340	2.488	5.981	2.889	.....	.....	.....	.....	3.618	? 1.170	5.572	.....
Cambridge	7.863	3.721	3.496	8.949	5.168	1.710	6.327	6.669	2.935	3.686	2.565	6 004	59.099
Canton	5.010	2.780	.....	.....	.....	.....	.....	.....	.....	.....	2.600	4.950	.....
Florida	? 3.425	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence	6.520	? 2.070	3.480	9.850	4.821	2.850	4.882	6.290	2 650	5.980	2.352	4.840	56.595
Mendon	.....	.....	.....	7.300	4 800	2.350	4.800	6.091	3.300	4.100	2.300	.....	.....
Nantucket	6.752	2.209	3.955	5.935	4.875	2.896	3.073	7.025	2.512	3.246	2.221	5.135	49.874
New Bedford	5.510	1.610	2.240	5.350	3.285	2.050	4.100	3.500	2.060	2.340	1.640	4.880	38.595
Newburyport	.....	.....	.....	.....	.....	2.450	2.405	4.223	1.005	3.190	.....	.....	.....
North Attleborough	3.730	1.450	1 350	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plainfield	.....	.....	2.750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Princeton	.....	.....	.....	.....	.....	.....	? 6.230	5.050	2.280	5.190	2.130	3.955	.....
Southwick	.....	? 3.130	? 2.860	5.980	8.070	.....	.....	.....	.....	.....	.....	.....	.....
Springfield	.....	.....	.....	.....	.....	2.270	6.240	3.490	.....	.....	.....	.....	.....
Westfield	3.630	2.480	2.470	6.260	6.910	3.210	6.690	4.120	3.530	5.350	2.070	6.580	53.330
Weymouth	.....	.....	1.300	7.670	4.320	2.220	2.910	6.060	4.910	3.790	1.710	4.710	.....
Williamstown	.....	? 3.680	.....	.....	.....	.....	4.052	5.187	3.325	4.870	1.755	3.858	.....
Worcester	.....	2.240	2.800	8.770	.....	2.526	.....	.....	?	.....	.....	? 6.314	.....
RHODE ISLAND—													
Providence	5.500	2.360	3.350	6.290	4.330	1.900	3.450	4.800	2.270	2.900	2.400	5.260	44.750
CONNECTICUT—													
New London	.....	.....	2.600	6.259	4.610	3.430	6.130	4.660	?	4.180	2.201	? 4.510	.....
Pomfret	3.420	.....	3 090	6.700	4.710	2.350	5.520	5.480	3.610	3.480	2.940	7.055	.....
Saybrook	? 5.140	1.450	2.490	6.550	3.870	3.530	7.370	4.930	2.260	3.880	2.420	6.080	? 49.970
Wallingford	4.390	.....	2.470	7.110	7.760	3.230	8.290	5.620	3.170	5.880	2.060	4.380	.....
NEW YORK—													
Angelica	? 2.850	? 1.770	.....	? 4.400	.....	12.500	.....	.....	.....	.....	.....	.....	.....
Bellport	.....	.....	.....	.....	.....	.....	.....	? 4.560	.....	3.210	.....	? 0.959	.....
Beverly	.....	.....	2.400	7.290	7.510	6.295	3.645	3.870	.....	.....	1.765	5.940	.....
Blackwell's Island	6.736	1.740	3.165	7.232	6.450	4.615	6.601	4.530	3.803	3.935	1.912	.....	.....
Canton	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.795	.....	5 372	.....
Cazenovia	1.970	?	5.180	6.750	3.461	9.850	3.820	4.889	?	7.770	3.920	? 3.470	.....
Covert	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.187	.....
Clinton	.....	2.960	3.630	9.180	4.960	8.510	4.710	7.150	4.400	6.410	3.910	4.780	.....
Fishkill Landing	? 3.250	0.950	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flatbush	3.450	1.560	2.140	7.498	6.130	4.570	6.370	3.810	3.480	3.880	1.900	4 940	49.728
Fort Edward	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 930	7.230	.....
Houseville	.....	4.480	.....	.....	.....	.....	.....	5.450	.....	.....	.....	.....	.....
Lake	3.100	.....	1 970	5 350	5.290	5.430	5.450	5.080	1.770	5.670	2.590	4.320	.....
Lowville	1.610	4.809	3.148	5.743	3 651	4 345	1.415	4.960	2.751	5.041	5.153	4.691	47.317
McGrawville	3.912	0.680	3.500	2.290	4.920	10.890	2.510	2.880	3.200	.....	.....	.....	.....
Madrid	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.131	.....	.....	.....
Mexico	3.099	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York city	.....	1.690	2.320	9.050	6.720	5.430	6.130	3.900	3 840	?	? 1.399	6.420	.....
Ogdensburg	1.620	4.140	2.940	4.320	2 060	5.400	4 370	3.830	2.230	2.500	.....	.....	.....
Oswego	.....	.....	.....	.....	4.600	.....	1.570	5.280	1.980	4.600	5.610	5.540	.....
Ovid	1.400	2.370	2.010	5.210	3.660	10.000	1.510	3.100	2.280	7.260	.....	.....	.....
Penn Yan	0.790	1.130	? 1.090	4.790	3.570	11.530	2.810	4.870	1.630	6.560	4.210	2 120	? 44.900
Plainville	4.570	4.710	2.0c0	5.320	4.770	7.260	.....	.....	.....	.....	.....	.....	.....
Pompey	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.020	3.400	3.460	.....
Rochester, [Harkness]	1.970	3 602	2.6 0	6.125	3.893	5.517	3.797	2.882	2.411	4.072	4.338	3.983	45.250
Rochester, [Palmer]	1.924	3.517	1.991	5.669	3.718	.....	3.580	2.740	1.907	4.215	3 964	4.372	.....
Sag Harbor	? 4.360	? 1 325	2.750	4.970	3.050	1 910	4.410	4.170	? 1.653	3.801	2.700	2.050	? 37.203
Seneca	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.090	1.440	.....
Spencertown	? 4.000	2.370	0 865	7.090	5.773	3.605	4.826	3.502	2.565	? 4.665	2 081	.....	.....
Townsendville	1.750	1.250	1.437	3.500	.....	.....	3.625	2.750	? 2.500	5.750	2.562	.....	.....
Troy	2.310	1.315	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wampsville	.....	.....	.....	.....	6.270	?	6 080	11 310	?	?	? 2.850	.....	.....
Waterford	.....	.....	.....	.....	.....	4.780	4.530	5.190	2.930	4 850	1.400	3.790	.....
Wellsville	.....	.....	.....	.....	? 2.500	.....	? 3 530	? 3.687	? 5 500	.....	.....	? 2.645	.....

* In cases where the observer recorded only the depth of snow as it fell, without melting, it is estimated in this table as equal to one-tenth of that depth in water; and whenever, from this cause or any other, there is reason to doubt the accuracy of the record, it is indicated by affixing a mark of interrogation.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1857.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
NEW JERSEY—													
Bloomfield	4.133	0.935	2.527	.....	11.576	10.623	12.185	8.106	4.408	.....	.....	5.720	.....
Burlington	4.254	2.969	1.923	6.035	5 700	6 550	5.885	6.760	1.800	3.245	1.505	5.180	51.806
Lumbertville	4.101	1.262	1.501	6.805	5.997	4.408	4.016	7.986	2.405	3.175	2.022	4.979	48.657
Newark	3 830	1.500	1.990	7.155	6.030	5.345	5.080	4.015	3.810	3.955	0.870	5.785	49.365
Sergeantsville	? 3.819	? 2.182	7.660	7.750	10.990	5.840	3.550	6.159	? 1.050	.....	? 1.170	.....	.....
PENNSYLVANIA—													
Bedford	.....	.....	.....	1.540	5.560	7.051	1.775	2.042	1.040	.....	?	2.614	... ...
Cannonsburg	1.558	1.910	1.293	2.165	5.735	5.485	4.451	4.488	2.910	3.610	3.730	3.500	40.839
Carlisle	3.078	0.856	1.207	2.744	7.750	10.881	.....	.....	.....	.....	.....	.....	.....
Chromodale	2.660	1.389	1.550	5.650	5 330	6.390	1.970	8.260	1.030	3.720	1 510	5.190	45.140
Easton	3.320	1.760	1.040	5.740	7.340	5.760	3.940	3.460	1.070	3.150	1.480	5.280	43.260
Gettysburg	3.039	0.975	1.608	3.125	6.235	7.443	5.032	1.975	1 390	1.120	2.342	3 948	38.223
Harrisburg, [Heisely]	? 1.250	.....	.....	2.795	8.033	11.201	3.225	2.925	2.088	1.176	1.032	5.669	.....
Harrisburg, [Hickok]	.....	.....	1.325	2 6 0	7.870	11.480	2.840	3.160	1.950	1.170	? 1.380	6.270	.....
Lewisburg	1.351	1.114	1.205	2.378	6.700	7.284	4.185	3.016	2.005	1 818	2.223	4.730	.....
Meadville	? 2.315	? 3.151	? 1.915	? 3.704	3 401	8.571	4.391	3.888	? 1.952	5.339	0.959	? 4.754	? 44.319
Morrisville	? 2.609	? 1.000	? 1.200	? 6.600	? 5.800	? 7.800	? 4.100	? 8.000	? 1.400	? 2.900	? 1.200	? 5.200	? 47.800
Moss Grove	1.780	2.892	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Joy	.....	.....	.....	.....	.....	.....	.....	3.741	? 1.750	1.852	2.220	.....	.....
Murrysville	.....	.....	.....	2.887	7.639	4.660	3.520	4.500	3.280	2.900	3.520	3.960	.....
Nazareth	.....	.....	.....	? 4.670	7.810	.....	8.290	.....	.....	.....	.....	.....	.....
Norristown	3.360	0.899	1.460	6.840	6.770	6.000	2.720	6.770	1.710	3.340	1 690	6.000	47.550
Philadelphia	2.989	0.921	1 773	6.932	6.043	7.426	3 373	8.039	1.132	2.742	1.575	5.503	48.448
Pittsburg, [Wilson]	3.000	2.100	0.900	2.440	6.422	4.518	1.432	4.594	2.170	3.735	2.810	1.950	36 071
Pocopson	3 870	0.940	2.180	5.280	6.560	5.750	2.510	7.170	1.280	4.140	1.420	5.620	46.720
Shamokin	2.961	1.899	2.496	6.243	10.600	9.758	6.053	4.080	1.907	2.688	2.413	5.913	57.011
Somerset	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 4 527	.....
West Haverford	3.989	1.290	3.340	.....	3.850	6.902	.....	.....	1.420	4.260	1.380	6.000	.....
Westtown	....	.....	.....	.....	.....	.....	1.832	6.689	1.592	4.601	1.927	5.546	.....
DELAWARE—													
Georgetown	.....	.....	.....	.....	.....	.....	3.950	6.430	2.540	3.790	2.390	4.700	.....
MARYLAND—													
Annapolis	2.970	0.770	1.670	3.680	6.320	8.890	6.190	7.980	1.530	3.430	1.770	6.440	51.640
Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.510	6.140	.....
Bladensburg	.....	0.470	0.910	.....	5.110	5.180	3.920	6.900	1.420	2.430	.....	5.430	.....
Chestertown	.. ...	.....	.....	.....	.....	.....	4.280	.....	.....	.....	.....	.....	.....
Frederick	2.785	0.780	2.290	2.565	7.510	10.738	3.125	2.965	1.270	1.355	1.131	5.763	42.277
DISTRICT OF COLUMBIA—													
Washington, [Smithsonian Inst.]	0.890	0.653	1.910	2.400	5.665	6.531	5.385	10.205	.....	2.072	1.790	.....	.....
Washington, near [Wiessner]	.....	.....	.....	.....	.....	.....	.....	.....	1.620	1.700	0.890	5.540	.....
VIRGINIA—													
Alexandria	3.055	0.491	0.880	2.424	4.454	4.861	4.544	5.000	2.260	2.305	1.939	5.448	37.664
Ashland	1.153	0.903	0.821	2.183	.....	..	6.418	4.036	8.270	1.710	4.773	3.791	.....
Berryville	2.950	0.990	1.720	3.030	5.860	6.200	3.980	3 010	1.810	1.030	1.730	5.700	38.010
Crack Whip	.....	.....	.....	2.720	4.745	6.055	4.640	? 3.363	1.170	... ...	.....	.....	.....
Crichton's Store	0.900	0.310	1.550	2.300	4.050	3.090	11.460	? 1.660	3.682	1.500	1.220	2.970	? 34.092
Kanawha	2.450	1.210	1.390	4.010	5 040	5.220	.....	.....	0.193	.....	.....	.....	.....
Kanawha Salines	.....	.....	.....	2.124	3.785	5.358	6.108	3.552	0.171	2.967	3.841	5.766	.....
Lewisburg	.....	1.020	.....	2.500	5.000	3.580	6.760	3 080	4.300	?	3.660	? 7.720	... ...
Portsmouth	5.800	1 190	4.150	4.860	4.010	3.080	8.120	4.200	8.960	3.870	1.810	4.330	51.410
Rose Hill	.....	.....	.....	2.530	4.470	? 7.700	? 7.600	2.811	1.380	2.330	1.400	3.950	.....
Rougemont	.....	.....	... ...	.....	6.494	6.362	3.395	7.494	2.971	4.096	2.621	7.205	.....
Ruthven	3.340	0.420	2.180	3.030	6.920	?2.630	3.470	2.780	4.720	? 1.750	1.810	4.070	? 37.120
Salem	.....	.....	.....	.....	.....	.....	3.717	4.300	1.596	3.597	3.559	7.860	.....
Smithfield	? 4.105	0.775	3.250	4.318	4.398	3 742	7.059	3.522	6.742	2 909	1.796	4.589	? 47.205
Winchester	2.750	1.700	1.830	3.030	6.240	6.330	6 750	3 000	2.100	1.360	2.000	5.870	42 910
Wirt Court House	? 2.845	? 1.135	? 1.835	2.739	4.400	2.260	5.765	2.860	1.090	2.190	2.250	5.680	? 34.980
NORTH CAROLINA—													
Ashville	.....	.....	.....	.....	.....	.....	? 6.000	? 3.800	? 1.250	.....	.....	? 3.830	.....
Chapel Hill	2.811	0.139	2.304	2.792	4.381	2.536	4.403	3.656	.....	.....	2.766	4.931	.....
Gaston	1.530	0.819	1.675	3.130	4.710	0 970	6.680	1.880	5.530	2.360	1.870	5.130	36.325
Murfreesborough	2.750	0.580	1.670	3.565	3.450	2.490	4.200	0.720	3.400	2.190	1.310	2.900	29.225
Warrenton	.....	.....	.....	2.100	.....	? 2.650	5.230	2.025	3.723	2.560	1.510	.....	.....
SOUTH CAROLINA—													
Aiken	3.995	0.730	3.185	2.235	4.117	2.225	5.155	6.955	0.170	0.810	1.970	4.340	35.857
All Saints	3.360	0.710	2.260	2.950	1.310	2.660	9.570	3.930	3.650	1.080	4.340	4.360	40.120
Camden	4.070	1.330	3.180	2.630	3.830	2.670	6.900	8.960	0.900	1.300	1.080	4.830	41.689
Charleston, [Dawson]	1.230	1.020	2.410	2.840	0.560	2.420	8.280	2.480	0.970	2.080	2.170	4.680	31.120
Charleston, [Johnson]	1.605	1.350	2.500	3.950	2.257	2.869	9.575	2.250	1.212	2.325	2.870	5.362	38.126
Edisto Island	1.237	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mount Pleasant	....	0.920	2.280	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
GEORGIA—													
Athens	.....	.....	2.479	3.225	4.171	.....	6.889	.....	... .	.....	.....	6.958	....
Factory Mills	4.450	0.491	0.920	2.010	5.690	2.860	.....	.....	.....	.....	.....	.....	.....
Hillsborough	.....	.....	.....	.....	.....	.....	.....	.....	0.118	0.554	5.345	4.220	.....
Savannah	1.848	0.951	2.891	2 661	1.259	0.816	10.269	4.739	1.083	3.124	1.029	2.910	33.511
Sparta	5.130	1.830	2.690	3.360	5.800	2 140	4.910	1.490	0.060	0 480	5.840	5.830	39.560
The Rock	2.450	0.410	2.100	3.020	5.370	0.900	5.100	4.610	0.510	0.670	5.870	5.790	36.830
Whitemarsh Island	1.220	0.510	2.720	2.480	? 1.435	4.025	6.355	3.770	.....	3.430	0.670	3.100	.....
FLORIDA—													
Alligator	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 5.600	.....
Atsena	1.750	0.062	3.250	.....	.....	4.312	6.812	... .	.....	.....	.....	? 1.842	.....
Gainesville	2.330	0.100	2.190	2.430	2.950	11.130	7.520	4.300	0.750	0.520	1.220	1.800	37.240
Jacksonville	1.175	0.690	2.920	2.805	2.404	3.750	9.200	10.550	3.777	2.010	.....	6.300	.....
St. Augustine	0.575	0.525	5.125	2.350	2.825	5.775	6.625	6.650	1.250	3.000	1.600	4.550	40.850
Salt Ponds	0.480	0.740	2.330	1.410	0.535	2.900	9.620	3.433	9 110	4.289	1.070	0.720	36.697
Warrington	1.950	1.300	3.950	.....	15.210	1.580	6.390	14.290	1.670	2.900	6.100	....	.....
ALABAMA—													
Auburn	5.330	1.100	3.680	.....	6.790	.....	4.340	3.730	1.070	.....	.....	5.760	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1857.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
ALABAMA—Continued.													
Carlowville	4.970	2.100	4.870	4.880	6.750	2.050	4.960	6.920	? 1.320	? 0.850	3 900	3.870	? 47.440
Greene Springs	4.120	3.640	2.740	3.450	5.640	2.290	4.980	5.560	1.080	1.330	6.390	8.950	50.190
Greensborough	5.807	2.461	3.254	3.581	9.228	1.741	4.070	4.161	.....	1.480	6.769	8.590	.....
MISSISSIPPI—													
Columbus	4 185	3.053	0.923	5.210	7.750	2.815	6.225	2.915	1.251	2.554	3.765	13.320	53.969
Port Gibson	6.960	1.342	3.310	5.310	.....	.....	.....	.....	.....	.....	.....	.....	.....
LOUISIANA—													
Black River	.....	.....	3.310	7.160	3.290	4.450	2.690	3.250	0.370	3.570	4.900	12.460	.....
New Orleans, [Barton]	.....	1.380	3.582	1.095	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Orleans, [Taylor]	3.125	2.350	6.900	.....	.....	.....	.....	5.520	.....	.....	.....	.....	.....
TEXAS—													
Austin	.....	2.822	0.298	1.589	1.676	3.365	0.457	0.681	4.382	3.352	6.140	6.120	.....
Helena	0.100	.....	0.050	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Braunfels	.....	? 3.500	? 0.060	? 1.300	? 2.400	? 1.300	? 2.000	? 3.000	.....	? 3.200	? 4.700	.....	.....
Washington	.....	1.520	0.020	.....	1.220	.....	0.984	2.850	2.190	? 4.420	.....	7.700	.....
TENNESSEE—													
Glenwood	1.988	2.760	0.560	2.707	5.997	4.234	4.614	5.077	0.258	3.018	6.591	5.614	43.448
Memphis, [Tuck]	.....	.....	.....	.....	.....	.....	.....	.....	2.500	1.470	4.820	4.910	.....
Memphis, [Wright]	.....	2.541	0.912	8.729	4.780	2.963	...	.....	.....	.....	.....	.....	.....
Walnut Grove	2.330	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
KENTUCKY—													
Danville	1.613	1.098	0.610	3.280	6.233	4.745	4.014	4.470	0.168	.....	5.007	6.084	.....
Millersburg	? 1.100	.....	.....	.....	4.960	.....	.....	.....	5.400	.....	.....	6.400	.....
Paris	1.505	1.574	.....	4 567	5.780	4.880	5.902	3.860	2.631	3.949	8.010	5.490	.....
Springdale	1.890	3.760	0.500	5.540	7.940	5.170	4.330	4.390	0.870	1.990	5.320	5.000	46.700
OHIO—													
Belle Centre	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.960	5.380	2.400	.....
Cincinnati, [Harper]	0.535	1.980	0.760	2.725	5.530	3.085	2.500	2.920	0.750	4.920	5 360	3.820	34.885
Cincinnati, [Hurtt]	? 0.800	? 2.440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cleveland	1.210	2.890	0.840	2.910	3.510	7.540	2.710	3.970	2.030	3.950	5.390	2.800	39.750
Collingwood	.....	.....	.....	.....	? 5.300	.....	? 4.750	? 3.000	2.420	? 2.500	? 4.350	.....	.....
Edinburg	.....	.....	.....	4.100	? 4.900	? 5.687	5.370	3.930	0 680	3.850	8.370	? 4.970	.....
Farmers' College	1.385	2.145	.....	2.620	6.038	4.990	.....	.....	.....	.....	.....	.....	.....
Franklin	? 1.662	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gallipolis	1.360	1.290	0.765	2.060	4.380	2.115	6.020	4.455	0.440	.....	4.420	3.605	.....
Granville	1.280	2.070	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hillsborough, [Janes]	1.750	2.193	1.220	2.956	5.007	5.250	5.127	5.217	0.991	4.574	5.167	.....	.....
Hillsborough, [Matthews]	1.733	2.119	1.051	3.028	4.901	5.427	4.916	4.708	0.497	3.988	4.810	3.551	41.232
Hiram	.....	3.450	0.800	? 2.785	3.960	5.795	5.140	2.490	1.510	4.330	4.440	3.320	.....
Jefferson	.....	.....	3.520	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madison, [Cunningham]	? 1.925	? 4.437	? 0.800	? 4.781	? 5.000	? 7.252	? 6.070	? 3.263	.....	.....	? 8.396	? 2.781	.....
Medina	.....	.....	1.4 6	4.300	3.240	6.621	6.471	1.910	1.271	3.386	4.325	5.360	.....
Oberlin	.....	.....	0.800	1.900	3.720	7.230	5 040	.....	.....	.....	5.350	.....	.....
Portsmouth	1.400	1.280	0.750	2.170	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ripley	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.520	6.600	2 980	.....
Savannah	1.727	3.400	1.230	2.763	4.338	3.688	5.630	3.626	1.795	5.455	6.595	3.754	44.001
Sidney	? 0.833	.....	? 0.310	.....	? 8.900	? 1.440	.....	? 1.990	.....	8.020	.....	3.410	.....
Urbana	1.160	3.260	1.850	1.940	6.410	3.050	4.280	4.630	1.840	3.970	5.650	2.540	39.820
Welchfield	.....	.....	2.150	4.100	5.520	10.790	5.340	4.017	2.456	5 885	6.550	4.007	.....
West Bedford	1.360	2.010	1.100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zanesville	2.102	2.578	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MICHIGAN—													
Battle Creek	1.120	5.830	1.150	1.730	3.130	3.260	4.870	4.400	1.180	1.050	2.310	1.200	31.230
Copper Falls Mines	? 6.600	? 2.950	? 1.695	? 3.525	1.890	2.840	1.490	3.180	.....	.....	.....	.....	.....
Grand Rapids, [Streng]	.....	.....	.....	.....	.....	.....	.....	5.235	1.740	1.350	2.760	1.380	.....
Grand Rapids, [Currier]	? 2.100	? 5.050	? 2.183	3.620	4 840	4.920	1.250	5.400	1.760	1.471	2.590	? 1.550	.....
Marquette	.....	.....	.....	.....	.....	.....	.....	.....	5.365	.....	? 3.441	? 2.864	.....
New Buffalo	.....	.....	.....	.....	.....	.....	4.040	4.060	2.760	4.660	3.440	1 240	.....
Romeo	0.982	3.195	0.885	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANA—													
Cannelton	1.300	2.020	0.370	2.490	2 740	4.540	3.430	3.100	0.580	.....	.....	.....	.....
Logansport	? 1.025	? 9.012	? 2.450	? 0 850	? 4.500	? 4.500	? 2 750	? 4 375	? 2.663	? 2.500	? 3.237	? 2 000	? 39.862
Michigan City	.....	.....	2.530	2.300	4.980	3.890	2.230	4.160	2.570	3.460	?	1.350	.....
New Albany	.....	.....	0.414	2 448	5.017	3.985	.....	.....	? 1.040	.....	.....	.....	.....
New Harmony	1.100	3.490	0.480	2.860	3.350	5.560	3.740	6.600	1.910	0.960	6.810	2.860	39.660
Richmond	0.609	3.880	1.245	1.960	5.985	5.880	1.975	3.477	0.900	3.505	7.375	2.750	39.511
ILLINOIS—													
Athens	0.440	7.660	2.760	1.860	2.600	3.870	1.550	2.980	2.380	1.760	3 180	.....	.....
Augusta	0.390	4.890	2.555	0.887	2.035	3.703	1.448	4.100	2.722	2.323	2.432	1.361	28.756
Aurora	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.400	2.570	1.060	.....
Batavia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.001	.....
Brighton	1.230	? 2.400	? 1.760	? 1.400	? 1.400	? 2.400	? 1.000	? 1.501	? 0.701	? 0.400	2.301	1.380	? 17.733
Carthage	0.580	4.280	1.260	1.140	1.740	? 2.030	0.920	.....	.....	.....	.....	.....	.....
Chicago	1.090	5.430	2.550	2.190	6.332	4.140	.....	.....	.....	.....	.....	.....	.....
Manchester	0.852	6.913	2 620	0.770	2 730	3.840	2.280	4.520	2.391	1.670	3.825	1.350	33.761
Marengo	1.090	4 910	.....	2.010	3.360	4.700	2.300	6.520	4.320	2.020	? 1.275	.....	.....
Ottawa	.....	? 4.450	? 3.062	? 1.416	3.647	3.949	3.970	6.104	0.891	2.684	? 2.956	? 1.124	.....
Pekin	0.405	6 310	2.800	2.207	2.967	3.633	2.197	5 759	1.987	1.390	1.480	1.446	32.581
Peoria	0.370	5.320	3.840	1.390	2.800	2.770	1.403	5.610	2.160	2.010	1.280	1.500	30.453
Riley	.....	.....	2.775	.....	2.600	3.000	2.630	4.570	.....	3.691	.....	1.252	.....
Upper Alton	.....	.....	.....	1.355	1.550	1.865	.....	.....	.....	.....	.....	.....	.....
Warsaw	? 0.817	5.140	1.080	1.080	1.280	3.360	0.850	3.450	1.820	2.110	2.570	0 830	.....
West Salem	.....	4.520	1.130	1.700	4.370	6.830	3.240	5.750	1.370	1.190	5.290	3.240	.....
West Urbana	0.631	.....	.....	.....	2.875	3.335	1.675	2.251	2.984	? 0.839	3.615	? 2.190	.....
Wheaton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.925	.....
Winnebago	.....	.....	3.260	2.390	3.640	8.340	4.010	6.100	2.560	4.760	1.910	1.300	.....
MISSOURI—													
Cape Girardeau	.....	4.830	.....	.....	4.390	2.710	5.847	4.970	0.940	1.670	7.660	3.280	.....
Palmyra	.....	.....	.....	.....	1.870	2.436	0.320	1.790	.....	0.000	4.890	.....	.....
St. Joseph	.....	.....	.....	.....	1.200	1.940	2.890	2.950	.....	2.950	.....	.....	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1857.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
MISSOURI—Continued.													
St. Louis	0.410	7.740	1.800	1.720	4.810	3.710	2.820	4.150	3.180	3.020	3.800	1.870	39.030
Springfield	.....	.....	.....	.....	.....	.....	4.480	.....	.....	.....	.....	.....	.....
WISCONSIN—													
Appleton	0.649	3.222	0.387	2.191	1.924	7.391	2.561	3.580	1.712	2.031	0.759	? 9.290	? 35.697
Bay City	.....	.....	.....	.....	3.950	? 5.800	? 0.400	? 5.700	? 8.600	.....	.....	.....	.....
Beloit	.....	.....	1.330	? 2.800	4 230	4.350	2.630	5.420	1.910	3.910	1.920	? 1.055	.....
Falls of St. Croix	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 0.750	.....
Janesville	1.240	2.500	1.070	1.290	4.200	4.240	1.550	3.400	2.800	3.200	1.100	0.810	27.410
Madison, [Schue]	.....	.....	.....	.....	? 5.333	.....	.....	.....	.....	.....	.....	.....	.....
Madison, [Sterling]	.....	.....	.....	? 2.700	5.280	2.670	3.050	2.000	2.930	? 2.000	? 0.720	0.750	.....
Menasha	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.125	? 2.560	.....	.....
Milwaukee, [Winkler]	.....	1.850	1.200	3.690	4.600	3.410	3.140	3.010	2.730	3.960	1.500	1.700	.....
New London	? 1.575	? 2 915	.....	2.480	2.500	3.610	2.620	2.450	4.380	1.690	1.990	1.850	.....
Norway	0.830	3.550	0.760	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Platteville	? 1.300	? 2.454	1.479	? 2.108	4.390	3.971	3.462	3.566	5.083	2.492	2.520	? 1.990	? 31.824
IOWA—													
Bellevue	? 0.950	4.800	1.900	1.830	4.190	3.920	3.510	5 270	2.470	2.470	3.570	1.170	? 36.050
Dubuque	.....	.....	.....	.....	? 1.730	? 1.720	5.380	2.510	2.700	2.500	2.700	1.300	.....
Fairfield	.....	.....	.....	.....	1.039	1.060	? 2.300	7.620	? 3.501	2.310	? 3.540	0.850	.....
Fort Madison	0.750	5.350	2.610	1.130	1.510	1.830	1.480	5.840	2.030	1.810	1.950	1.250	27.540
Iowa City	.....	.....	.....	.....	.....	2.500	1.950	5.080	.....	.....	4.360	0.580	.....
Maquoketa	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.731	.....	.....
Muscatine	? 0.610	? 5.7.0	2.440	? 1.903	2.750	0.900	4.670	6.600	1 880	1.950	? 3.770	1.880	? 35.053
Pleasant Plain	.....	.....	1.470	0.550	? 2.500	? 0.800	? 1.100	? 7.600	? 2.100	?	.....	? 1.000	.....
Rossville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.700	2 170	.....
Sioux City	.....	.....	.....	.....	.....	.....	.....	.....	2.120	.....	? 1.470	.....	.....
MINNESOTA—													
Hazlewood	0.850	0.500	0.810	1.580	3.470	4.110	.....	.....	2.975	.....	? 1.460	.....	.....
Lake Winnebigoshish	0.970	7.070	0.850	.....	1.420	.....	.....	.....	.....	.....	.....	.....	.....
Princeton	.....	2 340	1.350	3.780	3.460	.....	1.010	3.860	3.050	0.790	3.690	.....	.....
Wabashaw	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.410	.....
NEBRASKA—													
Omaha	.....	.....	.....	.....	.....	3.320	1.710	10.050	2.540	3.860	1.750	0.800	.....
KANSAS—													
Council City	.....	3.600	2.600	0.330	2.690	1.550	3.210	3.860	.....	.....	.....	.....	.....
Leavenworth City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.610	0.220	.....
UTAH—													
Great Salt Lake City	.....	0.850	0.972	0.193	0.828	1.004	0.613	0.850	0.580	1.000	.....	.....	.....
OREGON—													
Oregon City	.....	.....	.....	0.790	2.540	1.800	0.350	0.480	0.720	1.260	6.830	8.630	.....
CALIFORNIA—													
Sacramento	1.677	4.821	0.677	0.001	0.000	0.350	0.012	0.001	0.000	0.655	2.405	1.633	12 232
San Francisco	1.301	4.926	0.808	0 000	0.000	0.142	0 000	0.001	0.000	0.236	2.221	3.335	12.970
MEXICO—													
Mirador	.....	.....	.....	.....	.....	.....	.....	.....	14.882	15.858	1.451	0.202	.....
Vera Cruz	.....	.....	.....	.....	0.320	.....	.....	.....	9.170	? 13.320	0.320	1 155	.....
GUATEMALA—													
Guatemala	0.205	0.008	0.567	2.091	5.311	13.276	11.945	11.234	5.390	3.532	1.087	0.236	54.882
WEST INDIES—													
Port of Spain, Trinidad	2.140	4.290	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. George's, Bermuda	2.930	8.050	4.210	2.700	4.660	2.700	.....	4.160	.....	.....	4.720	4.000	.....
Shelby Bay, Bermuda	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.040	.....
SOUTH AMERICA—													
Catharina Sophia, Surinam	11.600	4.950	10.900	2.900	? 7.900	6.400	6.900	.....	1.450	3.150	1.859	12.946	.....
AZORES—													
Horta, Fayal	1.562	2.844	4.406	1.281	5.940	3.187	2.562	2.187	3.187	3.719	.....	.....	.....

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
British America	Hamilton (*a*)	29.64	Feb. 10	9 p. m.	30.30	Nov. 19	9 a. m.	28.48	1.82
	Montreal	29.90	Feb. 11	9 p. m.	30.75	Dec. 31	2 p. m.	28.99	1.76
	St. John's	29.52	Jan. 27	7 a. m.	30.47	Dec. 17	7 a. m.	28.10	2.37
	St. Martin	29.74	Feb. 12	7 a. m.	30.76	Dec. 31	2 p. m.	28.88	1.88
	Toronto (*a*)	29.60	Feb. 10	10 p. m	30.35	Nov. 19	6 a. m.	28.55	1.50
	Wolfville	29.70	Feb. 12	7 a. m.	30.94	Jan. 22	9 p. m	*b* 28.99	1.95
Maine	Gardiner	29.78	Feb. 12	2 p. m.	30.78	Dec. 31	2 p. m.	28.92	1.86
	Portland	29.84	Feb. 12	7 a m	30.75	Dec. 31	2 p. m.	28.94	1.81
	Steuben	29.84	Feb. 12	7 a. m.	30.90	Dec. 31	2 p. m.	28.83	2.07
New Hampshire	Concord (*a*)	29.60	Feb. 12	7 a. m.	*c* 30.58	Dec. 31	2 p. m.	28.69	1.89
Vermont	Norwich (*a*)	29.63	Feb. 12	7 a m.	30.55	Nov. 19	9 p. m.	28.87	1.68
	Shelburn	29.63	Feb 12	7 a. m.	*d* 30.60	Dec. 31	2 p. m.	28.38	2.22
Massachusetts	Amherst	29.75	Feb. 12	7 a. m	30.69	Oct 25	2 p. m	28.85	1.84
	Cambridge	29.85	Feb. 12	7 a. m.	30.93	April 14	9 p. m.	29.08	1.85
	Nantucket	29.98	Feb. 12	7 a. m.	30.94	Jan 19	7 a. m.	28.98	1.96
	New Bedford	29.99	Feb. 12	2 p. m.	30.87	Oct. 26	2 p. m	28.95	1.92
	Newburyport (*a*)	29.95	Feb. 12	7 a m	31.00	Dec. 31	2 p. m.	29.06	1.94
	Westfield	29.86	Feb. 12	7 a. m.	30.77	Oct. 26	2 p. m.	29.02	1.75
	Worcester	29.45	Nov. 26	2 p m.	30.52	Sept. 23	7 a. m.	28.11	2.41
Rhode Island	Providence (*a*)	29.77	Feb. 12	Sunrise	30.80	Oct. 26	1 p. m.	28.88	1.92
Connecticut	Norwich	29.87	Feb. 12	7 a. m.	30.78	Apr 14	2 p. m.	29.05	1.73
	Pomfret	29.85	Feb. 12	7 a. m	30.23	Oct. 26	2 p. m.	28.43	1.80
	Wallingford	29.87	Feb. 12	7 a. m.	30.80	Nov. 19	9 p. m.	29.05	1.75
New York	Cazenovia	28.54	Feb. 12	7 a. m.	29.24	Nov. 19	2 p. m.	27.61	1.63
	Flatbush	29.84	Feb. 12	7 a m.	30.75	Oct 26	7 a. m.	28.96	1.79
	Lowville	.....	Feb. 12	7 a. m.	29.78	Nov. 19	2 p. m.	28.23	1.55
	New York city	29.98	Feb. 12	7 a m.	30.87	Oct. 26	7 a. m.	29.08	1.79
	Oswego	29.28	Feb. 12	7 a m.	30.05	Nov. 19	2 p. m.	28.30	1.75
	Ovid	29.87	Feb. 12	7 a. m.	29.55	Nov. 19	7 a. m.	28.05	1.50
	Penn Yann (*a*)	29.32	Dec. 12	Sunset	29.94	Nov. 19	2 p. m.	28.44	1.50
	Rochester	29.46	Feb 12	7 a. m.	30.50	Nov. 20	2 p. m.	28.33	2.17
	Sag Harbor	29.69	Feb. 12	2 p. m.	30.67	Oct. 26	2 p. m.	28.75	1.92
	Saratoga (*a*)	29.56	Jan 26	7 a. m.	30.50	Dec. 31	2 p. m.	28.70	1.80
	Spencertown	29.31	Feb. 12	7 a m.	*b* 30.17	Nov. 19	9 p. m.	28.52	1.65
New Jersey	Bloomfield (*a*)	29.86	Feb 12	7 a m.	30.71	Oct. 26	7 a. m.	28.98	1.73
	Burlington	29.86	Feb. 12	2 p. m.	30.79	Oct. 26	2 p. m.	29.03	1.76
	Newark (*a*)	29.94	Feb. 12	7 a. m	30.82	Nov. 19	6 p. m.	29.07	1.75
Pennsylvania	Cannonsburg	29.79	Dec. 20	9 p. m.	29.73	June 7	2 p. m.	28.03	1.70
	Chromelaie	29.85	Feb 12	7 a. m.	30.76	Nov. 19	2 p. m.	28.97	1.79
	Easton	29.59	Feb. 12	7 a. m.	30.52	Nov 19	2 p. m.	28.66	1.86
	Gettysburg	29.46	Feb. 12	7 a. m.	30.21	Nov. 19	2 p. m.	28.58	1.63
	Harrisburg, [Heisely]	29.75	Feb. 12	7 a. m.	30.52	Nov. 19	2 p. m.	28.86	1.66
	Lewisburg	29.54	Feb. 12	7 a. m.	30.28	Nov. 19	2 p. m.	28.59	1.69
	Morrisville	30.05	Feb. 12	7 a. m.	30.92	Oct. 26	7 a. m.	29.24	1.68
	Nazareth	29.41	Feb. 12	7 a. m.	30.29	Nov. 19	2 p. m.	28.53	1.76
	Norristown	29.89	Feb. 12	7 a. m.	30.76	Nov. 19	2 p. m.	*e* 29.02	1.74
	Philadelphia	29.86	Feb. 12	7 a m	30.64	Oct. 26	7 a. m	29.01	1.63
	Pittsburg, [Wilson]	28.91	Feb. 10	9 p m	29.59	Nov. 19	2 p. m.	27.85	1.74
Delaware	Newark (*a*)	29 80	Feb. 12	7 a. m.	30.61	Oct. 26	7 a. m.	28.98	1.63
Maryland	Annapolis	30.02	Feb. 12	7 a. m.	30.78	Oct. 26	7 a. m.	29.30	1.48
	Frederick	29.74	Feb 12	7 a m	30.50	Nov. 19	2 p. m.	28.88	1.62
Virginia	Alexandria	30.00	Feb. 12	7 a. m	30.89	Nov 19	2 p. m.	29.11	1.69
	Portsmouth	30.01	Feb. 12	7 a m	30.77	Nov. 19	2 p. m.	29.19	1.58
	Rose Hill	29.96	Feb. 12	7 a m	30.75	Nov. 19	2 p. m.	29.05	1.70
North Carolina	Chapel Hill	29.51	Nov. 26	2 p m	30.29	Nov. 19	2 p. m.	28.71	1.58
	Murfreesborough	29.28	Feb. 12	7 a. m	30.16	Nov. 19	2 p. m.	28.60	1.56
South Carolina	All Saints	29.99	Feb. 11	2 p. m.	*b* 30.61	April 21	2 p. m.	*f* 29.44	1.17
	Camden	29.90	Feb. 12	7 a. m.	*d* 30.53	Nov. 19	2 p. m.	29.18	1.35

a For variations from the usual hours, instruments or mode of observation, or for imperfections in the registers, see monthly tables.
b Same height at 9 p. m. February 11.
c Same height at 2 p. m. January 12, and at 7 a. m. January 18.
d Same height at 2 p. m. February 12.
e Same height at 7 a. m. January 26.
f Same height at 2 p. m. January 8.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
		DATE.		HEIGHT.	DATE.		HEIGHT.	
		Day.	Hour.		Day.	Hour.		
	Inches.			*Inches.*			*Inches.*	*Inches.*
South Carolina—Charleston, [Dawson]	.....	Feb. —	.....	30.70	Nov. —	.....	29.57	1.13
Charleston, [Johnson]	30.07	Feb. 12	7 a. m.	30.70	Nov. 19	2 p. m.	29.47	1.23
Georgia—Savannah	30.04	Feb. 11	7 a. m	30.61	Nov. 19	2 p. m.	29.44	1.17
Florida—Atsena (*a*)	29.86	Feb. 11	9 p. m.	30.26	Jan. 18	7 a. m.	29.38	0.88
St. Augustine	30.14	Feb. 11	7 a. m.	30.58	Mar. 1	2 p. m.	29.28	1.30
Salt Ponds (*b*)	29.74	Jan 26	2 p. m.	30.10	Oct 8	7 a. m.	29.38	0.72
Alabama—Auburn	29.37	Feb. 10	7 a. m.	29.86	May 3	9 p. m.	29.00	0.86
Greensborough (*b*)	29.67	Feb. 10	7 a. m.	30.30	May 3	9 p. m.	29.14	1.16
Texas—Washington	29.47	Feb. 8	7 a. m.	*c* 30.77	Jan. 27	9 p. m.	28.91	1.86
Tennessee—Glenwood	29.59	Feb. 10	2 p. m	30.33	Nov. 18	9 p. m.	28.87	1.46
Kentucky—Paris (*b*)	29.19	Feb. 10	9 p. m.	29.93	Nov. 19	7 a. m.	28.45	1.48
Springdale (*b*)	29.43	Jan. 8	7 a. m.	30.51	Nov. 18	9 p. m.	28.73	1.78
Ohio—Cincinnati, [Harper]	29.51	Feb. 10	2 p. m	*d* 30.20	Nov. 18	9 p. m.	28.67	1.53
Cleveland (*b*)	29.02	Feb. 10	9 p. m.	29.71	Nov. 19	7 a. m.	28.12	1.59
Hillsborough	28.94	Feb. 10	9 p. m.	29.56	Nov. 19	7 a. m.	27.96	1.60
Urbana (*b*, *e*)	29.80	Feb. 10	2 p. m.	29.49	Nov. 19	7 a. m.	27.91	1.58
Michigan—Battle Creek	29.10	Feb. 10	7 a. m.	29.84	Nov. 19	7 a. m.	28.14	1.70
Indiana—Michigan City (*b*)	29.33	Feb. 10	5 p. m.	30.08	Nov. 18	9 p. m.	28.30	1.78
New Harmony	29.68	Feb. 10	2 p. m.	30.56	Nov. 18	9 p. m.	28.80	1.76
Richmond (*f*)	28.97	Feb. 10	2 p. m.	29.66	Nov. 18	9 p. m.	28.07	1.59
Illinois—Manchester (*b*)	28.81	Feb. 10	7 a. m.	29.81	Nov. 18	9 p. m.	28.04	1.77
Missouri—St. Louis	29.81	Feb. 10	7 a. m.	30.47	Nov. 18	9 p. m.	28.72	1.75
Wisconsin—Appleton	28.98	Feb. 10	2 p. m.	29.81	Nov. 17	9 p. m.	27.99	1.82
Beloit	29.18	Feb. 10	7 a. m.	30.08	Nov. 18	9 p. m.	28.18	1.90
Madison, [Sterling] (*b*)	29.00	Feb. 10	2 p. m.	29.83	Nov. 18	9 p. m.	28.05	1.78
Manitowoc	29.67	Feb. 10	2 p. m.	30.55	Nov. 18	9 p. m.	28.78	1.77
Milwaukee, [Winkler]	29.27	Feb. 10	2 p. m.	30.10	Nov. 10	2 p. m.	28.25	1.85
Iowa—Muscatine	29.52	Feb. 10	2 p. m.	30.46	Nov. 18	9 p. m.	28.66	1.80
California—Sacramento	29.99	Jan. 27	9 p. m.	30.48	June 12	9 p. m.	29.64	0.84
San Francisco (*b*)	29.96	Dec. 30	7 a. m.	30.41	Oct. 8	7 a. m.	29.49	0.92
Mexico—Mirador (*b*)	22.70	.....	.....	.....	.....	.....	.....	.....
Central America—Gautemala	25.23	Jan —	9 a. m.	25.43	May —	3 p. m.	25.08	0.35

a For eleven months only, June wanting.
b For variations from the usual hours, instruments or mode of observations, or for imperfections in the registers, see monthly tables.
c Same height at 7 a. m. February 11.
d Same height at 9 p. m. February 10.
e For eleven months only, July wanting.
f For eleven months only, September wanting.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range.	Mean cloudiness.
	7 a. m	2 p. m.	9 p. m.	Mean	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp	Date.	M'n temp		
	°	°	°	°		°		°		°		°	°	
BRITISH AMERICA—														
Hamilton (*a*)	45.88	.....	48.86	45.87	?	96	Aug. 13	84.00	?	—18	Jan. 22	— 5.00	114	.....
Montreal	40.14	47 59	42.07	43.27	July 14	92	July 13	84.33	Jan. 23	—27	Jan. 8	— 9.50	.....	6.52
St. John's	40.76	46.37	41.72	42.95	July 7	*b* 78	July 7	73.33	Jan. 16	— 9	Feb. 12	— 0.67	.....	.....
St. Martin	35.38	49.42	39.29	41.26	July 14	98	July 15	81.99	Jan. 23	—30 *c*	Jan. 23	—25.30	128	5.04
Stanbridge	38.88	47.48	40.67	42 34	July 13	*d* 90	July 13	81.67	Jan. 18	—42	Jan. 23	—29.33	132	6.06
Toronto (*a*)	38.86	47.59	41.19	42.55	July 13	*e* 85	Aug. 13	76.38	Jan. 18	—18	Jan. 23	— 9.18	103	6.03
Wolfville	42.52	51.32	43.84	45.89	July 27	88	July 21	79.83	Jan. 18	—10	Jan. 18	— 4.67	98	5.22
MAINE—														
Cornish, [Guptill]	39.26	49.16	39 26	43.33	July 27	88	July 27	81.00	Jan. 23	—26 *c*	Jan. 23	—21.00	114	5 37
Cornish, [West]	37.75	47.85	39.61	41.74	July 13	87	July 27	79.33	Jan. 23	—28 *c*	Jan. 23	—23.33	115	5.14
Gardiner	40.58	31.38	42.36	44.77	June 25	*f* 90	July 11	78.17	Jan. 24	—32	Jan. 23	—14.33	126	6.10
Perry	38.14	47.14	40.69	41.79	July 27	*g* 82	Sept. 3	72.33	Jan. 24	—19	Jan. 23	— 9.00	101	5.16
Portland	40.92	50 30	43.05	44.76	Aug. 11	*h* 87	July 12	76.26	Jan. 24	—25	Jan. 23	—17.16	112	5.71
Steuben	38.68	47.39	40.64	42.27	July 11	*i* 85	Sept. 4	72.67	Jan. 24	—29	Jan. 24	—16.33	114	6.15
NEW HAMPSHIRE—														
Concord (*j*)	38.58	51.36	42.62	44.19	July 15	92	July 15	79.67	Jan. 24	—28	Jan. 23	—14.67	120	5.06
Manchester	40.33	53 48	45.08	46.30	July 12	*k* 98	July 12	*l* 84.00	Jan. 23	—22	Jan. 23	—17.67	120	5.37
VERMONT—														
Brandon	38.62	48.90	41.36	42.96	July 15	88	July 15	80.33	Jan. 23	—27	Jan. 23	—19.33	115	5.98
Craftsbury	35.50	45.98	38.40	39.96	July 15	87	July 11	76.00	Jan. 23	—34	Jan. 23	—28.00	121	5.98
Rupert	41.04	53.21	47.52	47.26	July 14	100 *m*	July 12	88.00	Jan. 23	—28	Jan. 23	—18.00	128	6.56
Shelburn	39.99	48.42	41.04	43.15	July 15	91	July 15	82.33	Jan. 24	—30	Jan. 23	—21.33	121	5.99
West Fairlee	38.81	50.45	42.03	43.76	July 14	*k* 90	July 15	79.00	Jan. 21	—26	Jan. 23	—18.60	116	.....
MASSACHUSETTS—														
Amherst	41.53	52.76	44 27	46.19	July 12	*d* 90	Aug. 14	81 33	Jan. 24	—18	Jan. 23	—11.30	108	5.42
Cambridge	43.01	53.78	45.67	47.49	July 19	92	Aug. 14	82.00	Jan. 23	—16 *c*	Jan. 23	—10.67	108	5.47
Lawrence	41.90	.....	.....	45.94	Aug. 14	*n* 91	July 15	80.00	Jan. 24	—25	Jan. 23	—11.50	116	4.85
Mendon	42 85	52.49	44.77	46.70	Aug. 14	92	Aug. 14	82.33	Jan. 21	—18	Jan. 23	—10.67	110	5.22
Nantucket	48.02	54.32	47.24	49.86	July 12	*d* 84	Aug. 14	77.50	Jan. 23	— 6.5	Jan. 23	— 0.00	90	4.95
New Bedford	41.57	52.96	45.40	47.64	Aug. 14	88	Aug. 14	79.67	Jan. 23	—11	Jan. 23	— 6.67	99	6.08
Newburyport (*a*)	43.39	52.69	45.94	47.34	Aug. 14	93	July 28	81.60	Jan. 22	—20	Jan. 23	— 8.70	112	7.33
Westfield	40.46	52.47	44.12	45.68	Aug. 14	91	Aug. 14	79.67	Jan. 21	—24	Jan. 23	—12.00	115	5.71
Weymouth	44.44	.....	46.07	45.25	Aug. 14	82	July 28	75.00	Jan. 24	—15	Jan. 23	—10.00	97	.....
Worcester	42.93	52.67	45.64	47.08	Aug. 14	90	Aug. 14	82.67	Jan. 21	—13	Jan. 23	— 8.00	103	6.02
RHODE ISLAND—														
Providence (*a*)	42.26	53.58	44.26	46.70	July 12	88	Aug. 14	79.60	Jan. 23	—14 *c*	Jan. 23	— 9.70	102	5.05
CONNECTICUT—														
Columbia	43.08	53.78	43.80	46.69	July 12	94	July 12	80.67	Jan. 24	—22	Jan. 18	—10.00	116	5.57
New London	44.43	54.31	45.87	48.20	Aug. 14	90	Aug. 15	82.00	Jan. 23	—16	Jan. 23	— 5.33	106	5.10
Norwich	43.30	55.07	46.75	48.37	July 12	*d* 92	Aug. 14	83.00	Jan. 21	—24	Jan. 23	— 8.00	116	4 40
Pomfret	41.10	50.98	43.03	45.04	Aug. 14	85	July 12	76.90	Jan. 23	—15	Jan. 23	—10.00	100	5.56
Saybrook	44.54	51.74	46.04	47.44	July 18	81	Aug. 14	78.00	Jan. 23	—12	Jan. 23	— 2.67	96	5.14
Wallingford	41.75	53.49	44.12	46.45	July 12	*d* 90	Aug. 14	81.00	Jan. 24	—21	Jan. 23	— 9.33	111	4.59
NEW YORK—														
Baldwinsville	40.94	49.10	43.94	44.66	July 19	87	July 27	80.00	Jan. 18	—19	Jan. 18	—10.33	106	6.03
Cazenovia	39.41	46 27	40.19	41.96	July 14	*n* 87	July 18	79.00	Jan. 18	—29	Jan. 18	—18.67	116	6.77
Clinton	42.44	53.02	42.43	45.96	July 13	*o* 96	July 17	84.00	Jan. 18	—24	Jan. 23	—16.33	120	6.57
Flatbush	45.50	54.91	45.50	49.09	Aug. 14	90	Aug. 14	82.99	Jan. 24	— 5	Jan. 18	0.70	95	5.55
Lowville	.....	.....	.....	41.66	July 14	90	Aug. 25	74.25	Jan. 18	—34	Jan. 23	25.00	124	.....
Morrisania (*a*)	45.84	59.45	47.31	50.87	Sept. 4	103	Aug. 14	85.67	Jan. 23	— 8	Jan. 23	— 1.67	111	4.87
New York city	48.75	56.61	50.68	52 01	Aug. 14	90	Aug. 14	85.20	Jan. 18	0	Jan. 18	2.53	90	5.09
Nichols (*a*)	36.95	52.88	40.67	43.30	July 14	96	Aug. 14	79.33	Jan. 24	—26	Jan. 18	— 8.00	122	.....
Oswego	42.84	49.93	43.90	45.56	July 19	93	July 19	83.33	Jan. 18	—18	Jan. 18	— 8.33	111	6.35
Ovid	44.04	50.15	44.19	45.84	Aug. 14	91	Aug. 4	83.00	Jan. 18	—17	Jan. 18	—12.67	.....	6.18
Penn Yan (*a*)	39.65	52.45	45.06	45.72	July 29	92	Aug. 14	80.67	Jan. 18	—18	Jan. 18	— 9.00	110	.....
Rochester, [Harkness]	45 72	51.00	45.48	47.40	July.....	91	.....	.....	January	—13	.....	.....	104	.....
Sag Harbor (*a*)	46.30	57.57	47 30	50.39	July 12	*d* 90	Aug. 14	83 00	Jan. 23	— 6	Jan. 23	0.67	96	5.01
Saratoga (*a*)	39.66	52.98	44 97	45.87	May 26	90	July 14	81 00	Jan. 23	—40	Jan. 23	—20.67	130	4.01
Spencertown	41.30	50.18	44.09	45.19	Aug. 14	92	Aug. 14	82.00	Jan. 23	—23	Jan. 23	—19.00	.....	5.10
Wampsville	42.59	52.37	43 68	46.21	July 14	91	July 14	84 00	Jan. 18	—23	Jan. 18	—12 33	117	6.38
Waterford (*a*)	42.40	52.88	44.72	46.66	July 19	93	July 19	85.50	Jan. 24	—27	Jan. 23	—11.75	120	.....
NEW JERSEY—														
Bloomfield (*a*)	45.41	57.55	47.26	50 07	Aug. 11	93	Aug. 14	85.67	Jan. 21	—16	Jan. 18	— 2.33	109	4.51
Burlington	45.66	57.45	49.12	50.74	Aug. 14	91	Aug. 14	83.00	Jan. 23	—15	Jan. 23	0.67	106	5.25
Newark (*a*)	.....	.....	.....	48.39	Aug. 14	89	July 27	79.75	Jan. 24	—12	Jan. 18	— 1.75	101	.....
Sergeantsville (*a*)	45.08	62.61	50.60	52.56	July 26	97	Aug. 15	86.67	Jan. 24	—12	Jan. 18	— 1.00	109	4.43
PENNSYLVANIA—														
Bedford (*a*)	43.06	58.11	47.41	49.53	July 9	92	Aug. 14	82.67	Feb. 3	—11	Jan. 22	— 1.00	103	5.02
Cannonsburg	44.20	54.09	48.01	48.77	July 17	*p* 86	July 17	78.67	Jan. 23	— 6	Jan. 26	— 1.33	92	6.21
Chromedale	45.93	56 75	47.61	50.10	July 20	*d* 89	Aug. 14	82.50	Jan. 24	—17	Jan. 23	— 2.10	106	5.22
Easton	43.01	55.06	46.11	48.07	July 13	*n* 89	July 13	*n* 80.33	Jan. 24	—14½	Jan. 23	— 0.67	50½	5.63
Fleming	42.36	55.35	45.51	47.74	July 13	92	July 13	83 00	Jan. 26	—18	Jan. 23	— 1.00	110	5.21
Gettysburg	43.69	57.95	47.56	49.73	Aug. 14	92	Aug. 14	83.33	Jan. 24	—20	Jan. 23	— 2.33	112	4.87
Harrisburg, [Heisely]	48.33	57.48	52.98	52.93	June 28	*q* 91	Aug. 14	86.67	Jan. 24	—12	Jan. 24	3.00	103	4.10
Lewisburg	42.61	55.03	46.40	48.01	Aug. 14	91	Aug. 14	83.23	Jan. 24	—18	Jan. 18	1.64	.....	6 38
Meadville	41.64	51.16	43.28	45 36	July 10	91	July 19	82.33	Jan. 16	—12	Jan. 22	— 1.00	106	6.16

a For variations from the usual hours of observation, or for imperfections in the registers, see monthly tables.
b Same temperature September 3d.
c Same temperature January 24th.
d Same temperature August 14th.
e Same temperature August 13th.
f Same temperature July 10th and 27th.
g Same temperature July 30th.
h Same temperature September 11th.
i Same temperature September 1th.
j For eleven months only; June wanting. For variations from the usual hours of observation, or for imperfections in the registers, see monthly tables.
k Same temperature July 15th.
l Same temperature July 19th and 28th.
m Same temperature August 4th.
n Same temperature July 19th.
o Same temperature July 17th.
p Same temperature August 7th.
q Same temperature July 13th and August 14th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range.	Mean cloudiness.
	7 a.m.	2 p.m.	9 p.m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
PENNSYLVANIA—Cont'd.	°	°	°	°		°		°		°		°	°	
Morrisville	44.51	57.10	47.23	49.61	Aug. 14	90	Aug. 14	81.00	Jan. 24	—17	Jan. 23	0.33	107	4.01
Nazareth	43.30	55.07	43.60	47.32	July 13	95	July 19	82.00	Jan. 24	—11	Jan. 23	— 2.00	106	5.79
Norristown	45.24	55.41	48.06	49.57	Aug. 14	88	Aug. 14	81.70	Jan. 24	—16	Jan. 23	0.00	104	5.22
North Whitehall (*a*)	41.91	55.27	50.01	49.06	Aug. 14	92	Aug. 14	84.00	Jan. 24	— 8 *b*	Jan. 24	— 1.00	100	6.22
Paradise				51.08										
Philadelphia	49.11	59.19	52.08	53.46	Aug. 14	94	Aug. 14	87.00	Jan. 23	— 5 *c*	Jan. 18	1.00	99	5.52
Pocopson	45.74	58.42	47 91	50.69	Aug. 14	95	Aug. 14	86.00	Jan. 24	—19	Jan. 23	— 2.00	114	5.44
Shamokin	39.37	53.91	47.68	46.70	July 13	93	Aug. 14	80.67	Jan. 24	—30	Jan. 23	— 4.33	126	5.71
Tarentum	43.77	57.72	46.75	43.77	June 28	*d* 94	Aug. 14	81.67	Jan. 25	—10	Jan. 18	3.67	104	5.64
DELAWARE—														
Newark (*a*)	48.06	59.33	50.63	52.67	Aug. 14	94	Aug. 14	86.17	Jan. 24	—11	Jan. 23	— 1.67	105	4.98
MARYLAND—														
Annapolis	47.99	59.48	52.81	53.43	Aug. 14	93	Aug. 14	85.33	Jan. 23	— 7	Jan. 23	4.00	100	4.31
Frederick	47.23	57.02	49.45	51.23	Sept. 17	88	Aug. 15	82.83	Jan. 24	— 6	Jan. 18	4.67	94	4 91
Sykesville	45.21	57.85	48.89	50.65	July 27	*e* 86	Aug. 14	81.33	Jan. 21	—21	Jan. 18	— 0.33	107	4.47
VIRGINIA—														
Alexandria	49.83	61.15	52.78	54.59	Aug. 14	91	Aug. 14	86.33	Jan. 24	— 6	Jan. 23	3.30	97	4.59
Berryville	45.71	56.50	50.31	50 84	Aug. 15	91	Aug. 14	81.90	Jan. 23	0 *b*	Jan. 18	3.33	99	5.09
Crichton's Store (*a*)	53.29	64.29	62.77	60.12	June 27	99	Aug. 15	92.00	Jan. 23	8	Jan. 23	12.67	107	4.72
Lewisburg	41.89	56.59	45.33	47.94	Aug. 15	88	Aug. 16	78.33	Jan. 19	—12	Jan. 21	— 3.00	100	5.10
Meadow Dale	39.06	53.70	47.63	46.82	July 17	83	Aug. 14	75.33	Jan. 23	—16	Jan. 22	— 5.33	109	
Portsmouth	52.52	65.71	53.61	57.28	July 19	98	Aug. 15	86.67	Jan. 23	— 5	Jan. 23	6.33	103	3.74
Rougemont (*a*)	50.15	62.89	52.99	55.34	Aug. 14	*f* 94	Aug. 14	88.33	Jan. 23	—13	Jan. 18	— 1.40	107	4.89
Ruthven (*a*)	49.96	62.61	51.52	54.70	June 28	*g* 96	June 28	85.00	Jan. 33	—12	Jan. 23	?	108	2.90
Smithfield				56.19	Aug. 14	92	Aug. 15	85.10	Jan. 23	—11	Jan. 23	— 3.80	103	
Wirt Court-House (*a*)	43.29	57.19	47.81	49.43	Aug. 17	94	Aug. 14	*h* 82.00	Jan. 23	—26.5	Jan. 23	— 7.58	120	5.57
NORTH CAROLINA—														
Chapel Hill	52.06	66.42	55.58	58.02	Aug. 17	99	Aug. 15	87.67	Jan. 23	1	Jan. 23	10.60	100	5.31
Gaston (*a*)	49.58	64.29	54.09	59.99	Aug. 16	100	Aug. 16	88.00	Jan. 23	—24	Jan. 23	— 1.33	124	
Murfreesborough (*a*)	51.21	63.81	54.96	56.66	Aug. 15	96	Aug. 15	87.67	Jan. 23	— 4	Jan. 23	7.00	100	3.76
SOUTH CAROLINA—														
Aiken (*a*)	56.41	68.80	61.12	62.11	June 9	*i* 92	Aug. 16	88.00	Jan. 19	4	Jan. 23	21.00	88	
All Saints	58.08	67.37	61.54	62.33	Aug. 28	88	Aug. 28	83 33	Jan. 23	15	Jan. 23	20.67	73	4.40
Camden	53.72	68.67	57.46	59.95	June 9	*j* 95	Aug. 16	87.00	Jan. 20	0	Jan. 19	14.33	95	5.04
Charleston, [Dawson].	60.46	69 92	63.39	64.59		92				14			78	
Charleston, [Johnson].	60.31	69.94	63.39	64.55	Aug. 16	*k* 92	Aug. 16	86.00	Jan. 19	14	Jan. 19	22.33	78	
GEORGIA—														
Savannah	58.75	71.39	62.71	64.28	June 9	97	June 9	86.33	Jan. 19	13	Jan. 19	22.67	84	4.95
Sparta				61.72	Sept. 19	96	Sept. 17	83.67	Jan. 19	8	Jan. 22	22 00	88	4.62
The Rock	63.91	68.44	61.89	61.41	June 9	*l* 93	June 9	84.00	Jan. 19	3	Jan. 19	11.67	90	
Zebulon	58.10	67.49	63.23	62.94	June 9	*g* 91	June 14	88.00	Jan. 19	6	Jan. 19	16.33	85	4.87
FLORIDA—														
Alsena (*a*)	65.18	72.09	68.69	68.65	Aug. 17	90	Aug. 16	85.67	Jan. 19	20	Jan. 19	28.67	70	3.66
Belair	60.03	74.46	64.28	66.26	June 8	*l* 93	Sept. 15	89.00	Jan. 19	13	Nov. 21	35.67		4.11
Gainesville (*a*)	60.42	74.91	65.50	66.95	Aug. 16	*l* 90	Aug. 16	84.00	Jan. 19	17	Jan. 19	26.67	77	3.31
St. Augustine (*a*)	67.80	72.95	67.64	69.46	Aug. 28	*m* 93	Aug. 29	85.33	Jan. 19	19	Jan. 19	27.33	74	3.95
Salt Ponds (*a*)	73.25	78.13		75.69	Aug. 26	*n* 89	Aug. 26	86.00	Jan. 20	42	Jan. 20	48.00	47	3.67
ALABAMA—														
Ashville (*a*)				56.45			Sept. 18	78.00			Jan. 19	8.00		
Auburn	56.54	68.96	61.60	62.37	June 9	*o* 92	Oct. 7	86.00	Jan. 19	5	Jan. 19	15.00		4.19
Carlowville	57.75	71.22	60.94	63.30	June 26	*p* 96	June 11	86.67	Jan. 19	8	Jan. 18	15.00	88	3.83
Greene Springs	54.87	70.81	57.95	61.21	June 8	*q* 92	July 18	88.33	Jan. 19	4	Jan. 18	10.00	88	4.30
MISSISSIPPI—														
Columbus	53.87	68.25	58.64	60.25	July 19	96	July 18	84.23	Jan. 19	8	Jan. 18	12.63	88	4.31
LOUISIANA—														
Black River	58.45	73.03	64.26	65.25	July 16	*r* 96	July 16	87.67	Jan. 19	13	Jan. 18	20.33	83	4.57
TEXAS—														
Austin	59.07	74.51	63.96	65.85	July 18	100	July 18	89.33	Jan. 18	12	Jan. 18	21.00	88	5.12
Washington	62 14	77.24	74.56	67.17	July 17	106	July 17	92.67	Jan. 18	10	Jan. 18	19.00	96	4.45
TENNESSEE—														
Glenwood	49.09	61.06	53.47	54.54	July 19	89	July 19	81.50	Jan. 19	— 8	Jan. 22	2.67	97	5.47
KENTUCKY—														
Paris (*a*)	45.74	55.54	49.42	50.57	Aug. 17	89	Aug. 14	82.00	Jan. 19	—25	Jan. 22	—12.33	114	4.95
Springdale (*a*)	43.10	61.70	51.23	53 01	July 12	*r* 96	Aug. 14	84.00	Jan. 19	—24.5	Jan. 19	— 3.00	120	5.32
OHIO—														
Cincinnati, [Harper]	48.40	60.82	52.99	54.07	July 25	95	Aug. 8	*s* 87.00	Jan. 21	—10	Jan. 21	— 1.67	105	5.19
Cleveland	43.24	53.08	45.74	47.35	Aug. 13	91	Aug. 13	83.33	Jan. 12	—13	Jan. 18	— 2.00	104	6.22
Collingwood	43.62	53.06	45.76	47.48	May 30	90	June 26	80.00	Jan. 18	— 8	Jan. 22	— 2.67	98	
Hillsborough	44.22	54.33	48.12	48 89	July 17	87	Aug. 14	79.00	Jan. 23	—11	Jan. 22	— 5.00	98	4.63
Hiram	42.82	52.00	45.06	46.63	July 13	88	July 13	79.33	Jan. 22	— 9	Jan. 22	— 7.00	97	6.32
Madison, [Cunning'm]	44 32	52.84	42.65	46.60	July 14	95	July 27	81.33	Jan. 22	— 9 *t*	Jan. 22	— 1.67	104	5.80
New Lisbon	46.63	60.59	48.21	51.81	June	*u* 95	June 16	86.67	January .	— 9	Jan. 22	— 3.00		3.79

a For variations from the usual hours of observation, or for imperfections in the registers, see monthly tables.
b Same temperature January 26th.
c Same temperature January 24th.
d Same temperature July 15th and 19th.
e Same temperature July 28th.
f Same temperature August 15th.
g Same temperature August 18th.
h Same temperature August 15th and 16th.
i Same temperature June 15th and August 15th and 16th.
j Same temperature August 16th.
k Same temperature June 14th and 16th.
l Same temperature September 15th.
m Same temperature September 14th.
n Same temperature August 27th and September 15th and 17th.
o Same temperature July 11th and September 18th.
p Same temperature June 27th.
q Same temperature June 12th and 13th, and August 14th, 15th, and 18th.
r Same temperature July 17th.
s Same temperature August 14th.
t Same temperature January 25th.
u Same temperature in August.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
OHIO—Continued.														
Perrysburg (*a*)	45.76	56.44	47.50	49.90	July 12	*b* 92	July 13	83.67	Jan. 19	—13	Jan. 22	— 0.33	105	.....
Savannah	43.68	56.57	44.45	48.23	July 26	*c* 98	Aug. 13	86.33	Jan. 8	—20 *d*	Jan. 22	— 8.33	118	6.29
Urbana (*a*)	42.50	57.42	45.59	48.53	Aug. 14	93	June 8	82.00	Jan. 23	—19	Jan. 22	— 7.00	112	5.62
MICHIGAN—														
Battle Creek	41.31	53.95	43.70	46.32	July 12	*b* 92	Aug. 14	84.00	Jan. 18	—26	Jan. 18	—10.00	108	4.91
Cooper	42.40	50.59	41.91	44.97	July 11	94	June 26	83.33	Jan. 18	—12	Jan. 18	— 4.00	106	3.85
Grand Rapids, [Currier]	38.94	51.34	42.58	44.29	July 11	94	Aug. 13	81.33	Jan. 18	—28	Jan. 18	— 9.33	.....	5.05
Grand Rapids, [Streng]	40.15	54.30	43.39	45.95	July 13	97	June 27	*e* 83.00	Jan. 18	—28	Jan. 18	— 9.33	125	5.94
INDIANA—														
Logansport (*a*)	42.00	55.00	48.00	48.00	.....	99	.....	.....	.....	—19	.....	.....	118	.....
Michigan City (*a*)	42.95	52.31	43.38	46.21	July 12	100	July 26	85.67	Jan. 23	—24	Jan. 23	— 7.75	124	.....
New Harmony	43.17	60.01	51.60	53.26	July 17	92	Aug. 14	*f* 84.67	Jan. 19	—13	Jan. 22	0.67	105	5.18
Richmond	43.21	55.06	47.16	48.48	July 17	90	July 17	80.90	Jan. 23	—14	Jan. 22	— 4.10	104	5.41
ILLINOIS—														
Augusta	42.06	55.16	47.00	48.07	July 16	*g* 98	July 18	87.67	Jan. 18	—23	Jan. 18	—11.67	121	4.26
Brighton	45.77	57.46	52.32	51.85	July 16	106	July 16	97.33	Jan. 18	—20	Jan. 18	— 3.33	126	3.80
Fremont Centre	42.49	52.46	41.67	45.54	July 9	*h* 92	July 18	*c* 85.33	Jan. 17	—16 *i*	Jan. 17	—11.33	108	5.13
Manchester (*a*)	43.09	57.50	45.83	48.81	July 17	93	July 17	85.67	Jan. 18	—22	Jan. 18	— 8.00	115	4.62
Marengo	41.56	53.80	41.57	45.64	July 17	100	July 17	86.67	Jan. 18	—18 *j*	Jan. 22	—11.33	118	5.22
Ottawa	40.93	51.95	44.76	45.88	July 17	*k* 93	July 17	85.00	Jan. 19	—16	Jan. 27	— 9.67	109	5.03
Pekin (*a*)	41.89	54.69	.....	.....	July 17	97	July 17	87.33	Jan. 18	—19	Jan. 18	— 8.50	116	5.33
Peoria	43.66	57.66	47.83	49.72	July 17	99	July 17	89.37	Jan. 18	—16	Jan. 18	— 6.60	115	4.90
Riley	38.76	51.01	39.66	43.14	July 12	94	July 12	82.33	Jan. 19	—24 *j*	Jan. 22	—17.00	118	4.35
Warsaw	44.48	56.79	47.51	49.59	July 16	102	July 18	89.00	Jan. 18	—22	Jan. 18	— 6.67	.....	4.98
West Salem	47.55	61.44	50.87	53.29	July 17	96	July 17	85.00	Jan. 19	—10	Jan. 22	3.33	106	4.98
MISSOURI—														
St. Louis	48.32	60.00	51.95	53.42	July 17	101	July 17	91.67	Jan. 18	—12.5	Jan. 18	— 2.17	113	4.85
WISCONSIN—														
Appleton	37.52	50.06	40.17	42.58	July 9	93	July 18	82.33	Jan. 18	—26	Jan. 18	—14.33	119	4.77
Beloit	38.63	52.39	41.30	44.11	Aug. 13	98	July 17	*c* 81.67	Jan. 18	—25	Jan. 22	—14.67	123	4.04
Madison, [Sterling] (*a*)	39.86	48.93	42.09	43.63	July 15	95	July 15	86.00	Jan. 18	—25	Jan. 22	—12.67	120	5.00
Manitowoc (*a*)	38.97	49.80	41.48	43.42	Aug. 13	94	Aug. 13	83.00	Jan. 22	—16	Jan. 22	— 8.33	110	5.49
Milwaukee, [Pomeroy]	39.53	48.54	39.57	42.55	Aug. 13	93	Aug. 13	82.33	Jan. 23	—19	Jan. 22	—13.33	112	4.58
Milwaukee, [Winkler]	39.53	48.54	39.57	42.55	Aug. 13	93	Aug. 13	82.33	Jan. 23	—19	Jan. 22	—13.33	112	4.58
New London	34.75	49.37	39.17	41.10	July 9	98	July 8	82.00	Jan. 18	—28 *l*	Jan. 18	—16.33	126	4.43
Platteville	39.56	53.34	42.82	45.24	July 17	102	July 17	91.67	Jan. 18	—29	Jan. 21	—18.00	131	4.76
IOWA—														
Bellevue	39.08	52.91	41.71	44.57	July 8	97	July 18	82.33	Jan. 18	—32	Jan. 18	—19.00	129	.....
Border Plains	39.62	52.25	42.30	44.72	June 25	*c* 97	July 15	84.67	Jan. 18	—30	Jan. 17	—15.00	.....	5.09
Fairfield	.....	.....	.....	47.63	July 18	99	July 18	88.33	Jan. 18	—24	Jan. 17	—12.50	123	.....
Fort Madison (*a*)	41.40	54.30	47.81	47.84	July 16	104 *m*	July 15	86.00	Jan. 18	—27	Jan. 18	—12.33	131	4.67
Franklin	38.98	50.59	40.90	43.49	July 9	*n* 93	July 17	82.67	Jan. 18	—36	Jan. 18	—20.33	129	4.70
Muscatine	37.90	52.61	43.05	44.52	July 18	97	Aug. 13	82.00	Jan. 18	—30	Jan. 18	—18.00	127	4.24
Pleasant Plain	41.94	55.47	42.16	46.52	July 16	102	July 18	90.67	Jan. 18	—27	Jan. 21	—10.33	129	4.30
MINNESOTA—														
Princeton (*a*)	34.34	47.71	36.79	39.61	July 9	*o* 96	July 10	86.67	Feb. 10	—40	Feb. 10	—20.67	136	4.13
CALIFORNIA—														
Sacramento	56.04	65.61	58.39	60.01	June 17	98	June 17	87.00	Jan. 9	31	Jan. 9	36.33	67	2.98
San Francisco	54.37	63.42	54.49	57.43	June 16	98	June 16	79.00	Jan. 8	36	Jan. 8	40.33	62	3.88
CENTRAL AMERICA—														
Guatemala	.....	.....	.....	64.99	April . .	89	.....	.....	January .	40½	.....	.....	.....	.....
MEXICO—														
Mirador (*a*)	71.16	82.29	71.76	75.07	.....	.....	May	91.09	.....	.....	January .	53.73	. ....	.....

a For variations from the usual hours of observation, or for imperfections in the registers, see monthly tables.
b Same temperature July 13th.
c Same temperature August 13th.
d Same temperature January 12th.
e Same temperature July 13th and 17th, and August 13th.
f Same temperature August 16th.
g Same temperature July 18th.
h Same temperature August 4th and 14th.
i Same temperature January 22d and 23d.
j Same temperature January 23d.
k Same temperature January 18th.
l Same temperature January 19th and 23d.
m Same temperature July 17th.
n Same temperature July 13th and 16th.
o Same temperature July 10th and 16th.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	FORCE OF VAPOR.								RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.			MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.		7a.m.	2p m.	9p.m.	7a.m.	2p.m.	9p.m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches.*							
St. Martin (*a*)	.234	.324	.261	Aug. 14	1.165	Jan. 23	.007		85	75	85	23	32	29
St. Martin (*b*)	.248	.342	.280	July 15	1.136	Jan. 23	.008		84	76	85	29	38	61
Wolfville	.290	.319	.281	July 7	.975	Feb. 28	.016		84	70	81	40	09	36
MASSACHUSETTS—														
Amherst	.290	.319	.304	July 14	.899	Jan. 24	.019		90	67	85	54	23	36
Cambridge									83	73	78	66	53	55
Lawrence	.299	.349	.329	July 19	1.019	Feb. 11	.012		85	66	80	19	18	29
Nantucket	.296	.303	.300	July 20	.856	Jan. 24	*c* 000		75	62	79	26	00	00
New Bedford	.310	.330	.316	July 15	.914	Jan. 23	.021		87	70	88	48	22	14
Newburyport	.309	.330	.322	July 28	.928	Jan. 8	.010		87	70	86	26	22	45
Westfield	.253	.277	.296	July 25	.851	Feb. 2	.001		80	57	82	35	15	40
Worcester	.269	.299	.285	July 18	1.092	Jan. 15	*d*. 000		77	64	75	00	03	00
CONNECTICUT—														
Pomfret	.299	.344	.306	Aug. 14	.895	Jan. 23	.023		81	77	88	57	35	50
Wallingford	.282	.310	.295	Aug. 11	.918	Nov. 20	.000		86	62	81	45	16	00
NEW YORK—														
New York city	.298	.324	.306	July 13	1.050	Jan. 18	.000		71	60	68	00	00	03
NEW JERSEY—														
Bloomfield	.318	.391	.338	July 14	1.042	Jan. 17	.011		82	66	83	25	09	42
PENNSYLVANIA—														
Chromedale	.316	.338	.319	Aug. 14	.901	April 2	.001		85	63	82	15	21	29
Easton	.285	.295	.298	Aug. 14	.875	Jan. 24	.020?		81	57	78	40	20	41
Norristown	.298	.318	.310	Aug. 15	.850	Jan. 22	.000		81	60	76	39	00	31
Philadelphia	.316	.334	.335	Aug. 14	.908	Jan. 22	.023		75	57	72	41	26	37
MARYLAND—														
Annapolis	.346	.368	.368	Aug. 18	.976	Jan. 23	.017		82	63	76	45	29	34
Frederick	.318	.352	.341	Aug. 4	.942	April 6	.000		79	63	78	00	14	17
NORTH CAROLINA—														
Murfreesborough	.441	.352	.478	June 9	1.187*e*	Jan. 23	.036		89	75	87	18	38	44
SOUTH CAROLINA—														
All Saints	.468	.508	.505	Aug. 16	1.016	Jan. 23	.040		84	68	82	33	28	29
Camden	.406	.426	.424	Aug. 15	.983	Jan. 20	.044		84	56	78	34	14	23
Charleston, [Dawson] (*f*)														
GEORGIA—														
Savannah	.454	.469	.483	Aug. 15	.930	Jan. 19	.046		80	56	76	31	07	22
ALABAMA—														
Carlowville	.417	.605	.450	June 27	1.698	Jan. 12	.012		76	70	75	11	21	22
Greensborough (*g*)	.367	.371	.389	July 27	.875	Jan 17	.040		78	54	73	25	16	13
MISSISSIPPI—														
Columbus	.410	.435	.437	Sept. 14	.956	Jan. 18	.053		84	56	78	31	20	31
TEXAS—														
Austin	.436	.411	.432	Sept. 28	.877	Jan 12	*h*. 000		80	87	65	30	00	22
TENNESSEE—														
Glenwood	.355	.380	.385	Aug. 12	1.065	Jan. 19	.025		84	60	89	22	13	35
KENTUCKY—														
Springdale	.291	.400	.381	July 15	1.283	Jan. 13	*i*. 000		83	64	77	00	00	00
OHIO—														
Cincinnati, [Harper]	.338	.400	.361	Aug. 14	1.241	Nov. 23	.000		78	64	71	47	22	27
Hillsborough	.333	.356	.345	Aug. 17	.914	Jan. 23	.026		93	71	87	29	29	39
Perrysburg	.310	.369	.321	Sept. 15	.983	Feb. 10	*j*. 000		83	71	81	00	00	00
INDIANA—														
New Harmony	.357	.401	.408	Aug. 10	1.016	Jan. 19	.025		81	65	85	40	18	37
ILLINOIS—														
Manchester	.328	.420	.356	Aug. 14	1.160	Jan. 18	.017		94	77	94	48	35	25

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a According to the Smithsonian tables.
b According to tables used by the observer.
c Same amount February 2d and 11th.
d Same amount January 19th.
e Same amount June 14th and 16th.
f Mean force of vapor .511; obtained approximately from the mean dew point.
g For 11 months only; August wanting.
h Same amount April 23d.
i Same amount January 20th, 22d, and 23d, and February 14th.
j Same amount January 19th and 31st.

No. 53.--PSYCHROMETER—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7a.m.	2p.m	9p.m	7a.m.	2p.m.	9p.m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Peoria	.304	.324	.324	July 26	.952	Jan. 21	*a*. 021	84	58	79	33	22	33
MISSOURI—													
St. Louis	.323	.349	.341	Aug. 8	1.090	Jan. 7	.007	79	60	75	05	01	04
WISCONSIN—													
Appleton	.241	.306	.259	July 5	1.124	Nov. 22	*b*. 000	71	64	74	00	00	00
Madison, [Sterling]	.244	.248	.255	July 15	.915	Feb. 10	*c*. 000	64	58	70	00	00	00
IOWA—													
Muscatine	.357	.403	.398	July 16	1.111	Jan. 19	.010	81	78	82	29	34	53
CALIFORNIA—													
San Francisco	.354	.396	.378	Aug. 8	.597	Nov. 11	.139	87	68	88	37	22	48

a Same amount January 22d.
b Same amount January 17th, 18th, 19th, 21st, 23d, 24th, and 25th, and February 2d.
c Same amount January 22d and 23d.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	71	176	9	25	114	246	255	159	42	1097	57	151	8	28	110	222	197	127	900
St. John's	109	157	37	52	128	106	185	321	0	1095	----	----	----	----	----	----	----	----	----
St. Martin	3	231	15	178	33	381	59	195	0	1095	----	----	----	----	----	----	----	----	----
Stanbridge	55	93	63	222	296	51	174	67	73	1094	----	----	----	----	----	----	----	----	----
Toronto	32	160	30	116	25	292	31	315	94	1095	----	----	----	----	----	----	----	----	----
Wolfville	21	71	82	60	45	170	267	162	198	1076	24	63	47	58	36	190	256	125	799
MAINE—																			
Cornish, [Guptill]	59	69	36	125	130	127	136	408	0	1090	----	----	----	----	----	----	----	----	----
Cornish, [West] (*a*)	66	139	90	64	74	297	222	143	0	1095	14	7	2	2	7	51	55	62	200
Gardiner (*b*)	21	173	26	135	27	166	38	229	181	1096	13	34	2	24	19	139	20	115	366
Monson	69	77	56	78	194	62	114	406	39	1095	----	----	----	----	----	----	----	----	----
Perry	63	75	19	143	99	226	68	399	1	1093	67	36	13	38	47	120	95	138	554
Portland	143	148	78	75	181	133	174	161	0	1093	27	9	5	8	37	63	124	65	338
Steuben	26	264	9	64	2	405	46	241	38	1095	27	80	9	14	3	202	103	99	537
NEW HAMPSHIRE—																			
Concord	14	186	14	154	12	207	13	378	60	1038	----	----	----	----	----	----	----	----	----
Francestown, [Bixby] (*b*)	51	86	37	118	17	142	170	335	13	969	31	57	69	71	7	95	291	215	836
Manchester	36	44	64	103	85	144	185	199	3	863	20	37	50	112	40	132	183	51	625
North Barnstead	35	175	2	69	7	150	167	480	0	1085	23	95	17	72	21	103	157	219	707
VERMONT—																			
Brandon	216	8	22	85	375	99	83	137	55	1080	43	8	7	14	31	109	121	208	541
Craftsbury	56	112	36	64	348	145	132	177	21	1091	50	29	6	17	73	117	235	183	710
Rupert (*c*)	----	----	----	----	----	----	----	----	----	------	99	497	65	73	65	35	17	55	906
Shelburn	280	9	5	3	589	37	12	101	0	1036	13	65	86	102	4	1	1	0	272
MASSACHUSETTS—																			
Amherst	35	60	29	259	52	151	54	386	0	1026	11	25	17	28	8	100	73	136	398
Cambridge	42	108	67	44	37	292	147	189	164	1090	----	----	----	----	----	----	----	----	----
Florida	2	83	15	104	38	221	128	497	7	1095	3	83	15	100	35	215	126	353	930
Lawrence	14	132	52	128	23	291	55	310	8	1013	----	----	----	----	----	----	----	----	----
Mendon	4	195	26	24	40	469	19	318	0	1095	6	171	28	28	45	359	25	193	855
Nantucket	40	156	44	117	77	295	81	222	59	1091	----	----	----	----	----	----	----	----	----
New Bedford (*d*)	43	140	21	88	54	315	61	276	5	1003	16	13	8	7	6	45	69	67	231
Newburyport	63	77	80	49	161	79	233	146	0	888	----	----	----	----	----	----	----	----	----
Westfield	90	73	81	175	70	114	216	254	0	1073	----	----	----	----	----	----	----	----	----
Weymouth	21	66	23	91	35	212	44	238	0	730	----	----	----	----	----	----	----	----	----
Worcester	94	81	96	52	76	203	311	143	0	1056	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	20	115	51	58	101	167	72	261	249	1094	7	76	22	17	64	109	59	197	551
New London	57	135	50	111	78	339	106	219	0	1095	----	----	----	----	----	----	----	----	----
Norwich	18	199	17	100	66	217	65	139	270	1091	----	----	----	----	----	----	----	----	----
Pomfret	48	172	26	64	130	226	44	362	0	1072	21	124	16	44	82	158	30	172	647
Saybrook	80	121	71	101	72	195	129	146	78	993	17	26	31	10	25	86	107	70	372
Wallingford	128	115	23	86	158	152	77	244	105	1088	18	56	13	20	12	144	177	92	532
NEW YORK—																			
Baldwinsville	36	25	121	33	29	157	357	285	0	1043	11	18	17	7	9	40	429	209	740
Cazenovia	37	19	33	87	140	187	184	350	39	1076	19	10	16	61	74	156	281	252	869
Clinton	125	305	191	220	71	57	58	64	2	1093	52	12	27	23	68	154	214	125	675
Flatbush	88	129	79	79	176	123	207	214	0	1095	25	32	33	24	29	85	153	111	492
Morrisania	91	76	90	196	181	154	201	89	0	1078	----	----	----	----	----	----	----	----	----
New York city	22	165	38	160	17	172	304	217	0	1095	11	36	61	68	10	214	336	49	785
Nichols	146	4	9	35	176	23	43	31	20	487	----	----	----	----	----	----	----	----	----
Oswego	66	80	64	127	233	97	320	70	37	1094	----	----	----	----	----	----	----	----	----
Ovid	75	36	27	112	220	199	221	205	0	1095	32	15	19	26	92	241	234	193	852
Rochester, [Harkness]	33	145	25	117	82	178	58	334	0	972	----	----	----	----	----	----	----	----	----
Rochester, [Palmer]	128	74	38	66	160	214	270	141	0	1091	54	48	27	31	80	121	255	177	793
Sag Harbor	67	112	92	82	216	158	163	154	7	1051	15	30	9	5	29	131	119	58	396
Saratoga	22	160	15	93	55	397	88	229	0	1059	34	155	16	94	60	388	97	215	1059
Spencertown (*e*)	201	40	16	83	249	139	63	241	0	1032	75	17	17	21	69	106	113	243	661
Wampsville	6	8	103	43	272	49	587	26	0	1094	7	6	102	41	215	50	505	25	951

a Motion of clouds for 11 months only; November wanting.
b For 11 months only; July wanting.
c For 11 months only; February wanting.
d For 11 months only; April wanting.
e Motion of clouds for 11 months only; December wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	15	153	3	59	41	430	64	292	1	1058									
Burlington	89	130	146	75	62	160	227	139	14	1042	30	32	30	15	50	116	159	91	523
Lambertville	107	30	58	20	189	44	287	41	319	1095									
Newark	38	143	27	73	30	183	49	186	3	732									
Sergeantsville	51	77	116	101	84	155	308	102	1	995	32	69	96	68	50	131	115	52	613
PENNSYLVANIA—																			
Bedford	3	12	0	115	4	286	54	393	0	867	5	13	0	69	4	224	57	242	614
Cannonsburg	4	30	193	18	8	101	597	90	46	1087									
Chromedale	69	165	47	93	68	67	50	259	277	1095	17	27	27	21	20	141	173	128	554
Easton	67	62	58	117	82	40	240	224	165	1055	27	22	24	31	39	102	175	145	565
Fleming	40	30	89	161	56	125	141	402	48	1092	38	6	42	18	29	72	270	206	681
Gettysburg	98	90	46	19	182	232	159	154	95	1075	30	39	18	14	66	175	241	129	715
Harrisburg, [Heisely]	67	24	54	220	118	23	159	402	0	1067	18	3	6	46	45	17	92	165	392
Lewisburg	76	42	27	78	93	168	136	149	229	998	29	6	26	17	35	96	100	84	393
Meadville (*a*)	25	4	7	32	176	73	92	168	390	967	24	5	7	11	26	137	190	122	522
Morrisville	29	138	79	82	94	246	124	163	126	1091	17	99	40	44	32	232	142	105	711
Nazareth	104	100	22	48	74	110	219	102	141	920	32	8	6	9	38	65	94	49	301
Norristown	6	29	102	116	64	165	358	100	0	940	3	23	92	37	15	135	337	53	695
North Whitehall (*b*)	52	54	76	18	58	80	100	141	511	1090	28	20	27	5	39	66	124	74	383
Philadelphia	24	153	45	101	56	310	140	266	0	1095	2	18	12	9	11	87	67	50	256
Pocopson	87	101	38	43	118	283	274	92	10	1046	18	25	8	6	32	117	134	37	377
Shamokin	37	13	92	47	143	153	537	73	0	1095	13	8	3	1	4	46	667	47	789
Tarentum	85	18	26	26	71	216	105	132	410	1089	43	14	3	14	30	170	354	162	790
West Haverford (*c*)	21	48	45	39	46	173	72	181	45	670	22	18	17	5	10	94	151	119	436
DELAWARE—																			
Newark	39	147	59	90	42	164	97	316	0	954	10	66	29	43	22	68	45	95	378
MARYLAND—																			
Annapolis	148	204	14	104	201	174	62	135	53	1095	32	19	1	6	44	248	20	13	383
Frederick	40	109	13	37	70	154	184	224	241	1022	21	7	9	12	40	43	330	60	522
Sykesville	53	80	49	151	108	210	295	149	0	1095	6	24	77	61	23	91	483	23	788
VIRGINIA—																			
Alexandria	113	169	33	71	235	99	72	271	2	1065									
Berryville	86	88	56	101	130	169	195	205	33	1063	60	18	17	17	37	141	198	38	571
Crichton's Store (*d*)	251	55	34	29	163	325	117	77	20	1071	1	0	0	2	11	169	68	1	252
Lewisburg											8	9	19	8	16	62	232	33	387
Portsmouth	131	192	56	95	81	228	100	207	1	1091									
Rose Hill	89	134	54	77	84	182	66	76	158	920									
Rougemont (*e*)	84	44	80	14	267	118	223	70	45	945	49	7	30	6	72	88	277	33	562
Smithfield (*f*)	101	118	95	62	184	160	112	112	0	944	42	41	33	25	37	89	214	105	586
Wirt Court-House	13	42	2	98	25	375	9	260	202	1026	2	25	3	42	11	582	14	156	835
NORTH CAROLINA—																			
Chapel Hill	125	142	52	19	103	182	311	143	0	1077	19	57	19	11	70	291	92	36	595
Murfreesborough	39	147	47	109	62	239	136	115	138	1032	27	78	20	25	31	130	241	44	596
SOUTH CAROLINA—																			
All Saints	142	170	67	76	173	239	139	85	2	1093	41	96	30	25	63	218	274	40	817
Camden	74	233	20	80	32	268	100	213	75	1095	21	80	19	32	15	198	193	114	672
Charleston, [Dawson]	8	238	43	95	16	174	15	140	0	729									
Charleston, [Johnson]	29	113	12	36	15	89	12	71	16	393									
GEORGIA—																			
Savannah (*g*)	106	156	91	136	188	159	71	172	0	1079	2	0	1	5	6	17	31	2	64
Sparta	41	223	68	133	68	232	82	232	0	1079	16	48	22	46	44	163	147	87	573
The Rock	101	110	115	148	62	99	141	315	0	1091									
Zebulon	38	128	266	92	23	80	304	164	0	1095	42	33	35	25	51	64	84	74	408
FLORIDA—																			
Atsena (*h*)	116	186	95	67	52	103	125	101	48	893	36	72	49	45	26	86	64	53	431
Belair	88	174	180	124	61	43	48	78	172	968	8	28	31	69	19	167	190	97	609
St. Augustine	59	430	59	157	5	98	11	276	0	1095	33	307	36	137	3	117	24	181	838
Salt Ponds	133	145	129	169	20	14	26	79	15	730									

a For 11 months only; July wanting.
b Motion of clouds for 11 months only; January wanting.
c For 11 months only; April wanting.
d Motion of clouds for 11 months only; April wanting.
e For 11 months only; January wanting.
f For 11 months only; February wanting.
g Motion of clouds for 11 months only; July wanting.
h For 11 months only; September wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ALABAMA—																			
Auburn	89	46	107	145	183	112	185	108	0	1075	26	49	35	91	141	158	71	51	622
Carlowville	172	107	73	78	195	137	170	153	0	1085	9	2	8	32	61	46	91	5	254
Greene Springs	45	189	88	73	23	240	53	102	46	859	3	5	9	19	31	110	40	27	244
Greensborough	139	31	24	212	101	65	63	266	0	901	19	3	6	47	44	36	266	46	467
MISSISSIPPI—																			
Columbus	156	87	160	135	163	107	106	176	4	1094	39	21	28	39	60	128	164	117	596
LOUISIANA—																			
Black River	344	85	39	144	319	45	19	83	14	1092	55	27	14	26	103	174	59	75	533
TEXAS—																			
Austin	299	62	49	109	421	18	54	64	15	1091	128	55	20	94	253	75	81	113	819
Washington	616	2	1	2	287	7	13	12	118	1058	134	80	27	32	78	18	6	15	390
TENNESSEE—																			
Glenwood	106	111	36	159	153	119	67	140	204	1095	37	44	19	32	42	176	331	114	795
KENTUCKY—																			
Paris	55	102	30	106	102	308	164	219	0	1086	24	4	18	0	103	49	304	5	507
Springdale	36	98	73	22	102	262	106	116	280	1095	----	----	----	----	----	----	----	----	----
OHIO—																			
Cincinnati, [Harper]	82	24	76	37	80	310	310	176	0	1095	----	----	----	----	----	----	----	----	----
Cleveland	114	65	24	132	244	131	150	150	50	1060	41	16	6	9	35	119	180	64	470
Hillsborough	14	193	10	122	42	379	20	271	4	1055	6	25	0	12	8	152	20	98	321
Hiram	104	54	41	60	188	277	139	137	81	1081	41	17	11	17	36	121	190	91	524
Jefferson	16	40	1	76	26	515	50	368	0	1092	----	----	----	----	----	----	----	----	----
Madison, [Atkins] (*a*)	32	73	21	107	127	120	208	76	147	911	13	10	8	12	19	49	76	26	137
Madison, [Cunningham]	18	115	30	101	93	262	152	119	173	1063	34	59	6	21	27	345	230	126	848
Savannah	29	46	4	127	13	371	187	318	0	1095	26	39	1	87	11	304	149	219	836
Urbana	17	52	32	113	82	180	121	98	375	1070	25	39	8	7	45	158	326	107	715
MICHIGAN—																			
Battle Creek	66	56	79	71	140	191	232	111	148	1094	41	33	7	4	17	185	419	135	841
Cooper	25	4	36	1	10	29	518	19	449	1091	1	4	29	10	4	45	347	45	485
Grand Rapids, [Currier]	20	191	42	104	25	318	82	97	201	1080	12	28	2	14	12	113	64	40	285
Grand Rapids, [Streng]	4	109	86	89	102	254	226	125	0	1095	81	66	41	34	46	181	389	114	952
Monroe (*a*)	76	39	44	127	32	277	62	285	7	949	57	43	35	112	29	263	41	260	840
INDIANA—																			
Logansport	152	61	63	59	58	185	280	232	0	1095	----	----	----	----	----	----	----	----	----
Michigan City	193	119	26	96	200	215	109	155	40	1153	----	----	----	----	----	----	----	----	----
New Harmony	120	15	67	124	129	116	164	140	0	875	----	----	----	----	----	----	----	----	----
Richmond (*b*)	18	50	36	34	48	204	134	72	275	871	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Augusta	41	97	100	133	100	192	199	167	66	1095	26	36	30	31	47	85	149	86	490
Brighton	40	116	39	107	152	310	108	215	1	1088	7	28	10	27	52	160	55	88	427
Fremont Centre	48	111	75	113	177	214	253	104	0	1095	----	----	----	----	----	----	----	----	----
Manchester	67	61	41	25	264	223	264	146	3	1094	42	31	25	12	145	169	187	87	698
Marengo	8	59	83	201	115	456	136	34	0	1092	----	----	----	----	----	----	----	----	----
Ottawa	74	117	71	94	89	186	182	159	30	1002	14	11	3	5	10	64	47	46	200
Pekin	124	86	48	52	260	112	71	185	84	1022	----	----	----	----	----	----	----	----	----
Peoria	115	108	145	39	231	73	329	55	0	1095	21	7	16	4	14	21	96	19	198
Riley	63	60	69	85	109	122	185	180	164	1037	----	----	----	----	----	----	----	----	----
West Salem	75	74	50	77	224	87	93	156	259	1095	20	7	3	2	22	151	343	54	396
MISSOURI—																			
St. Louis	82	98	132	168	130	131	236	118	0	1095	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	73	238	13	36	58	388	106	158	16	1086	68	227	24	33	62	343	89	171	1017
Beloit	220	61	33	75	278	180	120	127	0	1094	18	6	3	1	23	27	35	14	127
Madison, [Sterling (*c*)]	87	45	22	68	188	229	90	162	34	925	----	----	----	----	----	----	----	----	----
Manitowoc	133	67	53	118	130	186	174	234	0	1095	----	----	----	----	----	----	----	----	----
Milwaukee, [Pomeroy]	70	133	171	167	41	139	132	162	0	915	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	58	158	108	164	33	155	191	228	0	1095	----	----	----	----	----	----	----	----	----
New London	179	33	26	17	62	300	279	196	0	1092	127	39	11	6	38	161	247	193	822

a For 11 months only; June wanting.
b For 11 months only; September wanting.
c For 11 months only; January wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1857.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—																			
Fort Madison	26	132	11	166	43	369	42	288	15	1092	29	35	14	23	33	163	281	119	697
Franklin	108	45	49	86	223	100	159	186	138	1094	----	----	----	----	----	----	----	----	----
Muscatine	31	148	15	247	66	293	61	234	0	1095	0	34	1	20	1	168	14	64	302
Pleasant Plain	70	95	73	122	148	202	103	219	32	1064	12	10	3	8	11	98	134	154	430
MINNESOTA—																			
Hazlewood (*a*)	59	40	23	82	217	63	60	417	6	967	31	17	18	25	41	9	46	39	226
Princeton	133	53	69	82	123	83	169	107	244	1063	55	21	36	28	67	40	164	55	465
CALIFORNIA—																			
Sacramento	176	29	51	245	219	168	23	184	0	1095	9	10	3	65	49	139	20	41	336
San Francisco	83	7	0	13	82	17	352	11	517	1092	47	11	5	7	75	107	303	45	600
SOUTH AMERICA—																			
Catharina Sop'a,Sur. (*b*)	59	374	196	213	84	23	4	12	1	966	6	118	297	295	10	6	2	7	741

a For 11 months only; July wanting.

b For 11 months only; March wanting.

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1858.

NO. 1.—LIST OF STATIONS AND OBSERVERS, 1858.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet*		
Aiken, S. C.	33 32	81 34	565	12	John H Cornish.
Alachua County, Fa. (*a*)	29 30	82 26	184	12	James B. Bailey.
Alexandria, Va.	38 48	77 01	56	6	Benjamin Hallowell.
Alligator, Fa.	30 12	82 37	174	12	E R. Ives.
All Saints, S. C. (*b*)	33 40	79 17	20	12	Rev. A Glennie.
Amherst, Mass.	42 22	72 34	267	12	Prof E. S. Snell.
Angelica, N. Y.	42 15	78 01	1,500	2	Dr. E. M Alba.
Annapolis, Md.	38 58	76 29	20	12	Wm. R Goodman.
Appleton, Wis.	44 10	88 35	800	12	Prof. R. Z. Mason.
Asheville, N. C.	35 37	82 29	2,250	10	W. W. McDowell.
Ashland, Va. (*c*)	38 38	81 57	?	1	Samuel Couch.
Athens, Ga.	33 58	83 30	850	10	Prof. J. D. Easter.
Athens, Ill.	39 52	89 56	?	12	Joel Hall.
Atsena, Fa.	29 07	83 02	12	12	Hon. Augustus Steele.
Auburn, Ala.	32 37	85 34	821	1	Prof. John Darby.
Augusta, Ga.	33 28	81 54	1,470	2	William H. Doughty.
Augusta, Ill.	40 12	90 58	203 *d*	12	Dr S. B. Mead.
Aurora, Ill.	41 40	88 16	600	12	A J. Babcock.
Austin, Texas.	30 20	97 46	650	12	J. Van Nostrand.
Austin, Texas.	30 15	97 47	?	12	Swante Palm.
Avon, Ohio.	41 27	82 04	840	3	Rev. L. F. Ward.
Baldwinsville, N. Y.	43 04	76 41	?	12	John Bowman.
Baltimore, Md.	39 18	76 37	?	12	Prof. Alfred M. Mayer.
Bardstown, Ky.	37 52	85 18	?	12	John H. Lunemann.
Batavia, Ill.	41 52	88 20	?	12	Thompson Mead.
Batavia, Ill.	41 52	88 26	636	7	E. Capon.
Battle Creek, Mich.	42 20	85 10	750	12	Dr. W M. Campbell.
Bay City, Wisconsin	46 33	91 00	658	12	Dr. Edwin Ellis.
Bayfield, Wis.	46 18 ?	90 50 ?	?	4	J. Harvey Nourse.
Beaver Bay, Minn.	47 12	91 19	657	2	Thomas Clarke.
Bedford, Pa.	40 01	78 30	?	10	Samuel Brown.
Belair, Fa.	30 24	84 20	70	12	Benjamin F. Whitner.
Bellefontaine, Ohio.	40 21	83 40	1,031	12	Joseph Shaw.
Bellefonte, Pa.	40 50	77 49	?	2	J R. Burrell.
Bellevue, Iowa	42 15	90 25	?	12	John C Fory.
Bellevue, Neb.	41 08	95 50	?	12	William Hamilton.
Beloit, Wis.	42 30	89 04	750	12	Prof. William Porter.
Bellport, N. Y.	40 44	72 54	?	12	Henry W. Titus.
Berryville, Va.	39 11	78 09	575	12	Dr. R. Kownslar.
Berwick, Pa.	41 05	76 15	588	12	John Eggert.
Beverly, N. Y. (*e*)	41 22	74 00	180	12	Thomas B. Arden.
Black River, La.	31 30	91 46	108	11	Dr. Andrew R. Kirkpatrick.
Bladensburg, Md.	38 57	76 58	?	12	B. O. Lowndes.
Bloomfield, N J.	40 49	74 11	120	9	Robert L. Cooke.
Border Plains Iowa	42 36	94 05	?	12	Wm. K Goss.
Bowling Green, Ohio.	41 27	83 45	700	12	Dr. W. R. Peck
Bradford, Vt.	44 11 ?	72 25 ?	?	3	L. W. Bliss.
Brandon, Vt.	43 45	73 00	?	12	David Buckland.
Bridgewater, Mass.	42 00	71 00	142	11	Charles W Felt.
Brighton, Ill (*f*)	39 00	90 13	?	12	Wm. V. Eldredge.
Brownville, Neb.	40 30	96 00	?	8	Charles B. Smith.
Buchanan, Minn.	47 33	92 00	?	5	Stephen Walsh.
Buffalo, N Y.	42 50	78 56	600	12	William Ives.
Buffalo, Va.	38 40	82 11	?	4	W. R. Boyers.
Burlingame, Kansas.	38 42	95 50	?	12	Edmund Fish.

* For the different names by which in some cases the same place is designated by the observers, see General List of Stations in the introduction.

a Gainesville. *c* Near Buffalo. *e* Phillipstown.
b Waccamaw. *d* Above low water at Quincy, Ill. *f* Piasa Farms.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1858.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Burlington, Vt	44 27	73 10	367	12	McK. Petty.
Burlington, N. J	40 00	75 12	26	2	Dr. E. R. Schmidt.
Burlington, Minn	47 01	92 30	645	11	A. A. Hibberd.
Byberry, Pa	40 06	74 58	?	2	John Comly.
Camanche, Iowa	41 48	90 15	?	4	Nathan H. Parker.
Cambridge, Mass	42 22	71 07	71	12	Prof. W. C. Bond.
Cannelton, Ind	37 58	86 40	450	9	Hamilton Smith.
Cannonsburg, Pa	40 25	80 07	936	12	Prof. Wm. Smith.
Canton, Mass	42 12	71 08	90	1	D. H. Ellis.
Cape Girardeau, Mo	37 20	89 34	?	1	Rev. James Knoud.
Carlisle, Pa	40 12	77 11	500	4	Prof. W. C. Wilson.
Carlowville, Ala	32 10	87 15	300	9	Dr. H. L. Alison.
Caraccas, Venezuela, S. A.	10 31 S.	67 05	?	2	Augustus Fendler.
Carthage, Ill	40 23	91 17	?	5	Mrs. E. M. Bell.
Catharina Sophia, Surinam, S. A.	5 48	56 47	?	12	C. T. Hering.
Cayuga, Kansas	39 25 ?	94 58 ?	?	1	William H. Gilman.
Cazenovia, N. Y	42 55	75 46	1,260	12	Aaron White.
Centre Signal Station, Bermuda, W. I.	?	?	?	4	James Crawford.
Chambersburg, Pa	39 58	77 45	?	6	William Heyser.
Chanarcillo, Chilé, S. A.	27 28 S.	70 28	3,860	2	Edward B. Dorsey.
Chapel Hill, N. C	35 54	79 17	?	12	Prof. James Phillips, D. D.
Charleston, S. C	32 46	80 00	30	12	Dr. Joseph Johnson.
Charleston, S. C	32 46	80 00	?	12	Dr. J. L. Dawson.
Chestertown, Md	39 14	76 02	?	11	Prof. A. W. Clarke.
Chromedale, Pa. (*a*)	39 55	75 25	196	7	Joseph Edwards.
Cincinnati, Ohio	39 06	84 27	?	12	G. W. Harper.
Cincinnati, Ohio	39 06	84 27	575	6	F. W. Hurtt.
Claremont, N. H	43 29	72 22	536	1	F. N. Freeman.
Cleveland, (near,) Ohio	41 30 ?	72 22 ?	665 ?	12	Edward Colburn.
Cleveland, Ohio	41 30	81 40	665	12	Gustavus A. Hyde.
Clinton, N. Y	43 00	75 20	500	12	Dr. H. M. Paine.
College Hill, Ohio (*b*)	39 19	84 25	800	1	Prof. J. H. Wilson.
Collingwood, Ohio	41 49	83 34	?	12	Henry Bennett.
Columbia, Ct	41 42	72 16	?	12	Wm. H. Yeomans.
Columbia, S. C	34 00	81 07	295	9	C. C. Tew.
Columbus, Miss	33 30	88 29	227	12	James S. Lull.
Concord, N. H	43 12	71 29	378	9	Henry E. Sawyer.
Concord, N. H	43 12	71 29	374	1	E. P. Colby.
Cooper, Mich	42 40	85 31	?	12	Mrs. Octavia C. Walker.
Cordova, Mexico	19 26	97 51	860	12	J. A. Hieto.
Cornish, Maine	43 40	70 44	800	12	G. W. Guptill.
Cornish, Maine	43 40	70 44	?	12	Silas West.
Covert, N. Y. (*c*)	42 40	76 50	700	10	John Lefferts.
Craftsbury, Vt	44 40	72 30	1,100	12	James A. Paddock.
Crichton's Store, Va (*d*)	36 40	77 46	500	12	R. F. Astrop.
Cross Creek, Va	40 19 ?	80 31 ?	?	2	B. D. Sanders.
Danvers, Mass	42 35	71 03	?	1	A. W. Mack.
Danville, Ky	37 40	84 30	950	8	O. Beatty.
Davidson College, N. C	35 30	80 54	850	12	W. C. Kerr.
Dayton, Ohio	39 44	84 10	?	7	S. Groneweg.
Detroit, Mich	42 24	82 58	597	9	L. S. Horton.
Dexter, Maine	44 55	69 32	?	8	Benjamin F. Wilbur.
Dubuque, Iowa	42 30	90 52	1,258	12	Dr. Asa Horr.
East Exeter, Maine	45 00	69 00	190	2	Stephen Gilman.
Easton, Pa	40 43	75 16	320	12	G. R. Houghton.
Eden, N. Y. (*e*)	42 30	79 07	700	11	Anna S. Landon.
Edgar Co., Illinois	39 30	88 36 ?	?	5	J. W. Brown.
Edgington, Ill	41 25	90 46	?	12	Dr. E. H. Bowman.
Edinburg, Ohio	41 20	81 00	520	12	Smith Sanford.
Elgin, Ill	42 00	88 15	600	12	J. B. Newcomb.
Elkhorn, Neb	42 22	96 12	800	9	Anna M. J. Bowen.

a Near Lima.
Farmer's College.
c Lodi, Townsendville
d Genito Mills.
Brown Cottage.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1858.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Fet.*		
Evansville, Ind	38 08	87 29	390	9	John F. Crisp.
Evanstown, Ill	42 00	87 51	603	3	H. G. Meacham.
Fairfield, Iowa	41 01	91 57	940	12	Dr. J. M. Shaffer.
Fishkill, N. Y	41 34	74 18	42	12	Wm. H. Denning.
Flatbush, N Y	40 37	74 01	54	12	Rev. R. D. Van Kleek.
Fleming, Pa	40 55	77 53	780	12	Samuel Brugger.
Florida, Mass	42 42	73 10	2,500	12	L. F. Whitcomb.
Fordham, N. Y	40 54	74 03	147	9	Dr. Stillman Spooner.
Forest City, Minn	45 45	96 00	?	7	A C. Smith.
Forestville, Mich	43 40	82 34	?	2	Lieut. C. N. Turnbull.
Fort Edward, N. Y	43 13	73 42	?	12	Prof. Solomon Sias.
Fort Gratiot, Mich	42 60	82 25	?	1	Lieut. C. N. Turnbull.
Fort Madison, Iowa	40 37	91 28	?	12	Daniel McCready.
Fort Simpson, British America	61 51	121 25	-------	10	Bernard R. Ross.
Fort Snyder, Oregon	42 00	?	8,011	1	James A. Snyder.
Fort Thompson, Oregon	42 58	108 56	?	1	W. H. Wagner.
Fort Union, Dacotah Territory	48 00	104 00	-------	1	F. G. Riter.
Francestown, N. H	42 59	71 45	?	5	A. H. Bixby.
Franklin, Iowa	42 45	92 11	?	9	Dexter Beal.
Frederick, Md	39 24	77 18	?	12	Henry E. Hanshew.
Freehold, N. J	40 15	74 21	?	12	B F. Simpson and O. R. Willis.
Fremont Centre, Ill	42 18	88 06	736	3	Isaac H. Smith.
Gallipolis, Ohio	39 00	82 01	520	12	A. P. Rogers.
Gardiner, Maine	44 11	69 46	90	12	R. H. Gardiner.
Gaston, N. C (*a*)	36 32	77 45	?	12	Dr. G. F. & J. A. Moore.
Georgetown, Del	38 43	75 22	?	12	D. W. Mauld.
Gettysburg, Pa	39 51	77 15	?	12	Prof M. Jacobs.
Gilbert's Trading Post, Neb	42 28	103 40	-------	1	O. H. Miller.
Glenwood, Tenn (*b*)	36 28	87 13	481	12	Prof Wm M. Stewart.
Goldsborough, N. C	35 20	77 51	?	3	Rev. Daniel Morrelle.
Goliad, Texas	28 40	97 35	50	12	John C Brightman.
Grand Rapids, Mich	43 00	86 00	852	3	A. O. Currier.
Grand Rapids, Mich	43 00	86 00	852	12	L. H. Streng.
Great Salt Lake City, Utah	40 45	111 26	4,250	3	W. W. Phelps.
Green Bay, Wis	44 30	88 00	584	8	D. Underwood.
Greene Springs, Ala. (*c*)	32 50	87 46	?	12	Prof. H. Tutwiler.
Greensborough, Ala	32 40	87 40	350	11	Robert B. Waller.
Guatemala, Central America	14 37	30 30	4,961	12	?
Hamilton, Canada	43 15	79 57	?	12	Dr William Craigie.
Harrisburg, Pa	40 16	76 50	?	12	Dr. John Heisely.
Harrisburg, Pa	40 16	76 55	?	12	W O. Hickok.
Hartwood, Va	38 15	77 34	350	12	Abram Van Doren.
Hazlewood, Minn	45 00	95 30	?	12	Rev. S. R. Riggs.
Hibernia, Fa	30 15	81 30	15 ?	1	L F. Batchelder.
Hillsborough, Ga	33 13	83 45	566	6	Eli S. Glover.
Hillsborough, Ohio	39 13	83 30	1,000	12	J. McD. Mathews.
Hillsborough, Ill	39 12	89 26	?	3	John S. Titcomb.
Hiram, Ohio	41 20	81 15	675	12	S. M. Luther.
Holiday's Cove, Va	40 22 ?	80 31 ?	?	3	R. B. Sanders.
Houseville, N. Y	43 40	75 32	-------	9	Walter D. Yale.
Hudson, Ohio	41 15	81 24	1,137	5	C. A. Young & E. W. Childs.
Huntsville, Texas	----------	----------	-------	12	T. Gibbs.
Iowa City, Iowa	41 39	91 33	?	9	Dr. William Reynolds.
Jackson, Jackson County, Ohio	39 10	82 32	666	6	Moses Gilmor.
Jackson, Monroe County, Ohio	39 34	80 56	540	9	Enoch D. Johnson.
Jacksonville, Fa	30 30	82 00	13	12	Dr. A S. Baldwin.
Jacksonville, Ill	39 30	90 06	?	11	Timothy Dudley.
Janesville, Wis	42 42	89 91	768	11	J. F. Willard.
Jefferson, Ohio	42 00	81 00	?	12	James D. Herrick.
Jerusalem, Palestine	31 47	35 13	2,610	4	Dr. R. G Barclay.
Kanawha, Va	38 53	81 25	?	8	W. C. Reynolds.
Kenosha, Wis	42 35	87 50	600	12	Rev. John Gridley.

a Green Plains. *b* Clarkesville. *c* Havana.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1858.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Laconia, N. H. (*a*)				12	Josiah B. French.
Lake Village, N. H. (*b*)				12	Josiah B. French.
Lake, N. Y.	43 15	73 33	?	11	Peter Reid.
Lambertville, N. J.	40 23	74 56	2	12	L. H. Parsons.
Lancaster, Ohio	39 40	82 49	?	9	H. W. Jaeger.
Lansing, Mich.	42 44	77 30	750 ?	2	J. C. Holmes.
Lapham, Minn.	46 10	96 00	850	9	Samuel Locke & F. McMullin.
Larissa, Texas	31 45	95 50	755	12	F. L. Yeakum.
Lawrence, Mass.	42 42	71 11	?	12	John Failon.
Lawrence, Kansas	38 58	95 12	800	12	G. W. Brown.
Leavenworth City, Kansas	39 19	94 33	787	9	E. L. Berthoud.
Leavenworth City, Kansas	39 20	94 33	1,342	12	H. D. McCarty.
Leitersburg, Md.	39 35	77 30	?	7	Jacob E. Bell.
Leonardtown, Md.	38 17	76 43	?	3	Dr. A. McWilliams.
Lewinsville, Va.	38 56	80 01	180	7	Rev. Charles B. Mackee.
Lewisburg, Pa.	40 58	76 58	?	12	Charles S. James.
Lewisburg, Va.	38 00	80 00	2,000	10	Dr. Thomas Patton.
Linden, Pa.	41 10	77 11	?	2	James Barrett.
Lind, Wis.	44 20	89 00	?	5	R. H. Struthers.
Lockport, N. Y.	43 10	78 51	550	1	E. S. Holmes.
Logansport, Ind.	40 45	86 14	?	12	Charles B. Lasselle.
Louisville, Ky.	38 03	85 30	450	9	S. R. Williams.
Madison, Ohio	41 49	81 10	?	12	Rev. L. S. Atkins.
Madison, Ohio	41 52	81 00	650	12	Mrs. Ardelia C. King.
Madison, Wis.	43 05	89 25	892	10	Prof. J. W. Sterling.
Madison, Ind.	38 15	85 00	450	12	C. Barnes.
Madrid, N. Y.	44 43	75 33	280	1	E. A. Dayton.
Manchester, Ill.	39 33	90 34	683	12	John Grant.
Manhattan, Kansas	39 13	96 45	?	11	Isaac T. Goodnow.
Manitowoc, Wis.	44 07	87 37	?	12	Jacob Lüps.
Mapleton, Kansas	38 04	94 51	?	6	Dr. S. O. Himoe.
Marlborough, N. C.	35 28	75 36	?	8	Robert H. Drysdale.
Marquette, Mich.	46 32	87 41	630	12	G. H. Blaker.
Marysville, Cal.	39 12	121 42	?	12	W. C. Belcher.
Marengo, Ill.	42 14	88 38	650	12	O. R. Rogers.
Meadow Dale, Va.	38 23	79 35	?	12	James Slaven.
Meadville, Pa.	41 39	80 11	1,088	9	T. F. Thickstun.
Medina, Ohio	41 07	81 42	1,206	10	Rev. L. F. Ward.
Memphis, Tenn.	35 08	90 00	262	12	Dr. W. J. Tuck.
Menasha, Wis.	44 13	88 18	?	3	C. D. Underwood.
Mendon, Mass.	42 06	72 33	?	12	Dr. John George Metcalf.
Micanopy, Fa.	29 35	82 31	78	7	James B. Bean.
Michigan City, Ind.	41 41	86 53	622	10	C. S. Woodard.
Middletown, Ct.	41 33	72 39	200 ?	4	John Johnston.
Milford, Del.	38 55	75 27	25	6	R. A. Martin.
Millersburg, Ky.	38 20	84 00	804	5	Rev. G. S. Savage, M. D.
Milwaukee, Wis.	43 04	87 59	658	12	F. C. Pomeroy.
Milwaukee, Wis.	43 04	87 59	593	12	Dr. C. Winkler.
Milwaukee, Wis.	43 03	87 57	593	8	I. A. Lapham.
Minatitlan, Mexico	17 59	94 07	45	9	Charles Laszlo.
Mirador, Mexico	19 15	96 25	3,500	12	Carl Sartorius.
Moneka, Kansas	38 19 ?	94 42 ?	?	2	John O. Wattles.
Monroe, Mich.	41 56	83 22	590	11	Miss Helen I. Whelpley.
Monson, Maine	45 11	69 35	?	4	Benjamin F. Wilbur.
Montgomery, Ala.	32 25	86 22	162	3	Rev. J. Avery Shepherd.
Montreal, Canada	45 30	73 36	57	12	Dr. A. Hall.
Montross, Va.	38 07	76 54	200	11	E. E. Spence.
Montville, Ohio	41 07	81 47	1,261	3	W. P. Clarke.
Moose Factory, H. B. Territory	51 15	80 45	?	12	J. Mackenzie.
Morrisania, N. Y.	40 53	74 01	150	12	J. Zaepffel.
Morrisville, Pa.	40 12	74 53	30	12	Ebenezer Hance.
Mossy Creek, Va.	38 30	79 00		5	Jed. Hotchkiss.

a At the outlet of Lake Winnepisiogee.

b About four miles south of Laconia.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1853.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Mount Joy, Pa	40 08	77 32	?	12	Dr. J. R. Hoffer.
Mount Union, Ohio	41 20	81 01	?	5	Newton Anthony.
Murfreesborough, N. C	36 30	77 06	?	12	Rev. A. McDowell.
Murrysville, Pa	40 28	79 35	960	12	Thomas H. Stuart.
Muscatine, Iowa	41 26	91 05	586	12	T. S. Parvin.
Nantucket, Mass	41 16	70 06	30	12	Hon. Wm. Mitchell.
Nassau, Bahamas	25 05	77 21	?	12	A. M. Smith.
Natchez, Miss	31 34	91 25	264	10	Robert McCary.
Newark, N. J	40 45	74 10	30	12	W. T. Whitehead.
Newark, Del.	39 38	75 47	120	2	Mrs. E. D. Porter.
New Bedford, Mass	41 39	70 56	90	12	Samuel Rodman.
New Braunfels, Texas	29 42	98 15	?	8	Otto Friedrich.
New Buffalo, Mich	41 45	86 46	600	12	J. B. Crosby.
Newburyport, Mass	42 47	70 52	46	11	Dr. H. C. Perkins.
New Danemoro, Wis	44 17	90 38	?	6	E. Haeuser.
New Harmony, Ind	38 08	87 50	320	12	John Chappellsmith.
New Lisbon, Ohio	40 45	80 46	?	12	J. F. Benner.
New London, Conn	41 32	72 03	90	7	Rev. Tryon Edwards, D. D.
New London, Wis	44 21	88 45	?	8	J. Everett Breed.
New Orleans, La	29 57	90 00	?	12	Lewes B. Taylor.
New York City, N. Y. (*a*)	40 43	74 05	159	12	Prof. O. W. Morris.
Nichols, N. Y	42 00	76 32	?	12	Robert Howell.
Nolin Ky	37 10	85 35	?	2	J. Grinnell.
Norristown, Pa	40 08	75 19	153	12	Rev. J. Grier Ralston.
North Barnstead, N. H	43 38	71 27	?	1	W. F. Hanscam.
North Whitehall, Pa	40 40	75 26	250	12	Edward Kohler.
Northwood, Ohio (*b*)	40 28	83 45	1,170	11	J. C. Smith and R. Shields.
Norwich, Conn.	41 32	72 03	50	2	N. Scholfield.
Norwich, Vt	43 42	72 21	?	12	Prof. A. Jackman.
Notre Dame, Ind	41 45	86 10	?	3	Thomas Vagnier.
Oakland, Md	39 40	79 00	?	6	S. R. Cofran.
Ogdensburg, N. Y	44 43	75 26	?	12	W. E. Guest.
Omaha, Neb	41 15	96 10	?	11	William N. Byers.
Oregon City, Oregon				12	G. H. Atkinson.
Oswego, N. Y	43 28	77 34	232	5	Wm. S. Malcolm.
Ottawa, Ill	41 20	88 47	500	12	Dr. J. O. Harris.
Ottawa Point, Mich	44 16	83 25	?	4	John Oliver.
Ovid, N. Y	42 41	76 52	800	5	J. W. Chickering.
Paradise, Penn	40 00	76 08	?	12	Jacob Frantz.
Paris, Ky	38 16	84 07	810	12	Dr. L. G. Ray and Mrs. N. Ray.
Paulding, Miss	32 20	89 20	?	11	Rev. E. S. Robinson.
Pekin, Ill	40 36	89 45	?	12	J. H. Riblet.
Penn Yan, N. Y	42 42	77 11	740	12	Dr H. P. Surtwell.
Peoria, Ill.	40 36	89 30	?	12	Dr. Frederick Brendel.
Perrysburg, Ohio	41 39	83 40	?	4	F. Hollenbeck.
Perry, Maine	45 00	67 06	100	12	Wm. D. Dana.
Philadelphia, Pa	39 57	75 11	60	12	Prof. James A. Kirkpatrick.
Pittsburg, Pa., [Oakland Observ'y]	40 32	80 02	1,026	9	Prof. W. C. Wilson.
Pittsburg, Pa, [Marine Hospital]	40 30	80 00	?	12	Wm. Martin and Dr. Alex. Spooner.
Platteville, Wis	42 45	89 25	?	12	Dr. J. L. Pickard.
Pleasant Plain, Iowa	41 07	91 54	?	12	Townsend McConnel.
Pocopson, Pa	39 54	75 37	218	12	Fenelon Darlington.
Point Pleasant, Va	38 50	82 31	480	3	W. R. Boyers.
Pomfret, Conn	41 52	72 00	596	12	Rev. D. Hunt.
Pompey, N. Y	42 52	76 09	1,737	3	S. Marshall Ingalls.
Poplar Grove, Va	38 20	81 21	?	12	James E. Kendall.
Port Huron, Mich	42 53	82 24	606	12	James Allen.
Portland, Maine	43 39	70 15	87	12	Henry Willis.
Portland, Oregon	45 24	121 30	150	4	George H. Stibbins.
Portsmouth, Va	36 50	76 19	34	12	Prof. N. B. Webster.
Portsmouth, Ohio	38 50	82 49	468	5	James H. Poe.
Pottsville, Pa	40 41	76 09	?	1	D. Washburn.

a Deaf and Dumb Institute.

b Belle Centre—Geneva Hall.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1858.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Heigh above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Poultney, Iowa (*a*)	41 40	91 21	?	7	B. F. Odell.
Princeton, Minn	45 50	93 45	?	11	O E. Garrison.
Providence, R. I	41 49	71 25	120	12	Prof. A. Caswell.
Racine, Wis	42 49	87 40	?	4	W. J. Durham.
Reading, Pa	40 19	75 56	262	3	J. Burd Peale, M. D., & Charles Hahn.
Red River Settlement, H. B. Territory	50 06	90 00	653	11	Donald Gunn.
Richmond, Mass. (*b*)	42 23	73 20	1,190	10	Wm. Bacon.
Richmond, Ind.	39 47	84 47	800	12	Joseph Moore.
Richmond, Ind	39 47	84 47	?	7	W. W. Austin.
Rigolet, Labrador	54 00	55 00	?	8	Henry Connelly.
Riley, Ill	42 08	88 33	650	12	E. Babcock.
Ripley, Ohio	38 47	83 31	?	12	J. Ammen.
Rochester, N. Y	43 08	77 51	516	12	J. C. Seely.
Rose Hill, Va	38 00	76 57	250	8	George W. Upshaw.
Rossville, Iowa	43 10	91 21	1,400	10	Carlisle D. Beeman.
Rougemont, Va	38 05	78 21	450	12	George C. Dickinson.
Rupert, Vt	43 15	73 11	750	12	Joseph Parker.
Ruthven, Va	37 21	77 33	?	7	Julien C. Ruffin.
Sacramento, Cal.	38 35	121 40	49	12	Dr. Thomas M. Logan.
Sag Harbor, N. Y	41 00	72 20	40	12	Ephraim N. Byram.
St. Augustine, Fa	29 48	81 35	8	11	Dr P. B Mauran.
St. Croix, Wis	45 30	92 40	660 ?	3	William M. Blanding.
St. George's, Bermuda, W. I	32 23	64 40	123	5	E. Mitchel and others.
St. John's, Newfoundland	47 35	52 38	?	12	John Delany and Sons.
St. John's, S. C	33 00	80 00	50	11	T. P. Ravenel.
St. Johnsbury, Vt	44 25	72 01	540	12	Franklin Fairbanks.
St. Joseph's, Mo	39 40	94 40	?	1	E. B. Neely.
St. Louis, Mo	28 37	90 16	461	12	Dr. A. Wislizenus.
St. Martin, Canada	45 32	73 36	118	12	Dr. Charles Smallwood, LL.D.
Salem, Va	39 20	80 01	1,100	3	S. C. Wells.
Salt Ponds, Fa	24 33	81 48	4	12	William C. Dennis.
Sandwich, Ill	41 31	88 30	?	1	Dr. N. E. Ballou.
San Francisco, Cal	37 48	122 23	115	12	Dr. W. O. Ayres.
Saratoga, N. Y	43 06	74 00	960	12	Walter H. Riker.
Savannah, Ga	32 05	81 07	42	12	Dr. John F. Posey.
Savannah, Ohio	41 12	82 31	?	12	Dr. John Ingram.
Saybrook, Conn	41 18	72 20	10	12	James Rankin.
Schenectady, N. Y	42 49	73 55	290	2	Alexis A. Julien.
Selma, Ala	32 25	86 51	200	9	Dr. Samuel K Jennings.
Sergeantsville, N. J. (*c*)	40 29	75 03	?	3	John T. Sergeant.
Shamokin, Pa (*d*)	40 45	76 31	700	12	P. Friel.
Shelburne, N. H	41 23	71 06	700	12	Fletcher Odell.
Sioux City, Iowa	42 31	96 25	?	12	Dr. John J. Saville.
Smithfield, Va	36 50	76 41	100	12	Dr. John R. Purdie.
Somerset, Pa	40 02	79 02	1,997	12	George Mowry.
South Pass, Ill	37 28	89 14	?	8	Frank Baker.
Sparta, Ga	33 17	83 09	550	12	Dr. E. M. Pendleton.
Spencertown, N. Y	42 19	73 41	800	6	Irving Magee.
Springdale, Ky	38 07	85 34	570	12	Mrs. L. Young.
Springfield, Ill	42 06	72 35	----------	3	F. A. Brewer.
Springfield, Mo	37 12	93 12	?	4	J. A. Stephens.
Stanbridge, Canada	45 08	73 00	?	12	J. C. Baker.
Steuben, Maine	44 44	67 58	50	12	J. D. Parker.
Stillwater, Minn	45 04	92 45	756	1	A. Van Vorhes.
Stratford, N. H	44 08	71 34	1,000	9	Branch Brown.
Stribling Springs, Va	38 17	79 12	1,639	4	Jed Hotchkiss.
Sykesville, Md. (*e*)	39 23	76 57	709	12	Miss Harriott M. Baer.
Tarentum, Pa	40 37	79 19	950	12	John H. Baird.
Thomson, Ga	33 30 ?	82 20 ?	?	1	W. T. Grant.
Thunder Bay Island, Mich	45 02	83 09	?	5	J. J. Malden.
Topeka, Kansas	39 03	95 39	?	6	F. W. Giles.

a Plum Spring.
b Elmwood.
c Sand Brook.
d Lancaster Colliery.
e Shellman Hall.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1858.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Toronto, Canada	43 39	79 21	108	12	Magnetic Observatory.
Trinity, La	42 44	73 36	58	1	Dr. Edward Merrill.
Turks Island, West Indies	21 29	71 05	?	5	J. B. Hayne.
Union Hill, Texas	30 30	96 31	540	12	Dr. W. H. Gantt.
Union Ranche, Cal	39 30	121 00	?	1	William L. Dunkum.
Upper Alton, Ill	38 55	90 10	?	7	John James.
Urbana, Ohio	40 06	83 43	1,015	12	Prof. M. G. Williams.
Vera Cruz, Mexico	19 08	96 08	?	2	Carl Sartorius.
Vera Cruz, Mexico	19 08	96 08	26	12	Dr. German Berendt.
Wabashaw, Minn	44 30	92 15	850	7	Spencer L. Hillier.
Wallingford, Conn	41 26	72 50	133	12	B F. Harrison.
Wampsville, N. Y	43 04	75 50	500	12	Dr. Stillman Spooner.
Warrington, Fa. (*a*)	30 20	87 16	12	1	Lieut. J. W. Hester.
Warsaw, Ill	40 20	91 31	?	7	Benjamin Whitaker.
Warsaw, Wis	45 00	89 30	?	2	W. A. Gordon, M. D.
Washington, D. C	38 53	77 01	30	12	Smithsonian Institution.
Washington, D. C., (near)				8	J. Weissner.
Washington, Texas	30 26	96 15	?	8	B. H. Rucker.
Waterford, N. Y	42 48	73 41	?	12	John C. House.
Waukesha, Wis	42 50	88 11	812	11	Prof. S. A. Bean.
Waynesville, Ill	40 16	89 07	?	12	Joshua E. Cantril.
Welchfield, Ohio	41 23	81 12	1,115	12	B. F. Abell.
Wellsville, N. Y	42 07	78 06	1,480	4	H. M. Sheerar.
West Day, N. Y	43 00 ?	74 36 ?	?	8	Jude M. Young.
West Enfield, N. H	43 30	72 00	?	12	Nathaniel Purmort.
Westerville, Ohio	40 04	83 03	?	12	Prof. John Haywood.
Westfield, Mass	42 06	72 48	?	12	Rev. Emerson Davis, D. D.
West Haverford, Pa	40 00	75 21	?	9	Paul Swift.
West Salem, Ill	38 30	88 00	?	12	Henry A. Titze.
Westtown, Pa	39 57	75 43	550	12	Samuel Alsop.
West Urbana, Ill	40 09	88 17	550	12	Dr. John Swain.
Wheaton, Ill	41 49	88 06	682	12	G. H. Collier.
Whitemarsh Island, Ga	32 04	81 05	18	12	R. T. Gibson.
Williamstown, Mass	42 43	73 13	720	12	Curtis J. Lyon.
Wilson, N. Y	43 20	78 56	250	1	E. S. Holmes.
Winchester, Va	39 15	78 10	?	10	John W. Marvin.
Windham, Ohio	41 10	81 05	?	12	Samuel W. Treat.
Windsor, Nova Scotia	44 59	64 07	200	12	Rev. J. M. Hensley & Prof. H. How.
Winnebago, Ill	42 17	89 11	?	12	James W. Tolman.
Wirt Court-House, Va	39 05	81 26	?	12	Dr. Josiah W. Hoff.
Wolfville, Nova Scotia (*b*)	45 06	64 25	95	10	A. P. S. Stuart.
Woodstock, Vt	43 36	72 35	650	12	Charles Marsh.
Worcester, Mass	42 16	71 48	536	12	J. S. Sargent.
Zebulon, Ga	33 07	84 26	?	6	Mrs. J. T. Arnold.

a Pensacola. *b* Horton.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches*			*Inches.*
British America	Hamilton	29.67	8	9 a. m.	30.32	11	9 a. m.	29.10
	Montreal	30.02	22	9 p. m.	30.79	4	2 p. m.	29.16
	Rigolet (*a*)	29.78	13	Sunset.	30.30	31	Sunrise.	28.80
	St. John's	29.57	11	9 p. m.	30.18	30	2 p. m.	*b* 29.00
	St. Martin	29 91	22	9 p. m.	30.70	4	2 p. m.	29.07
	Toronto	29.67	8	6 a. m.	30.37	4	2 p. m.	29.10
	Windsor	29.91	23	9 p. m.	30.60	30	7 a. m.	28.84
	Wolfville	29.90	23	7 a. m.	30.75	30	2 p. m.	29.15
Maine	Gardiner	29.88	24	7 a. m.	30.55	4	2 p. m.	29.21
	Portland	29.92	23	7 a. m.	30.73	4	2 p. m.	29.28
	Steuben	29.94	23	7 a. m.	30.82	30	2 p. m.	29.21
New Hampshire	Claremont	29.10	23	7 a. m.	29.80	4	2 p. m.	28.85
	Concord	29.66	23	7 a. m.	30.36	16	2 p. m.	28.99
	Shelburne	29.77	23	7 a. m.	30.44	4	2 p. m.	*c* 29.13
Vermont	Burlington	29.69	22	9 p. m.	30.42	4	2 p. m.	28.98
	Norwich	29.71	23	7 a. m.	30.40	4	2 p. m.	29.06
	St. Johnsbury	29.42	23	7 a. m.	*d* 30.14	4	2 p. m.	28.70
Massachusetts	Amherst	29.82	8	2 p. m.	30.57	16	2 p. m.	29.19
	Bridgewater	29.86	23	7 a. m.	30.56	16	2 p. m.	29.21
	Cambridge	30.02	23	7 a. m.	30.75	16	2 p. m.	29.35
	Canton	29.85	8	9 p. m.	30.50	16	2 p. m.	29.20
	Lawrence	29.93	23	7 a. m.	30.63	16	2 p. m.	29.27
	Nantucket	30.07	8	9 p. m.	30.75	29	2 p. m.	*e* 29.50
	New Bedford	29.99	23	7 a. m.	*f* 30.67	16	2 p. m.	29.35
	Newburyport	30.01?	23	7 a. m.	30.78	16	2 p. m.	29.37
	Westfield	30.16	23	7 a. m.	30.63	16	2 p. m.	29.37
	Williamstown	29.31	23	7 a. m.	29.99	16	2 p. m.	28.70
	Worcester	29.49	23	7 a. m.	30.17	4	2 p. m.	28.92
Rhode Island	Providence	29.87	23	Sunrise.	30.55	16	1 p. m.	29.22
Connecticut	Norwich	29.97	8	9 p. m.	30.58	16	2 p. m.	29.30
	Pomfret	29.43	23	7 a. m.	30.10	16	2 p. m.	28.79
	Wallingford	29.96	23	7 a. m.	30.65	12	7 a. m.	29.27
New York	Bellport	29.38	8	9 p. m.	29.93	16	2 p. m.	28.84
	Buffalo	29.39	8	8 a. m.	30.06	11	2 p. m.	28.74
	Canton	29.48	8	2 p. m.	30.19	4	2 p. m.	28.80
	Cazenovia	28.61	8	7 a. m.	29.23	4	2 p. m.	28.09
	Fishkill Landing (*a*)	30.25	23	2 p. m.	*g* 30.90	16	2 p. m.	29.61
	Flatbush	29.97	23	7 a. m.	30.69	16	2 p. m.	29.39
	Fort Edward	29.90	24	9 p. m.	30.75	4	2 p. m.	*h* 29.28
	New York city	30.04	23	7 a. m.	30.71	16	2 p. m.	29.38
	Rochester	29.51	8	7 a. m.	30.12	11	2 p. m.	28.89
	Sag Harbor	29.80	23	2 p. m.	30.46	16	2 p. m.	29.19
	Waterford	30.05	23	7 a. m.	30.73	16	2 p. m.	29.40
New Jersey	Bloomfield	30.07	8	9 p. m.	30.74	16	2 p. m.	29.43
	Burlington	30.03	8	9 p. m.	30.62	16	2 p. m.	29.48
	Lambertville	30.05	8	9 p. m.	30.69	16	7 a. m.	*h* 29.51
	Newark	29.98	8	6 p. m.	30.68	5	7 a. m.	28.76
Pennsylvania	Bedford	29.15	8	9 p. m.	29.73	28	9 p. m.	28.56
	Berwick (*a*)	29.38	8	2 p. m.	*i* 30.00	16	7 a. m.	28.75
	Cannonsburg	28.86	8	7 a. m.	29.39	16	7 a. m.	28.33
	Chromedale	29.95	23	7 a. m.	30.60	16	7 a. m.	29.37
	Easton	29.60	8	9 p. m.	*j* 30.20	16	2 p. m.	29.01
	Gettysburg	29.56	8	2 p. m.	30.17	11	2 p. m.	28.98
	Harrisburg, [Heisely]	29.85	8	2 p. m.	30.45	16	7 a. m.	29.29
	Harrisburg, [Hickok]	29.81	8	2 p. m.	30.43	16	7 a. m.	29.23
	Lewisburg	29.63	8	2 p. m.	30.26	16	7 a. m.	29.05

* For hours of observation, &c., see thermometer tables.

a Not corrected for temperature.
b Same height at 9 p. m. on the 30th.
c Same height at 9 p. m. on the 4th.
d Same height at 9 p. m. on the 22d.
e Same height at 9 p. m. on the 9th.
f Same height at 9 p. m. on the 8th.
g Same height at 2 p. m. on the 23d.
h Same height at 2 p. m. on the 16th.
i Same height at 2 p. m. and 9 p. m. on the 22d.
j Same height at 7 a. m. on the 23d.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Morrisville	30.15	8	9 p. m.	30.80	16	2 p. m.	29.56
	Mount Joy (*a*)	29.78	8	2 p. m.	30.42	16	7 a. m.	29.19
	Murrysville	28.90	8	7 a. m.	29.48	11	2 p. m.	28.33
	Norristown	29.98	23	7 a. m.	30.65	16	7 a. m.	29.33
	Philadelphia	29.95	8	2 p. m.	30.53	16	2 p. m.	29.41
	Pittsburg, [Marine Hospital]	29.00	8	7 a. m.	29.70	16	7 a. m.	28.45
	Pittsburg, [Oakland Station] (*a*)	28.92	8	7 a. m.	29.45	11	2 p. m.	28.44
	Pottsville (*a*)	29.58	8	2 p. m.	30.18	11	2 p. m.	*b* 29.09
	Somerset	27.69	8	7 a. m.	28.16	16	7 a. m.	27.23
	Westtown	29.52	23	7 a. m.	30.11	16	7 a. m.	28.95
Delaware	Milford	29.72	8	9 p. m.	30.37	16	2 p. m.	29.22
	Newark	29.91	8	7 a. m.	30.53	16	2 p. m.	29.40
Maryland	Annapolis	30.10	8	2 p. m.	30.70	16	7 a. m.	*c* 29.59
	Baltimore	29.96	8	2 p. m.	30.58	16	7 a. m.	29.40
	Chestertown	30.09	23	7 a. m.	30.69	16	7 a. m.	29.49
	Frederick	29.83	8	7 a. m.	30.43	16	7 a. m.	29.26
	Leonardtown (*a*)	30.06	8	2 p. m.	30.59	16	7 a. m.	29.56
	Oakland	27.59?	22	2 p. m	28.06	14	2 p. m.	27.01
Dist. of Columbia	Washington	30.12	8	7 a. m.	30.75	28	9 p. m.	29.53
Virginia	Alexandria	30.10	8	2 p. m.	30.67	16	7 a. m.	29.58
	Portsmouth	30.11	8	2 p. m.	30.67	28	9 p. m.	29.54
	Rose Hill	30.06?	7	9 p. m.	30.68	16	2 p. m.	29.54
	Ruthven	29.77	8	7 a. m.	30.36	16	7 a. m.	29.25
North Carolina	Ashville	27.77	8	7 a. m.	28.26	28	2 p. m.	27.31
	Chapel Hill	29.67	8	7 a. m.	30.17	16	2 p. m.	29.21
	Davidson College	29.27	8	7 a. m.	29.78	28	2 p. m.	28.73
	Murfreesborough	29.47	8	7 a. m.	29.98	16	2 p. m.	28.95
South Carolina	All Saints	30.08	8	2 p. m.	30.48	28	2 p. m.	29.48
	Charleston, [Dawson]				30.62			29.70
	Charleston, [Johnson]	30.15	8	9 p. m.	30.55	28	2 p. m.	29.60
Georgia	Athens	29.35	8	2 p. m.	29.74	27	2 p. m.	28.89
	Hillsborough	29.49	8	9 p. m.	29.88	28	2 p. m.	29.03
	Savannah	30.14	8	9 p. m.	30.51	28	2 p. m.	29.60
Florida	Atsena	29.87	8	2 p. m.	30.08	28	9 p. m.	29.59
	Jacksonville	30.17	8	9 p. m.	30.46	28	2 p. m.	29.71
	St. Augustine	30.17	24	9 p. m.	*d* 30.40	28	2 p. m.	28.64
	Salt Ponds (*a*)	29.74	8	2 p. m.	*e* 29.88	29	7 a. m.	29.60
	Warrington	30.14	8	7 a. m.	30.35	16	9 p. m.	29.79
Alabama	Auburn	29.44	8	9 p. m.	29.75	15	2 p. m.	*f* 29.09
	Greensborough	29.71	8	7 a. m.	30.00	15	9 p. m.	29.29
Texas	Goliad	30.06	2	9 p. m.	30.35	24	2 p. m.	29.79
	Washington	29.70	8	7 a. m.	29.99	14	9 p m.	29.40
Tennessee	Glenwood	29.63	7	9 p. m.	30.00	10	9 p. m.	29.16
	Memphis	29.81	7	9 p. m.	30.17	10	2 p. m.	29.32
Kentucky	Bardstown (*g*)	30.04	7	9 p. m.	30.52	5	2 p. m.	29.49
	Paris	29.33	8	7 a. m.	29.70	5	2 p. m.	28.76
	Springdale	29.49	8	7 a. m.	29.95	5	2 p. m.	28.99
Ohio	Bowling Green	29.28	1	Sunrise.	*h* 29.86	11	Sunrise.	28.58
	Cincinnati, [Harper]	29.57	8	7 a. m.	30.01	11	7 a. m.	29.10
	Cincinnati, [Hurtt]	29.35	8	7 a. m.	29.91	11	7 a. m.	28.76
	Cleveland (*g*)	29.05	8	7 a. m.	*i* 29.60	11	7 a. m.	*j* 28.53
	Hillsborough	28.87	8	7 a. m.	29.37	11	7 a. m.	28.37
	Medina	28.84	8	7 a. m.	29.46	11	7 a. m.	*j* 28.36
	New Lisbon (*a*)	28.69	8	7 a. m.	*k* 29.20	11	7 a. m.	*j* 28.20
	Northwood	28.87	8	7 a. m.	29.40	11	7 a. m.	28.26
	Ripley	29.47	8	7 a. m.	29.98	11	7 a. m.	28.98
	Savannah	28.91	8	7 a. m.	29.48	11	7 a. m.	28.35

a Not corrected for temperature.
b Same height at 2 p. m. on the 28th.
c Same height at 2 p. m. on the 16th.
d Same height at 7 a. m. on the 25th.
e Same height at 2 p. m. on the 26th.
f Same height at 9 p. m. on the 15th.
g Aneroid.
h Same height at sunrise on the 8th.
i Same height at 2 p. m. on the 8th.
j Same height at 2 p. m. on the 11th.
k Same height at 2 p. m. and 9 p. m. on the 8th.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Urbana	28.93	8	7 a. m.	29.45	11	7 a. m.	28.40
	Westerville	28.93	8	7 a. m.	29.44	11	7 a. m.	28.38
Michigan	Battle Creek	29.15	8	7 a. m.	29.69	11	7 a. m.	28.43
	Marquette	29.33	7	2 p. m.	*a* 29.90	12	7 a. m.	28.56
	New Buffalo	29.31	8	9 p. m.	29.89	11	7 a. m.	28.63
Indiana	Evansville	28.88	7	9 p. m.	29.35	5	2 p. m.	28.44
	Madison	29.54	7	9 p. m.	30.04	11	7 a. m.	29.01
	Michigan City	29.27	7	9 p. m.	29.81	11	7 a. m.	28.59
	New Harmony	29.72	7	9 p. m.	30.23	10	9 p. m.	29.11
	Richmond	29.02	8	7 a. m.	29.54	11	7 a. m.	28.43
Illinois	Athens	29.44	7	9 p. m.	29.98	10	9 p. m.	28.68
	Batavia (*b*)	28.95	7	2 p. m.	29.60	10	2 p. m.	28.40
	Manchester	28.85	7	7 a. m.	29.38	10	1 p. m.	28.38
	West Urbana	29.27	7	9 p. m.	29.81	10	9 p. m.	28.61
	Wheaton	29.25	7	9 p. m.	29.86	10	9 p. m.	28.50
Missouri	Cape Girardeau	29.43	7	9 p. m.	30.16	10	9 p. m.	29.11
	St. Joseph's	29.09	7	9 a. m.	29.71	10	3 p. m.	28.41
	St. Louis	29.60	7	9 p. m.	30.11	10	9 p. m.	28.87
	Springfield	28.70	7	Sunrise	29.09	10	3 p. m.	28.01
Wisconsin	Appleton	28.99	7	9 p. m.	29.56	11	7 a. m.	28.20
	Beloit	29.18	7	9 p. m.	29 79	10	9 p. m.	28.39
	Kenosha	29.44	8	7 a. m.	29.96	11	7 a. m.	28.70
	Madison, [Sterling]	29.02	7	9 p. m.	29.61	10	9 p. m.	28.25
	Manitowoc (*b*)	29.73	7	9 p. m.	30.38	11	7 a. m.	28.92
	Milwaukee, [Winkler]	29.26	7	9 p. m.	29.84	11	7 a. m.	28.46
	Racine (*b*)	29.22	7	9 p. m.	29.83	10	9 p. m.	*c* 28.56
	St. Croix	29.13	7	7 a. m.	29.84	11	7 a. m.	28.61
	Waukesha	29.12	7	9 p. m.	29.77	11	7 a. m.	28.35
Iowa	Dubuque	29.35	7	9 p. m.	30.00	10	9 p. m.	28.49
	Fairfield	29.20	7	9 p. m.	29.77	10	9 p. m.	28.37
	Muscatine	29.50	8	7 a. m.	30.17	13	9 p. m.	29.09
Minnesota	Wabashaw	29.23	8	7 a. m.	29.84	11	9 p. m.	28.56
Kansas	Lawrence	29.12	7	7 a. m.	29.69	10	2 p. m.	28.36
	Leavenworth City	28.72	7	7 a. m.	29.17	10	2 p. m.	28.23
Mexico	Cordova	27.14	8	9 a. m.	27.31	13	12 m.	26.93
	Mirador	22.83	8	7 a. m.	22.97	31	2 p. m.	22.64
	Vera Cruz	30.01	21	9 a. m.	30.18	14	3 p. m.	29.81
California	Sacramento	30.12	2	2 p. m.	30.41	22	2 p. m.	29.51
	San Francisco	30.07	2	7 a. m.	30.38	22	2 p. m.	29.44
West Indies	Centre Signal Station, Bermuda (*d*)	29.93	9	Noon.	30.42	29	Noon.	29.35
	Nassau, Bahamas (*e*)	30.15	1	.....	*f* 30.29	28	.....	29.98
	St. George's, Bermuda	30.05	9	9½ a. m.	30.42	29	9½ a. m.	29.25
Central America	Guatemala	25.25	.....	.....	25.38	.....	.....	25.13
South America	Catharina Sophia, Surinam (*g*)	29.65	30	2 p. m.	*h* 29.85	12	2 p. m.	*i* 29.57
	Catharina Sophia, Surinam	29.89	20	6 a. m.	29.96	11	2 p. m.	29.81

a Same height at 9 p. m. on the 7th.
b Not corrected for temperature.
c Same height at 7 a. m. on the 11th.
d For 17 days only.
e Mean obtained from daily maximum and minimum.
f Same height on the 11th.
g Aneroid.
h Same height at 6 p. m. on the 30th.
i Same height at 6 p. m. on the 11th and 12th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1858.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.61	17	9 a. m.	29.98	10	9 p. m.	28.94
	Montreal	29.95	13	7 a. m.	30.40	10	7 a. m.	29.28
	Rigolet (*a*)	29.46	2	Sunset.	30.00	12	Sunrise.	28.60
	St. John's	29.22	25	7 a. m.	29.73	3	2 p. m.	28.82
	St. Martin	29.83	13	7 a. m.	30.33	10	7 a. m.	29.20
	Toronto	29.66	23	2 p. m.	30.06	9	10 p. m.	28.99
	Windsor	29.75	1	9 p. m.	30.37	10	2 p. m.	29.12
	Wolfville	29.77	2	7 a. m.	30.43	10	9 p. m.	29.20
Maine	Gardiner	29.75	1	9 p. m.	30.19	10	2 p. m.	29.14
	Portland	29.86	1	2 p. m.	30.38	10	2 p. m.	29.22
	Steuben	29.81	1	9 p. m.	30.34	10	2 p. m.	29.16
New Hampshire	Concord	29.54	23	9 p. m.	29.99	10	7 a. m.	28.90
	Shelburne	29.67	1	9 p. m.	*b* 30.06	10	2 p. m.	29.05
Vermont	Burlington	29.61	23	9 p. m.	30.03	10	2 p. m.	28.82
	Norwich (*c*)	29.66	13	7 a. m.	29.96	10	7 a. m.	29.02
	St. Johnsbury	29.30	23	9 p. m.	29.75	10	7 a. m.	28.66
Massachusetts	Amherst	29.73	24	7 a. m.	30.14	10	2 p. m.	29.12
	Bridgewater	29.77	24	7 a. m.	30.20	10	7 a. m.	29.12
	Cambridge	29.92	24	7 a. m.	30.35	10	7 a. m.	29.26
	Lawrence	29.83	23	9 p. m.	30.26	10	7 a. m.	29.21
	Nantucket	29.95	24	7 a. m.	30.35	10	7 a. m.	29.39
	New Bedford	29.88	23	9 p. m.	*b* 30.30	10	7 a. m.	29.25
	Newburyport	29.97	9	9 p. m.	30.60	2	2 p. m.	29.41
	Westfield	29.87	23	9 p. m.	30.28	10	7 a. m.	*d* 29.28
	Williamstown	29.21	23	9 p. m.	29.62	10	7 a. m.	28.68
	Worcester	29.40	24	7 a. m.	29.78	2	2 p. m.	28.83
Rhode Island	Providence	29.77	23	10 p. m.	30.31	10	Sunrise.	29.12
Connecticut	New London	29.91	18	7 a. m.	30.39	10	7 a. m.	29.27
	Norwich	29.90	23	9 p. m.	30.25	10	7 a. m.	29.25
	Pomfret	29.32	23	9 p. m.	29.73	10	7 a. m.	28.70
	Wallingford	29.87	23	9 p. m.	30.31	10	7 a. m.	29.24
New York	Bellport	29.31	23	9 p. m.	29.64	10	2 p. m.	28.75
	Buffalo	29.33	23	2 p. m.	29.76	9	9 p. m.	28.65
	Canton	29.41	23	9 p. m.	29.82	9	9 p m.	28.76
	Cazenovia	28.52	23	9 p. m.	28.91	9	9 p. m.	27.96
	Fishkill (*a*)	30.11	23	9 p. m.	30.59	10	2 p. m.	29.60
	Flatbush	29.92	23	9 p. m.	30.36	10	7 a. m.	29.26
	Fort Edward	29.82	23	2 p. m.	*e* 30.23	20	7 a. m.	*f* 29.23
	New York city	29.98	23	9 p. m.	30.44	10	7 a. m.	29.38
	Rochester	29.46	23	2 p. m.	29.86	9	9 p. m.	28.77
	Sag Harbor	29.70	23	9 p. m.	30.15	10	7 a. m.	29.11
	Waterford	29.96	24	7 a. m.	30.39	10	7 a m.	29.40
New Jersey	Bloomfield	29.96	23	9 p. m.	30.38	10	7 a. m.	29.40
	Burlington	29.96	23	9 p. m.	30.31	10	7 a. m.	29.43
	Lambertville	29.72?	23	9 p. m.	30.36	10	7 a. m.	29.42
	Newark	29.97	23	9 p. m.	30.35	10	7 a. m.	29.39
Pennsylvania	Bedford	29.03	23	2 p. m.	*e* 29.33	2	2 p. m.	28.62
	Berwick (*a*)	29.24	23	2 p. m.	29.58	9	9 p. m.	28.66
	Cannonsburg	28.80	23	2 p. m.	*e* 29.11	9	9 p. m.	28.24
	Chromedale	29.87	23	9 p. m.	30.29	2	7 a. m.	*g* 29.36
	Easton	29.50	23	9 p. m.	29.88	10	7 a. m.	28.98
	Gettysburg	29.48	13	2 p. m.	*e* 29.85	2	7 a. m.	*h* 29.00
	Harrisburg, [Heisely]	29.77	23	9 p. m.	30.15	10	9 p. m.	29.23
	Harrisburg, [Hickok]	29.72	23	9 p. m.	30.12	9	9 p. m.	29.18
	Lewisburg	29.56	23	9 p. m.	29.93	9	9 p. m.	28.99
	Morrisville	30.10	23	9 p. m.	*b* 30.49	10	7 a. m.	29.56
	Mount Joy (*a*)	29.67	23	9 p. m.	30.04	28	9 p. m.	29.16
	Murrysville	28.82	23	2 p. m.	29.15	9	9 p. m.	28.30

* For hours of observation, &c., see thermometer tables.

a Not corrected for temperature.
b Same height at 7 a. m. on the 24th.
c Incomplete.
d Same height at 2 p. m. on the 10th.
e Same height at 9 p. m. on the 23d.
f Same height at 2 p. m. on the 2d.
g Same height at 7 a. m. on the 10th.
h Same height at 9 p. m. on the 28th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.94	23	9 p. m.	30.34	9	9 p. m.	29.40
	Philadelphia	29.87	23	9 p. m.	30.25	10	7 a. m.	29.40
	Pittsburg, [Marine Hospital]	28.93	15	9 p. m.	29.31	9	9 p. m.	28.36
	Pittsburg, [Oakland Station] (*a*)	28.81	23	2 p. m.	29.15	9	9 p. m.	28.35
	Reading	29.66	23	9 p. m.	30.04	5	9 p. m.	28.89
	Somerset	27.58	23	9 p. m.	*b* 27.85	9	9 p. m.	27.14
	Westtown	29.43	23	9 p. m.	29.81	9	9 p. m.	28.94
Delaware	Milford	29.69	23	9 p. m.	30.07	10	7 a. m.	29.24
	Newark	29.86	23	9 p. m.	30.25	9	9 p. m.	29.34
Maryland	Annapolis	30.04	23	9 p. m.	30.43	10	7 a. m.	29.59
	Baltimore	29.88	23	9 p. m.	30.30	9	9 p. m.	29.39
	Chestertown	29.99	23	9 p. m.	30.39	1	9 p. m.	*c* 29.52
	Frederick	29.75	23	9 p. m.	30.08	9	9 p. m.	29.23
	Oakland	27.54	11	7 a. m.	27.92	2	7 a. m.	27.13
Dist. of Columbia	Washington	30.03	23	9 p. m.	30.43	9	9 p. m.	29.18
Virginia	Alexandria	30.01	23	9 p. m.	30.41	9	9 p. m.	29.56
	Portsmouth	30.03	21	9 p. m.	30.44	10	7 a. m.	29.55
	Rose Hill	29.97	23	9 p. m.	30.37	10	2 p. m.	*d* 29.46
	Ruthven	29.73	23	9 p. m.	30.06	10	7 a. m.	29.27
North Carolina	Ashville	27.68	15	7 a. m.	27.96	1	2 p. m.	27.33
	Chapel Hill	29.56	23	9 p. m.	29.89	10	7 a. m.	29.18
	Davidson College	29.15	23	9 p. m.	29.44	10	7 a. m.	28.74
	Murfreesborough	29.43	23	9 p. m.	29.76	10	2 p. m.	29.03
South Carolina	All Saints	29.97	16	7 a. m.	30.24	1	2 p. m.	29.58
	Charleston, [Johnson]	30.06	6	7 a. m.	*e* 30.34	1	2 p. m.	29.68
	Charleston, [Dawson]	------	------	------	30.38	------	------	29.78
	St John's (*f*)	30.08	6	2 p. m.	30.40	1	9 p. m.	*g* 29.80
Georgia	Athens	29.26	16	7 a. m.	29.53	1	2 p. m.	28.86
	Hillsborough	29.40	16	7 a. m.	29.65	1	7 a. m.	29.01
	Savannah	30.04	3	7 a. m.	30.30	1	2 p. m.	29.62
Florida	Atsena	29.77	6	2 p. m.	*e* 29.95	1	7 a. m.	29.51
	Jacksonville	30.12	16	2 p. m.	30.42	1	2 p. m.	29.76
	St. Augustine	30.07	16	7 a. m.	*e* 30.29	1	2 p. m.	29.75
	Salt Ponds (*a*)	29.69	6	2 p. m.	29.80	1	7 a. m.	29.52
Alabama	Greensborough	29.65	16	7 a. m.	*h* 29.89	1	7 a. m.	29.20
Mississippi	Columbus	29.85	7	9 p. m.	30.14	1	7 a. m.	29.38
	Paulding	29.70	16	7 a. m.	29.93	1	7 a. m.	29.19
Texas	Goliad	30.04	16	7 a. m.	30.31	12	2 p. m.	*i* 29.63
	Washington	29.71	16	7 a. m.	29.98	12	2 p. m.	29.32
Tennessee	Glenwood	29.58	15	7 a. m.	29.88	1	2 p. m.	29.01
	Memphis	29.79	15	7 a. m.	30.04	1	7 a. m.	29.31
Kentucky	Bardstown (*f*)	29.99	15	2 p. m.	30.37	1	2 p. m.	29.40
	Millersburg	29.24	15	9 p. m.	29.53	28	2 p. m.	28.83
	Paris	29.16	15	2 p. m.	*j* 29.50	1	2 p. m.	28.66
	Springdale	29.44	15	2 p. m.	29.78	1	9 p. m.	28.89
Ohio	Bowling Green	29.23	17	Sunrise.	29.62	9	2 p. m.	28.60
	Cincinnati, [Harper]	29.54	15	9 p. m.	29.80	1	9 p. m.	28.98
	Cincinnati, [Hurtt]	29.38	23	7 a. m.	29.81	2	*k* 2 p. m.	28.87
	Cleveland (*f*)	29.01	17	7 a. m.	29.34	2	7 a. m.	28.53
	Hillsborough	28.81	15	9 p. m.	29.15	1	9 p. m.	28.30
	Medina	28.78	17	7 a. m.	29.11	1	9 p. m.	28.21
	New Lisbon (*a*)	28.58	23	2 p. m.	28.94	2	2 p. m.	*l* 28.10
	Northwood	28.79	15	2 p. m.	*b* 29.13	1	9 p. m.	28.24
	Ripley	29.40	15	7 a. m.	*m* 29.72	1	9 p. m.	28.86
	Savannah	28.85	17	7 a. m.	29.22	2	7 a. m.	28.31
	Urbana	28.88	15	2 p. m.	29.21	1	9 p. m.	28.40
	Westerville	28.87	17	7 a. m.	*b* 29.21	1	9 p. m.	28.36

a Not corrected for temperature.
b Same height at 2 p. m. on the 23d.
c Same height at 9 p. m. on the 9th, at 7 a. m. on the 10th, and at 9 p. m. on the 28th.
d Same height at 9 p. m. on the 19th.
e Same height at 9 p. m. on the 15th.
f Aneroid.
g Same height at 7 a. m. on the 2d.
h Same height at 9 p. m. on the 16th.
i Same height at 9 p. m. on the 12th.
j Same height at 2 p. m. on the 15th.
k Same height at 2 p. m. on the 9th.
l Same height at 9 p. m. on the 9th.
m Same height at 7 a. m. on the 23d.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	Battle Creek	29.13	17	7 a. m.	29.50	1	9 p. m.	*a* 28.64
	Marquette	29.37	17	7 a. m.	29.88	26	2 p. m.	28.75
	New Buffalo	29.30	17	7 a. m.	*b* 29.64	2	7 a. m.	*c* 28.86
Indiana	Evansville	28.86	16	7 a. m.	29.21	27	2 p. m.	28.30
	Madison	29.50	15	7 a. m.	*d* 29.82	1	9 p. m.	28.95
	Michigan City	29.28	15	9 p. m.	29.61	9	2 p. m.	28.84
	New Harmony	29.71	15	9 p. m.	30.02	1	2 p. m.	29.12
	Richmond	28.98	15	2 p. m.	29.31	1	9 p. m.	28.40
Illinois	Athens	29.46	15	7 a. m.	29.84	1	2 p. m.	29.00
	Batavia (*e*)	28.99	15	2 p. m.	29.40	13	2 p. m.	28.35
	Manchester	28.89	15	7 a. m.	29.33	13	1 p. m.	28.43
	West Urbana	29.26	15	7 a. m.	29.60	13	2 p. m.	28.80
	Wheaton	29.27	15	2 p. m.	29.62	1	9 p. m.	28.83
Missouri	St. Louis	29.61	15	7 a. m.	30.00	13	*l* a. m.	29.11
	Springfield	28.68	15	Sunrise.	*f* 28.97	27	3 p. m.	28.27
Wisconsin	Appleton	29.03	17	7 a. m.	29.47	27	7 a. m.	28.57
	Beloit	29.23	15	7 a. m.	*g* 29.56	13	2 p. m.	28.86
	Kenosha	29.46	14	2 p. m.	29.88	8	7 a. m.	29.10
	Madison, [Sterling]	29.04	17	7 a. m.	29.42	2	7 a. m.	28.17
	Manitowoc (*e*)	29.77	17	7 a. m.	30.21	26	9 p. m.	29.30
	Milwaukee, [Winkler]	29.28	17	7 a. m.	29.65	8	2 p. m.	*h* 28.87
	Racine (*e*)	29.23	15	2 p. m.	29.62	9	7 a. m.	28.76
	St. Croix	29.18?	15	7 a. m.	29.64	26	2 p. m.	28.69
Iowa	Dubuque	29.42	16	7 a. m.	29.77	26	9 p. m.	28.94
	Fairfield	29.19	15	7 a. m.	29.73	13	7 a. m.	28.82
	Muscatine	29.58	15	7 a. m.	*i* 29.93	26	9 p. m.	29.19
Minnesota	Wabashaw	29.28?	13	2 p. m.	29.72	26	2 p. m.	28.64
Kansas	Lawrence	29.17	15	7 a. m.	29.61	26	2 p. m.	28.66
	Leavenworth City, [McCarty]	28.75	22	7 a. m.	29.06	1	2 p. m.	*j* 28.51
Mexico	Cordova	27.13	26	9 a. m.	27.38	12	3 p. m.	26.84
	Mirador	22.83	26	7 a. m.	23.03	12	2 p. m.	22.56
	Vera Cruz	30.01	26	10 a. m.	30.26	12	3 p. m.	29.63
California	Sacramento	30.08	4	7 a. m.	30.30	11	9 p. m.	29.81
	San Francisco	29.99	21	7 a. m.	30.22	16	9 p. m.	29.61
West Indies	Centre Signal Station, Bermuda (*k*)	29.97	1	Noon	30.22	17	Noon	29.70
	Nassau, Bahamas (*l*)	30.09	3	------	30.23	23	------	29.98
	St. George's, Bermuda	29.89	23	3½ a. m.	30.30	26	3½ a. m.	29.47
Central America	Guatemala	25.25	------	------	25.39	------	------	25.13
South America	Catharina Sophia, Surinam (*m*)	29.86	11	6 p. m.	29.96	28	6 p. m.	29.78
	Catharina Sophia, Surinam	29.89	5	6 a. m.	29.99	17	6 p. m.	29.76

a Same height at 2 p. m. on the 9th.
b Same height at 9 p. m. on the 15th.
c Same height at 9 p. m. on the 1st.
d Same height at 2 p. m. on the 15th and at 2 p. m. on the 23d.
e Not corrected for temperature.
f Same height at 3 p. m. on the 22d.
g Same height at 2 p. m. on the 15th.
h Same height at 9 p. m. on the 26th.
i Same height at 2 and 9 p. m. on the 15th.
j Same height at 9 p. m. on the 12th.
k For the first 21 days only.
l Mean obtained from daily maximum and minimum.
m Aneroid.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.60	13	9 a. m.	30.10	21	9 a. m.	28.90
	Montreal	29.84	19	9 p. m.	30.46	21	2 p. m.	29.12
	Rigolet (*a*)	29.68	4	Sunset.	30.28	10	Sunrise.	28.60
	St. John's	29.28	4	7 a. m.	29.82	26	9 p. m.	28.46
	St. Martin	29.73	13	2 p. m.	30.27	21	2 p. m.	29.02
	Toronto	29.62	13	6 a. m.	30.15	21	6 a. m.	28.92
	Windsor	29.62	14	7 a. m.	30.38	9	2 p. m.	28.61
	Wolfville	29.73	31	9 p. m.	30.36	9	2 p. m.	28.85
Maine	Gardiner	29.62	13	9 p. m.	30.21	9	2 p. m.	28.88
	Portland	29.74	13	9 p. m.	30.37	9	7 a. m.	28.99
	Steuben	29.69	30	9 p. m.	30.35	9	2 p. m.	28.58
New Hampshire	Concord	29.39	13	2 p. m.	29.82	9	7 a. m.	29.00
	Concord, [Sawyer]	29.38	20	7 a. m.	29.96	9	2 p. m.	28.83
	Shelburne	29.58	13	9 p. m.	30.12	9	2 p. m.	28.97
Vermont	Burlington	29.52	13	7 a. m.	30.14	21	2 p. m.	28.88
	Norwich (*b*)	29.57	13	2 p. m.	30.08	18	7 a. m.	29.18
	St. Johnsbury	29.23	13	9 p. m.	29.82	9	2 p. m.	28.56
Massachusetts	Amherst	29.64	13	9 p. m.	30.21	9	7 a. m.	28.96
	Bridgewater	29.65	13	7 p. m.	30.26	9	7 a. m.	28.96
	Cambridge	29.80	13	9 p. m.	*c* 30.43	9	7 a. m.	29.08
	Lawrence	29.73	13	9 p. m.	30.36	9	7 a. m.	29.00
	Nantucket	29.84	13	9 p. m.	30.44	9	7 a. m.	29.07
	New Bedford	29.77	13	9 p. m.	30.39	9	7 a. m.	29.02
	Newburyport	29.82	13	9 p. m.	30.45	9	7 a. m.	29.08
	Westfield	29.77	13	2 p. m.	30.33	9	7 a. m.	*d* 29.16
	Williamstown	29.13	13	9 p. m.	29.69	9	2 p. m.	28.49
	Worcester	29.32	13	9 p. m.	30.22	9	7 a. m.	28.62
Rhode Island	Providence	29.72	13	10 p. m.	30.34	9	Sunrise.	28.97
Connecticut	Pomfret	29.24	13	9 p. m.	29.80	9	7 a. m.	28.52
	Wallingford	29.78	13	9 p. m.	30.36	9	7 a. m.	29.10
New York	Bellport	29.24	13	9 p. m.	29.77	8	9 p. m.	*e* 28.73
	Buffalo	29.31	13	8 a. m.	29.85	21	8 a. m.	28.65
	Canton	29.34	14	7 a. m.	*f* 29.91	12	7 a. m.	28.77
	Cazenovia	28.49	13	2 p. m.	29.00	9	7 a. m.	*g* 29.74
	Fishkill (*a*)	30.07	13	2 p. m.	*h* 30.65	9	7 a. m.	*d* 29.45
	Flatbush	29.83	13	9 p. m.	30.39	9	7 a. m.	29.24
	Fort Edward	29.70	14	2 p. m.	30.28	9	2 p. m.	29.06
	New York city	29.89	13	2 p. m.	30.44	9	7 a. m.	29.08
	Rochester	29.40	13	7 a. m.	29.90	21	7 a. m.	*g* 28.81
	Sag Harbor	29.63	13	9 p. m.	30.25	9	7 a. m.	28.95
	Waterford	29.85	13	2 p. m.	30.40	9	2 p. m.	29.26
New Jersey	Bloomfield	29.84	13	9 p. m.	30.39	9	2 p. m.	29.27
	Lambertville	29.92	13	9 p. m.	30.41	9	7 a. m.	*d* 29.36
	Newark	29.96	13	6 p. m.	30.48	21	6 p. m.	29.34
Pennsylvania	Bedford	29.00	13	7 a. m.	29.61	9	2 p. m.	*i* 28.56
	Berwick (*a*)	29.23	13	7 a. m.	29.75	9	2 p. m.	28.58
	Byberry	29.88	13	2 p. m.	30.13	9	7 a. m.	29.31
	Cannonsburg	28.80	20	2 p. m.	29.22	10	2 p. m.	28.36
	Chromedale	29.80	13	2 p. m.	30.31	21	9 p. m.	29.13
	Easton	29.42	13	2 p. m.	29.92	9	7 a. m.	28.89
	Gettysburg	29.43	13	7 a. m.	29.89	21	2 p. m.	28.82
	Harrisburg, [Heisely]	29.71	13	2 p. m.	30.20	21	2 p. m.	29.21
	Harrisburg, [Hickok]	29.66	13	7 a. m.	30.15	21	2 p. m.	29.05
	Indiana (*a*)	28.64	13	7 a. m.	29.05	9	7 a. m.	28.17
	Lewisburg	29.49	13	7 a. m.	29.99	21	2 p. m.	28.84
	Morrisville	30.01	13	2 p. m.	*j* 30.52	21	2 p. m.	29.46
	Mount Joy (*a*)	29.60	13	2 p. m.	30.04	9	7 a. m.	29.04

* For hours of observation, &c., see thermometer tables.

a Not corrected for temperature.
b Incomplete.
c Same height at 7 a. m. on the 18th.
d Same height at 2 p. m. on the 9th.
e Same height at 7 a. m. and 2 p. m. on the 10th.
f Same height at 2 p. m. on the 14th.
g Same height at 2 p. m. on the 21st.
h Same height at 9 p. m. on the 13th.
i Same height at 9 p. m. on the 8th.
j Same height at 2 p. m. on the 13th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Murrysville	28.81	13	7 a. m.	29.26	21	7 a. m.	28.32
	Norristown	29.85	13	2 p. m.	30.38	9	7 a. m.	29.29
	Philadelphia	29.81	13	2 p. m.	30.27	21	2 p. m.	29.31
	Pittsburg, [Marine Hospital]	28.91	13	2 p. m.	29.36	21	7 a. m.	28.42
	Pittsburg, [Oakland Observatory] (*a*)	28.86	13	7 a. m.	*b* 29.28	9	7 a. m.	28.35
	Reading	29.58	13	2 p. m.	30.07	21	2 p. m.	29.07
	Somerset	27.59	13	2 p. m.	27.98	9	2 p. m.	27.12
	Westtown	29.36	13	2 p. m.	29.88	21	2 p. m.	28.75
Delaware	Milford	29.66	13	2 p. m.	30.16	8	2 p. m.	29.11
Maryland	Annapolis	29.99	13	2 p. m.	30.45	21	2 p. m.	29.45
	Baltimore	29.78	13	9 p. m.	30.48	21	2 p. m.	29.25
	Chestertown	29.94	13	9 p. m.	30.53	21	2 p. m.	29.37
	Frederick	29.69	13	7 a. m.	30.19	21	2 p. m.	29.08
	Oakland	29.50	13	7 a. m.	27.89	9	7 a. m.	26.99
Dist. of Columbia	Washington	29.97	13	2 p. m.	30.45	21	2 p. m.	29.40
Virginia	Alexandria	29.97	13	7 a. m.	30.41	21	2 p. m.	29.44
	Portsmouth	30.01	13	9 p. m.	30.48	8	2 p. m.	29.31
	Rose Hill	29.89	13	7 a. m.	30.44	8	2 p. m.	29.36
	Ruthven	29.66	13	7 a. m.	*b* 30.13	8	2 p. m.	29.09
North Carolina	Asheville	27.73	13	9 a. m.	28.15	8	2 p. m.	27.10
	Chapel Hill	29.56	13	7 a. m.	30.07	8	2 p. m.	28.93
	Davidson College	29.16	13	7 a. m.	29.63	8	7 a. m.	28.51
	Murfreesborough	29.36	13	7 a. m.	29.79	8	2 p. m.	28.95
South Carolina	All Saints	29.99	13	2 p. m.	30.45	8	7 a. m.	29.20
	Charleston, [Dawson]	------	------	------	30.59	------	------	29.47
	Charleston, [Johnson]	30.10	13	7 a. m.	30.53	8	2 p. m.	29.40
	St. John's (*c*)	30.18	13	2 p. m.	30.65	1	2 p. m.	29.75
Georgia	Athens	29.29	13	7 a. m.	29.71	8	7 a. m.	28.60
	Hillsborough	29.44	13	7 a. m.	29.81	1	7 a. m.	29.19
	Savannah	30.05	13	7 a. m.	30.46	8	7 a. m.	*d* 29.36
	Sparta	29.30	13	7 a. m.	29.70	8	7 a. m.	28.59
Florida	Atsena	29.82	14	7 a. m.	*e* 30.10	8	7 a. m.	*d* 29.30
	Jacksonville	30.11	13	9 p. m.	30.45	8	2 p. m.	29.45
	St. Augustine	30.10	15	7 a. m	*f* 30.45	7	9 p. m.	29.43
	Salt Ponds (*a*)	29.73	3	2 p. m.	29.96	8	7 a. m.	29.39
Alabama	Greensborough	29.63	4	7 a. m.	29.9[illegible]	25	7 a. m	29.02
Mississippi	Columbus	29.82	4	7 a. m.	30.16	7	9 p. m.	29.34
	Paulding	29.70	2	7 a. m.	30.03	7	9 p. m.	29.18
Texas	Goliad	29.94	1	9 p. m.	30.37	29	9 p. m.	29.59
Tennessee	Glenwood	29.56	4	9 p m	29.9[illegible]	7	9 p. m.	29.15
	Memphis	29.77	3	7 a. m.	30.09	7	2 p. m.	29.33
Kentucky	Bardstown (*c*)	30.00	12	9 p m.	30.40	8	7 a. m.	29.61
	Millersburg	29.19	5	7 a. m.	*g* 29.49	28	9 p m.	28.69
	Paris	29.18	13	7 a. m.	29.55	17	2 p. m.	28.74
	Springdale	29 43	4	7 a m.	29.79	17	2 p. m.	29.04
Ohio	Bowling Green	29.22	13	7 a. m	*h* 29.64	17	2 p. m	28.69
	Cincinnati, [Harper]	29.53	13	7 a. m.	29.82	17	2 p. m.	28.95
	Cincinnati, [Hurtt]	29.26	5	7 a. m.	29.81	17	2 p. m.	28.55
	Cleveland (*c*)	29.01	13	7 a m	29.44	21	7 a. m.	28.53
	Hillsborough	28.82	13	7 a. m.	29.23	17	2 p m.	28.47
	Medina	28.77	14	7 a. m.	29.2[illegible]	21	7 a. m.	28.28
	New Lisbon (*a*)	28.59	13	7 a. m.	29.03	21	7 a. m.	28.15
	Northwood	28.82	12	9 p. m.	29.18	17	2 p. m.	28.29
	Ripley	29.42	13	7 a. m.	29.81	10	9 p. m.	29.05
	Savannah	28.86	12	9 p m.	*i* 29.30	17	2 p m.	28.36
	Urbana	28.87	13	7 a m.	29.31	17	2 p. m.	28.40
	Westerville	28.87	13	7 a. m.	29.29	17	2 p. m.	28.43
Michigan	Battle Creek	29.71	6	7 a. m.	29.51	17	2 p. m.	28.54

a Not corrected for temperature.
b Same height at 2 p. m. on the 13th.
c Aneroid.
d Same height at 2 p. m. on the 8th.
e Same height at 9 p. m. on the 13th and 14th, and 7 a. m. on the 15th.
f Same height at 9 p. m. on the 14th.
g Same height at 9 p. m. on the 5th.
h Same height at 7 a. m. on the 5th.
i Same height at 7 a. m. on the 13th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	Marquette	29.32	5	7 a. m.	29.92	10	9 p. m.	*a* 28.63
	New Buffalo	29.29	5	7 a. m.	29.69	17	1 p. m.	28.65
Indiana	Evansville	28.87	4	7 a. m	29.20	17	7 a. m.	28.43
	Madison	29.50	12	9 p. m.	29.89	17	2 p. m.	28.99
	Michigan City	29.26	5	7 a. m.	29.66	17	2 p. m.	28.66
	New Harmony	29.68	12	2 p. m.	*b* 30.09	17	7 a. m.	29.20
	Richmond (*c*)	28.98	5	2 p. m.	29.35	8	2 p. m.	28.66
Illinois	Athens	29.40	12	7 a. m.	29.81	10	2 p. m.	28.88
	Batavia	29.12	29	9 p. m.	*d* 29.35	17	2 p. m.	28.63
	Manchester	28.83	13	7 a. m.	29.44	17	1 p. m.	28.34
	West Urbana	29.23	12	2 p. m.	29.69	17	2 p. m.	28.77
	Wheaton	29.22	5	7 a. m.	29.63	17	2 p. m.	28.59
Missouri	St. Louis	29.56	12	7 a. m.	29.96	10	2 p. m.	29.12
	Springfield	28.65	12	3 p. m.	29.21	16	9 p. m.	28.32
Wisconsin	Appleton	28.96	5	7 a. m.	29.46	17	2 p. m	28.25
	Beloit	29.17	5	7 a. m.	29.56	17	2 p. m.	28.52
	Kenosha (*e*)	29.46	5	7 a. m.	29.85	17	2 p. m.	28.82
	Madison, [Sterling]	28.96	5	7 a. m.	29.41	17	2 p. m.	28.30
	Manitowoc (*f*)	29.72	5	7 a. m.	30.22	17	2 p. m.	29.03
	Milwaukee, [Winkler]	29.24	5	7 a. m.	29.69	17	2 p. m.	28.62
	Racine (*f*)	29.15	12	9 p. m.	29.58	17	2 p. m.	28.52
	St. Croix	29.14?	5	7 a. m.	29.50	10	2 p. m.	28.50
	Waukesha	29.13	5	7 a. m.	29.49	17	2 p. m.	28.45
Iowa	Dubuque	29.31	5	7 a. m.	29.73	17	2 p. m.	28.67
	Fairfield	29.17	12	7 a. m.	29.61	17	7 a. m.	28.60
	Muscatine	29.62	12	7 a. m.	*g* 29.89	17	7 a. m.	28.94
Minnesota	Wabashaw	29.12	5	7 a. m.	29.53	11	2 p. m.	28.43
Kansas	Lawrence	29.05	12	7 a. m.	29.47	16	9 p. m.	28.59
	Leavenworth City	28.66	12	7 a. m.	28.99	16	9 p. m.	28.49
Mexico	Cordova	27.11	2	9 a. m	27.42	6	3 p. m.	26.82
	Mirador	22.76	2	7 a. m.	23.07	6	2 p. m.	22.51
	Vera Cruz	29.97	2	10 a. m.	30.35	7	6 a. m.	29.68
California	Sacramento, [Logan]	30.02	30	7 a. m.	30.21	27	7 a. m.	29.68
	San Francisco	29.95	30	7 a. m.	30.14	27	7 a. m.	29.62
West Indies	Nassau, Bahamas (*h*)	30.12	15	-------	30.31	8	-------	29.76
	St. George's, Bermuda	29.81	14	9½ a. m.	30.30	9	9½ a. m.	29.40
Central America	Guatemala	25.23	------	-------	25.39	------	-------	25.08
South America	Catharina Sophia, Surinam (*i*)	29.82	10	2 p. m.	29.92	20	6 p. m.	*j* 29.74
	Catharina Sophia, Surinam	29.84	10	2 p. m.	29.93	20	6 p. m.	29.76

a Same height at 9 p. m. on the 20th and at 7 a. m. on the 21st.
b Same height at 9 p. m. on the 12th.
c Observations omitted from 11th to 23d, inclusive.
d Same height at 7 a. m. on the 30th.
e Incomplete.
f Not corrected for temperature.
g Same height at 2 p. m. on the 12th.
h Mean obtained from daily maximum and minimum.
i Aneroid.
j Same height at 2 p. m. on the 22d.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.53	7	9 a. m.	29.98	14	9 a. m.	*a* 29.10
	Montreal	29.84	19	7 a. m.	30.37	14	2 p. m.	29.38
	Rigolet (*b*)	29.83	26	Sunset.	30.44	3	Sunrise	*c* 29.40
	St. John's	29.38	26	7 a. m.	*d* 29.96	8	7 a. m.	*e* 28.94
	St. Martin	29.76	19	6 a. m.	30.20	14	2 p. m.	29.26
	Toronto	29.50	7	6 a. m.	30.00	30	6 a. m.	29.03
	Windsor	29.79	2	7 a. m.	30.25	14	9 p. m.	29.30
	Wolfville	29.83	1	2 p. m.	30.22	15	2 p. m.	29.37
Maine	Gardiner	29.72	19	7 a. m.	30.12	28	7 a. m.	29.20
	Perry	29.80	1	9 p. m.	30.24	28	7 a. m.	29.13
	Portland	29.83	19	7 a. m.	30.24	14	2 p. m.	*f* 29.34
	Steuben	29.81	1	9 p. m.	30.21	15	2 p. m.	29.21
New Hampshire	Concord	29.50	19	7 a. m.	29.92	14	2 p. m.	29.02
	Shelburne	29.67	19	7 a. m.	30.06	14	9 p. m	*g* 29.24
Vermont	Burlington	29.52	19	7 a. m.	29.91	14	2 p. m.	29.04
	Norwich (*h*)	29.61	1	7 a. m.	29.92	14	7 a. m.	29.15
	St. Johnsbury	29.26	19	7 a. m.	29.71	14	2 p. m.	28.78
Massachusetts	Amherst	29.66	19	2 p. m.	30.09	14	2 p. m.	29.20
	Bridgewater	29.68	19	7 a. m.	30.09	21	7 a. m.	29.21
	Cambridge	29.84	19	7 a. m.	30.27	21	7 a. m.	29.39
	Lawrence	29.79	1	9 p. m.	30.17	21	7 a. m.	29.33
	Nantucket	29.88	1	9 p. m.	30.25	21	7 a. m.	29.38
	New Bedford	29.81	1	9 p m.	*i* 30.18	21	7 a. m.	29.31
	Newburyport	29.85	19	7 a. m	30.30	15	2 p. m.	29.41
	Westfield	29.79	19	7 a. m.	30.17	14	2 p. m.	29.34
	Williamstown	29.17	26	9 p. m	29.63	15	7 a. m.	28.70
	Worcester	29.35	1	9 p. m.	29.69	21	2 p. m.	28.92
Rhode Island	Providence	29.72	19	6 a. m.	30.19	21	6 a. m.	29.28
Connecticut	Pomfret	29.27	19	7 a. m.	29.67	14	7 a. m.	28.79
	Wallingford	29.79	19	7 a. m.	30.17	14	7 a. m.	29.30
New York	Bellport	29.21	8	7 a. m.	29.50	21	7 a. m.	28.83
	Buffalo	29.25	7	8 a. m.	29.73	20	9 p. m.	28.79
	Canton	29.32	19	7 a. m.	29.76	30	7 a. m.	28.83
	Cazenovia	28.49	19	7 a. m	28.85	21	7 a. m.	27.99
	Fishkill Landing (*b*)	30.09	19	7 a. m	30.50	14	7 a. m	29.65
	Flatbush	29.82	19	2 p. m.	30.19	14	7 a. m	29.36
	Fort Edward	29.71	19	7 a. m	30.17	14	2 p. m	29.23
	New York city	29.86	19	2 p. m.	30.22	14	7 a. m	29.38
	Rochester	29.35	19	7 a. m	29.71	30	7 a. m	28.86
	Sag Harbor	29.64	19	2 p. m.	30.00	14	7 a. m.	29.10
	Waterford	29.85	19	7 a. m.	30.25	21	7 a. m	29.40
New Jersey	Bloomfield	29.84	8	7 a. m.	30.19	14	7 a. m.	29.34
	Lambertville	29.87	19	2 p. m	*j* 30.18	14	2 p m.	29.43
	Newark	29.84	1	9 p. m.	30.22	14	9 p. m.	29.40
Pennsylvania	Bedford	29.10	7	7 a. m.	29.35	13	9 p. m.	28.60
	Berwick (*b*)	29.22	?	----------	?	21	7 a. m.	28.75
	Byberry	29.85	8	7 a. m.	30.19	14	7 a. m.	*k* 29.40
	Cannonsburg	29.68	7	7 a. m.	29.14	12	9 p. m.	28.24
	Easton	29.42	8	7 a. m.	29.71	14	2 p. m.	28.96
	Gettysburg	29.41	7	7 a. m.	29.79	20	9 p. m.	29.03
	Harrisburg, [Heisely]	29.66	7	7 a. m.	30.01	14	2 p. m.	*l* 29.23
	Harrisburg, [Hickok]	29.62	7	7 a. m.	29.98	14	2 p. m.	29.17
	Indiana	28.51	7	7 a. m.	28.88	13	2 p. m	*m* 28.12
	Lewisburg	29.45	7	7 a. m	29.82	14	2 p. m.	29.00
	Morrisville	29.97	8	7 a. m	30.32	21	7 a. m.	29.55

* For hours of observation, &c., see thermometer tables.

a Same height at 9 p. m. on the 20th, 22d, and 29th.
b Not corrected for temperature.
c Same height at sunset on the 15th and at sunrise on the 25th.
d Same height at 2 p. m. on the 26th.
e Same height at 9 p. m. on the 8th.
f Same height at 9 p. m. on the 28th.
g Same height at 7 a. m., 2 p. m., and 9 p. m., on the 15th.
h Incomplete.
i Same height at 7 a. m. and 2 p. m. on the 19th.
j Same height at 9 p. m. on the 19th.
k Same height at 2 p. m. on the 14th.
l Same height at 7 a. m. on the 14th.
m Same height at 9 p. m. on the 13th.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Mount Joy (*a*)	29.57	24	9 p. m.	29.89	13	9 p. m.	29.12
	Murrysville	28.73	7	7 a. m.	29.14	13	2 p. m.	28.29
	Norristown	29.79	8	7 a. m.	30.16	14	2 p m.	29.30
	Philadelphia	29.75	8	7 a. m.	30.05	14	2 p. m.	29.32
	Pittsburg, [Marine Hospital]	28.81	7	7 a. m.	29.30	13	2 p. m.	*b* 28.42
	Pittsburg, [Oakland Observatory] (*a*)	28.78	7	2 p. m.	29.11	12	9 p. m.	28.32
	Reading	29.56	8	7 a. m.	29.90	14	2 p. m	*c* 29.14
	Somerset	27.55	7	2 p. m.	27.84	14	2 p. m	27.16
	Westtown (*d*)	29.33	8	7 a. m.	29.65	14	2 p m.	28.84
Delaware	Milford	29.57	8	7 a. m.	29.91	14	2 p. m	29.18
Maryland	Annapolis	29.93	7	7 a. m.	30.29	13	9 p. m.	29.48
	Baltimore	29.83	7	7 a. m.	30.21	13	9 p. m.	29.37
	Chestertown	29.88	8	2 p. m.	30.22	13	9 p. m.	29.39
	Frederick	29.64	7	7 a. m.	30.03	13	9 p. m	29.17
	Oakland	27.42	7	7 a. m.	27.73	13	2 p. m.	27.03
Dist. of Columbia	Washington	29.90	7	7 a. m.	30.29	13	9 p. m.	29.40
Virginia	Alexandria	29.90	7	7 a. m.	30.25	13	9 p. m.	29.44
	Portsmouth	29.89	7	7 a. m.	30.27	13	2 p. m.	29.44
	Rose Hill	29.90	7	7 a. m.	30.26	13	9 p. m.	29.48
	Ruthven	29.55	7	7 a. m.	29.83	21	7 a. m.	29.18
North Carolina	Asheville	27.67	7	7 a. m.	27.99	13	2 p. m	*e* 27.24
	Chapel Hill	29.45	7	7 a. m.	29.81	13	2 p. m.	29.02
	Davidson College	29.06	28	7 a. m.	29.41	12	9 p. m.	28.62
	Murfreesborough	29.22	26	7 a. m.	29.56	13	2 p. m.	28.81
South Carolina	All Saints	29.88	28	7 a. m.	30.22	2	2 p. m.	29.48
	Charleston, [Dawson]				30.35			29.73
	Charleston, [Johnson]	29.99	28	7 a. m	30.33	2	2 p. m	29 63
	Columbia	29.66	28	7 a. m	30.02	12	9 p. m.	29.20
	St. John's (*f*)	30.08	28	2 p m.	30.40	2	7 a. m.	29.65
Georgia	Athens	29.21	7	7 a. m.	29.58	13	2 p. m.	28.73
	Hillsborough	29.32	28	2 p. m	29.72	12	2 p. m.	28.88
	Savannah	29.96	28	7 a. m	30.33	1	2 p. m.	29.55
	Sparta	29.23	28	7 a. m.	29.56	12	2 p. m.	28.78
Florida	Atsena	29.78	28	7 a. m.	*e* 30.02	1	7 a. m.	*g* 29.34
	Jacksonville	30.03	28	7 a. m.	30.38	1	2 p. m.	29.57
	St. Augustine	30.06	28	7 a. m.	30.40	1	2 p. m.	29.59
	Salt Ponds (*a*)	29.66	28	2 p. m	29.86	1	7 a. m	29.36
Alabama	Greensborough	29.55	27	7 a. m.	29.93	12	2 p. m.	29.12
Mississippi	Columbus	29.73	27	7 a. m.	30.15	12	7 a. m.	29.33
	Natchez	29.58	27	7 a. m.	30.08	12	9 p. m.	29.23
	Paulding	29.62	27	7 a. m.	29.98	12	2 p. m.	*h* 29.32
Texas	Goliad	29.87	27	7 a. m.	30.25	9	9 p. m	29.51
	Washington	29.54	27	7 a. m.	29.94	9	2 p. m	*i* 29.22
Tennessee	Glenwood	29.43	27	7 a. m	29.84	12	7 a. m.	28.92
	Memphis	29.63	27	7 a. m.	30.14	12	7 a. m.	29.24
Kentucky	Bardstown (*f*)	29.85	28	7 a. m.	30.25	13	2 p. m.	29.25
	Louisville	29.48	27	7 a. m.	29.87	12	3 p. m.	28.91
	Millersburg	29.10	7	7 a. m.	29.41	13	7 a. m.	*j* 28.63
	Paris	29.04	27	7 a. m.	29.39	12	2 p. m.	28.46
	Springdale	29.29	27	7 a. m.	29.69	13	2 p. m.	*k* 28.84
Ohio	Bowling Green	29.10	7	7 a. m	29.56	13	7 a. m.	28.54
	Cincinnati, [Harper]	29.41	7	7 a. m	29.74	12	2 p m.	28.68
	Cincinnati, [Hurtt]	29.01	27	7 a. m	29 54	12	2 p. m	28.30
	Cleveland (*f*)	29.05	6	9 p. m	29.45	12	9 p. m.	*l* 28.66
	Hillsborough	28.78	27	7 a. m.	29.07	12	2 p. m.	28.11
	Lancaster (*f*)	28.67	6	9 p. m.	29.07	12	2 p. m.	28.08
	Medina	28.63	7	7 a. m	29.11	12	9 p. m.	28.19

a Not corrected for temperature.
b Same height at 9 p. m. on the 20th.
c Same height at 9 p. m. on the 13th.
d Incomplete.
e Same height at 2 p. m. on the 28th.
f Aneroid.
g Same height at 2 p. m. on the 1st.
h Same height at 9 p. m. on the 11th.
i Same height at 9 p. m. on the 9th.
j Same height at 2 p. m. and 9 p. m. on the 13th.
k Same height at 7 a. m. and 9 p. m. on the 12th.
l Same height at 7 a. m. on the 13th.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1858.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	New Lisbon (*a*)	28.51	7	7 a. m.	28.90	12	9 p. m.	28.05
	Northwood	28.69	7	7 a. m.	29.09	12	2 p. m.	28.12
	Ripley	29.29	7	7 a. m.	29.65	12	7 a. m.	28.79
	Savannah	28.75	7	7 a. m.	29.19	12	2 p. m.	28.24
	Urbana	28.75	7	7 a. m.	29.16	12	2 p. m.	28.18
	Westerville	28.75	7	7 a. m.	29.16	12	2 p. m.	28.22
Michigan	Battle Creek	28.99	6	9 p. m.	*b* 29.36	8	9 p. m.	28.50
	Detroit	28.78	2	2 p. m.	29.44	13	7 a. m.	28.34
	Marquette	29.23	6	9 p. m.	29.70	9	7 a. m.	28.69
	New Buffalo	29.14	6	9 p. m.	29.60	12	1 p. m.	28.64
Indiana	Cannelton	29.51	27	7 a. m.	29.95	12	2 p. m.	28.98
	Evansville	28.70	27	7 a. m.	29.14	12	2 p. m.	28.17
	Madison	29.35	27	7 a. m.	29.75	12	2 p. m	28.85
	Michigan City	29.12	6	9 p. m	29.55	12	2 p. m.	28.61
	New Harmony	29.52	28	7 a. m.	29.97	13	2 p. m.	28.91
	Richmond	28.83	7	7 a. m	29.19	12	2 p. m.	28.23
Illinois	Athens	29.22	26	7 a. m.	29.67	8	2 p. m	28.60
	Batavia	29.05	6	9 p. m.	29.49	8	2 p. m.	28.56
	Manchester	28.65	3	7 a. m.	29.49	8	1 p. m.	28.11
	West Urbana	29.07	27	7 a. m.	29.48	12	9 p. m.	28.56
	Wheaton	29.06	6	9 p. m.	29.54	8	2 p. m.	28.45
Missouri	St Louis	29.37	26	9 p. m.	*c* 29.83	8	2 p. m	28.78
	Springfield	28.50	26	Sunrise.	*d* 28.94	28?	3 p. m.	28.04
Wisconsin	Appleton	28.83	7	9 p. m.	29.28	9	7 a. m.	28.31
	Beloit	29.03	6	2 p. m.	*e* 29.47	8	9 p. m.	28.48
	Kenosha (*f*)	29.31	6	2 p. m.	29.80	8	9 p. m	28.80
	Madison	28.47	6	2 p. m.	29.32	8	2 p. m.	28.04
	Manitowoc (*a*)	29.60	6	9 p. m.	30.07	8	9 p. m.	28.96
	Milwaukee, [Winkler]	29.13	6	2 p. m.	29.63	8	9 p. m.	28.56
	Racine (*a*)	29.10	27	7 a. m.	*g* 29.87	9	7 a. m.	*h* 28.50
	Waukesha	28.97	6	2 p. m.	29.41	8	9 p. m.	28.41
Iowa	Dubuque	29.16	6	7 a. m.	*i* 29.61	8	2 p. m.	28.41
	Fairfield	29.00	26	7 a. m.	29.48	8	2 p. m.	28.29
	Muscatine	29.30	25	7 a. m.	29.75	8	2 p. m.	28.62
Kansas	Lawrence	28.89	23	7 a. m.	*j* 29.40	11	9 p. m.	28.31
	Leavenworth City, [McCarty]	28.56	26	7 a. m	28.89	8	7 a. m.	28.08
Mexico	Cordova	27.07	28	9 a. m.	27.32	10	6 p. m.	26.82
	Minatitlan (*k*)	29.94	28	7 a. m.	*l* 30.10	18	7 a. m.	29.75
	Mirador	22.72	------	------	------	------	------	------
	Vera Cruz	29.91	27	9 p. m.	30.17	10	6 a. m.	29.59
California	Sacramento	29.99	3	7 a. m.	30.21	27	9 p. m.	29.80
	San Francisco	29.93	20	7 a. m	30.13	13	9 p. m	29.73
West Indies	Nassau, Bahamas (*m*)	30.08	28	------	*n* 30.26	2	------	29.75
	St. George's, Bermuda	29.94	9	9½ a. m	30.17	4	3½ p. m.	29.62
Central America	Guatemala	25.23	------	------	25.37	------	------	25.09
South America	Catharina Sophia, Surinam (*o*)	29.82	6	6 a. m.	*p* 29.88	11	6 p. m.	*q* 28.76
	Catharina Sophia, Surinam	29.86	6	6 a. m.	*p* 29.92	21	6 p. m.	29.73

a Not corrected for temperature.
b Same height at 7 a. m. on the 7th and 26th.
c Same height at 7 a. m. on the 27th.
d Same height at sunrise on the 27th.
e Same height at 9 p. m. on the 6th.
f Observations taken at 7 a. m
g Same height at 2 p. m. on the 27th.
h Same height at 2 p. m. and 9 p. m. on the 8th, and at 9 p. m. on the 12th.
i Same height at 2 p. m. on the 6th.
j Same height at 2 p. m on the 26th.
k For the last 13 days only.
l Same height at 3 p m. on the 28th.
m Mean obtained from daily maximum and minimum.
n Same height on the 29th.
o Aneroid.
p Same height at 6 a. m. on the 7th.
q Same height at 6 p. m. on the 21st.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.61	2	9 a. m.	30.14	11	6 p. m.	29.10
	Montreal	29.95	3	7 a. m.	30.55	24	7 a. m.	29.37
	Rigolet (*a*)	30.03	27	Sunset.	30.25	11	Sunrise.	29.50
	St. John's	29.37	28	2 p. m.	*b* 29.72	4	9 p. m.	28.36
	St. Martin	29.82	3	7 a. m.	30.40	12	7 a. m.	29.39
	Toronto	29.58	3	6 a. m.	30.15	12	6 a. m.	29.11
	Windsor	29.93	29	7 a. m.	30.26	13	2 p. m.	29.55
	Wolfville	29.87	3	7 a. m.	30.21	24	9 p. m.	29.41
Maine	Gardiner	29.85	3	7 a. m.	30.27	24	2 p. m.	29.28
	Perry	29.89	3	7 a. m.	30.31	24	2 p. m.	29.33
	Portland	29.94	3	7 a. m.	30.42	24	2 p. m.	29.32
New Hampshire	Concord	29.59	3	9 p. m.	*c* 29.94	24	2 p. m.	29.03
	Shelburne	29.78	3	7 a. m.	30.19	24	7 a. m.	29.35
Vermont	Burlington	29.61	3	7 a. m.	30.17	24	7 a. m.	29.08
	Norwich (*d*)	29.64	2	9 p. m.	30.15	24	7 a. m.	29.12
	St. Johnsbury	29.37	3	7 a. m.	30.88	24	7 a. m.	28.80
Massachusetts	Amherst	29.73	3	7 a. m.	30.26	24	2 p. m.	29.26
	Bridgewater	29.81	3	7 a. m.	30.26	24	2 p. m.	29.26
	Cambridge	29.96	3	7 a. m.	30.45	24	2 p. m.	29.38
	Lawrence	29.89	3	7 a. m.	30.27	24	2 p. m.	29.29
	Nantucket	30.00	3	7 a. m.	30.42	24	2 p. m.	29.51
	New Bedford	29.92	3	7 a. m.	30.37	24	2 p. m.	29.39
	Newburyport	30.04?	3	7 a. m.	30.48	13	7 a. m.	29.58
	Westfield	29.88	3	7 a. m.	30.34	12	7 a. m.	29.45
	Williamstown	29.22	29	7 a. m.	29.54	24	7 a. m.	28.80
	Worcester	29.45	3	7 a. m.	29.86	24	7 a. m.	29.05
Rhode Island	Providence	29.90	3	6 a. m.	30.37	24	1 p. m.	29.38
Connecticut	Pomfret	29.38	3	7 a. m.	29.84	12	2 p. m.	28.94
	Wallingford	29.89	3	7 a. m.	30.38	24	2 p. m.	29.38
New York	Bellport	29.27	3	7 a. m.	29.64	12	7 a. m.	28.92
	Buffalo	29.31	2	8 a. m.	29.85	11	9 p. m.	28.79
	Canton	29.41	3	7 a. m.	29.97	24	7 a. m.	28.50
	Cazenovia	28.57	3	7 a. m.	29.05	11	9 p. m.	28.08
	Fishkill Landing (*a*)	30.20	3	7 a. m.	30.70	12	7 a. m.	29.77
	Flatbush	29.93	3	7 a. m.	30.37	12	7 a. m.	29.42
	Fort Edward	29.81	3	7 a. m.	30.36	24	7 a. m.	29.27
	New York city	29.97	3	7 a. m.	30.44	24	2 p. m.	29.49
	Rochester	29.42	3	7 a. m.	29.93	11	9 p. m.	28.87
	Sag Harbor	29.69	28	9 p. m.	29.95	24	2 p. m.	29.20
	Waterford	29.92	3	7 a. m.	30.45	12	7 a. m.	29.45
New Jersey	Bloomfield	29.91	3	7 a. m.	30.42	11	9 p. m.	29.46
	Lambertville	29.93	3	2 p. m.	30.36	12	7 a. m.	29.56
	Newark	29.93	3	7 a. m.	30.40	7	7 a. m.	29.38
Pennsylvania	Bedford	29.01	3	7 a. m.	29.42	11	2 p. m.	28.52
	Berwick (*a*)	29.33	3	7 a. m.	29.83	11	9 p. m.	28.83
	Cannonsburg	28.72	2	2 p. m.	29.07	11	2 p. m.	28.20
	Easton	29.46	3	7 a. m.	29.93	11	9 p. m.	29.00
	Gettysburg	29.40	3	7 a. m.	29.81	11	2 p. m.	28.94
	Harrisburg, [Hickok]	29.67	3	7 a. m.	30.14	11	9 p. m.	29.21
	Harrisburg, [Heisely]	29.71	3	7 a. m.	30.17	11	9 p. m.	29.25
	Lewisburg	29.51	3	7 a. m.	30.01	11	9 p. m.	29.07
	Morrisville	30.00	3	7 a. m.	30.46	11	9 p. m.	29.55
	Mount Joy (*a*)	29.64	3	7 a. m.	30.09	11	9 p. m.	29.19
	Murrysville	28.77	2	7 a. m.	29.12	11	2 p. m.	28.28
	Norristown	29.86	4	7 a. m.	30.50	11	9 p. m.	29.46
	Philadelphia	29.80	3	7 a. m.	30.25	11	9 p. m.	29.39
	Pittsburg	28.86	3	7 a. m.	29.24	11	2 p. m.	28.32

* For hours of observation, &c., see thermometer tables.

a Not corrected for temperature.
b Same height at 7 a. m. on the 31st.
c Same height at 9 p. m. on the 28th.
d Incomplete.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Pittsburg, [Oakland Observatory] (*a*)	28.89	2	2 p. m.	29.23	11	2 p. m.	28.30
	Somerset	27.61	3	7 a. m.	*b* 27.92	11	2 p. m.	27.15
	Westtown	29.38	3	7 a. m.	29.85	11	9 p. m.	28.92
Delaware	Milford	29.59	3	7 a. m.	30.07	6	7 a. m.	*c* 29.27
Maryland	Annapolis	29.98	3	7 a. m.	30.41	11	9 p. m.	29.56
	Baltimore	29.89	3	7 a. m.	30.34	11	2 p. m.	29.44
	Chestertown	29.93	3	7 a. m.	30.41	11	9 p. m.	29.48
	Frederick	29.69	3	7 a. m.	30.14	11	2 p. m.	29.17
	Oakland	27.51	3	7 a. m.	27.83	11	2 p. m.	27.00
Dist. of Columbia	Washington	29.95	3	7 a. m.	30.39	11	2 p. m.	29.47
Virginia	Alexandria	29.96	3	7 a. m.	30.38	11	2 p. m.	29.51
	Portsmouth	29.97	3	2 p. m.	30.38	11	9 p. m.	29.54
	Rose Hill	29.91						
	Ruthven	29.56	3	7 a. m.	*b* 29.93	11	2 p. m.	29.07
North Carolina	Ashville	27.71	3	7 a. m.	27.96	11	7 a. m.	27.32
	Chapel Hill	29.52	3	7 a. m.	29.90	11	2 p. m.	29.09
	Davidson College	29.13	3	7 a. m.	29 46	11	7 a. m.	*d* 28.77
	Murfreesborough	29.20	3	7 a. m.	29.58	26	2 p. m.	28 92
South Carolina	All Saints	29.95	3	7 a. m.	30.23	11	2 p. m.	29.63
	Charleston, [Dawson]				30.44			29.91
	Charleston, [Johnson]	30.05	23	7 a. m.	30.31	6	2 p. m.	*e* 29.78
	Columbia	29.74	23	7 a. m.	30.06	5	2 p. m.	29.44
	St. John's (*f*)	30.18	23	2 p. m.	30.48	11	7 a. m.	29.91
Georgia	Athens	29.26	23	7 a. m.	29.51	20	9 p. m.	28.94
	Hillsborough	29.38	23	7 a. m.	29.52	10	9 p. m.	29.10
	Savannah	30.02	23	7 a. m.	30.27	6	2 p. m.	29.76
	Sparta	29.28	23	7 a. m.	29.51	11	7 a. m.	28.98
Florida	Atsena	29.84	23	2 p. m.	30.00	10	9 p. m.	29.65
	Jacksonville	30.07	14	2 p. m.	30.28	6	2 p. m.	29.81
	St. Augustine	30.12	23	7 a. m.	30.34	10	9 p. m.	29.87
	Salt Ponds (*a*)	29.68	3	2 p. m.	*g* 29.75	5	7 a. m.	29.55
Alabama	Greensborough	29.59	21	7 a. m.	29.77	10	2 p. m.	29.20
Mississippi	Columbus	29.77	21	7 a. m.	30.02	10	2 p. m.	29.27
	Natchez	29.59	7	7 a. m.	*h* 29.75	10	7 a. m.	29.15
	Paulding	29.67	21	7 a. m.	29.85	10	7 a. m.	29.38
Texas	Goliad	29.90	17	9 p. m.	30.17	9	2 p. m.	29.65
	New Braunfels (*a*)	29.75	11	7 a. m.	27.92	28	9 p. m.	*i* 27.45
	Washington	29.56	20	7 a. m.	29.74	28	9 p. m.	29.35
Tennessee	Glenwood	29.48	21	7 a. m.	29.80	10	9 p. m.	28.92
	Memphis	29.68	11	7 a. m.	30.07	10	2 p. m.	29.13
Kentucky	Bardstown (*f*)	29.93	21	2 p. m	30.29	11	7 a. m.	29.35
	Louisville	29.43	21	7 a. m.	29.79	11	7 a. m.	28.87
	Millersburg	29.11	21	7 a. m.	29.41	11	7 a. m.	28.59
	Paris	29.10	21	7 a. m.	29.44	11	7 a. m	28.60
	Springdale	29.34	21	7 a. m.	29.69	11	7 a. m.	28.79
Ohio	Bowling Green	29.16	2	2 p. m.	29.64	11	7 a. m.	28.65
	Cincinnati, [Harper]	29.36	2	7 a. m.	29.72	11	7 a. m.	28.83
	Cincinnati, [Hurtt]	28.99	22	7 a. m.	29.42	25	9 p. m.	28.58
	Cleveland (*f*)	29.09	22	7 a. m.	*j* 29.36	11	2 p. m.	28.60
	Dayton	29.03	2	7 a. m.	29.41	11	7 a. m.	28.55
	Hillsborough	28.75	2	7 a. m.	29.10	11	7 a. m.	28.23
	Lancaster (*f*)	28.74	2	2 p. m.	29.10	11	7 a. m.	28.22
	Medina	28.79	2	2 p. m.	29.17	11	2 p. m.	28.19
	New Lisbon (*a*)	28.56	2	7 a. m.	*j* 28.92	11	2 p. m.	28.03
	Northwood	28.74	2	7 a. m.	*j* 29.12	11	7 a. m.	28.24
	Ripley	29.31	22	7 a. m.	29.65	11	7 a. m.	28.80
	Savannah	28.80	2	2 p. m.	29.25	11	2 p. m.	28.28

a Not corrected for temperature.
b Same height at 2 p. m. on the 3d.
c Same height at 2 p. m. on the 6th.
d Same height at 2 p. m. on the 11th.
e Same height at 7 a. m. and 2 p. m. on the 11th.
f Aneroid.
g Same height at 2 p. m. on the 13th.
h Same height at 9 p. m. on the 7th, and at 7 a. m. and 2 p. m. on the 13th and 21st.
i Same height at 2 p. m. on the 29th.
j Same height at 2 p. m. on the 2d.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Urbana	28.80	2	7 a. m.	29.17	11	2 p. m.	28.31
	Westerville	28.80	2	7 a. m.	*a* 29.14	11	7 a. m.	28.29
Michigan	Battle Creek	29.04	2	7 a. m.	29.49	25	9 p. m.	28.60
	Detroit	28.84	2	2 p. m.	*a* 29.28	26	7 a. m.	28.46
	Marquette	29.34	2	7 a. m.	29.94	31	7 a. m.	28.85
	New Buffalo	29.23	2	1 p. m.	29.64	25	1 p. m.	28.84
Indiana	Cannelton	29.55	21	7 a. m.	29.91	10	9 p. m.	29.01
	Evansville	28.72	21	7 a. m.	29.09	10	9 p. m.	28.21
	Madison	29.39	2	7 a. m.	*b* 29.73	11	7 a. m.	28.84
	Michigan City	29.19	2	2 p. m.	29.59	25	9 p. m.	28.87
	New Harmony	29.58	21	7 a. m.	29.92	10	9 p. m.	29.04
	Richmond	28.90	2	7 a. m.	29.26	11	7 a. m.	28.32
Illinois	Athens	29.31	21	7 a. m.	29.66	25	2 p. m.	28.93
	Batavia	29.12	2	9 p. m.	29.53	30	9 p. m.	28.74
	Manchester	28.73	21	7 a. m.	29.05	25	7 a. m.	28.44
	West Urbana	29.12	2	7 a. m.	29.45	25	9 p. m.	28.74
	Wheaton	29.15	2	7 a. m.	29.62	30	9 p. m.	28.72
Missouri	St. Louis	29.45	21	7 a. m.	29.80	25	2 p. m.	29.08
Wisconsin	Appleton	28.90	2	7 a. m.	29.48	31	7 a. m.	28.54
	Beloit	29.09	2	7 a. m.	29.59	30	9 p. m.	28.68
	Kenosha (*c*)	29.42	2	7 a. m.	29.90	30	9 p. m.	28.98
	Madison	28.98	2	7 a. m.	29.47	23	2 p. m.	28.60
	Manitowoc (*d*)	29.69	2	7 a. m.	30.28	30	9 p. m	29.22
	Milwaukee, [Winkler]	29.22	2	7 a. m.	29.73	30	9 p. m.	28.80
	Waukesha	29.08	3	7 a. m.	29.63	30	9 p. m.	28.66
Iowa	Dubuque	29.25	2	7 a. m.	29.77	30	9 p. m.	28.77
	Fairfield	29.11	2	7 a. m.	29.49	30	9 p. m.	28.69
	Muscatine	29.43	2	7 a. m.	29.77	30	9 p. m.	28.91
Minnesota	Wabashaw	29.07?	2	7 a. m.	29.64	30	9 p. m.	28.68
Kansas	Lawrence	29.00	20	7 a. m.	29.43	30	2 p. m.	28.53
	Leavenworth City, [McCarty]	28.58	20	7 a. m.	28.92	30	2 p. m.	28.31
Mexico	Cordova	27.07	11	9 p. m.	27.26	1	3 p. m.	26.88
	Minatitlan	29.88	12	7 a. m.	30.03	1	7 a. m.	29.74
	Mirador	22.76	------	------	------	------	------	------
	Vera Cruz	29.90	11	10 p. m.	30.11	1	3 p. m.	29.69
California	Sacramento	29.97	16	7 a. m.	30.16	31	9 p. m.	29.76
	San Francisco	29.91	16	9 p. m.	30.11	30	9 p. m.	29.73
West Indies	Nassau, Bahamas (*f*)	30.09	13	------	*g* 30.16	27	------	29.98
Central America	Guatemala	25.22	------	------	25.32	------	------	25.12
South America	Catharina Sophia, Surinam (*h*)	29.83	28	2 p. m.	29.88	1	6 p. m.	*i* 29.80
	Catharina Sophia, Surinam	29.87	3	6 a. m.	*j* 29.92	12	6 p. m.	*k* 29.75

a Same height at 9 p. m. on the 2d.
b Same height at 7 a. m. on the 21st.
c Imperfect.
d Not corrected for temperature.
e Same height at 2 p. m. on the 2d.
f Mean obtained from daily maximum and minimum.
g Same height on the 17th.
h Aneroid.
i Same height at 9 p. m. on the 17th, and at 2 p. m. on the 24th.
j Same height at 6 a. m. on the 9th, 24th, and 29th.
k Same height at 6 p. m. on the 22d.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Hamilton	29.66	8	9 a. m.	29.93	10	9 a. m.	29.36
	Montreal	29.89	3	7 a. m.	30.18	10	9 p. m.	29.25
	Rigolet (*a*)	29.80	3	Sunset.	30.15	30	Sunset.	29.30
	St. John's	29.34	2	7 a. m	29.83	19	7 a. m.	28.52
	St. Martin	29.77	3	7 a. m.	30.00	10	9 p. m.	29.34
	Toronto	29.60	8	6 a. m.	29.87	10	2 p. m.	29.15
	Windsor	29.90	23	7 a. m.	30.13	11	7 a. m	29.49
Maine	Gardiner	29.80	9	7 a. m.	30.02	11	7 a. m.	29.44
	Perry	29.91	27	7 a. m.	30.41	11	7 a. m.	29.48
	Portland	29.89	9	7 a. m	30.11	11	7 a. m.	29.53
New Hampshire	Concord	29.59	8	7 a. m.	29.86	10	9 p. m.	*b* 29.26
	Shelburne	29.76	3	7 a. m.	*c* 29.97	11	7 a. m.	29.40
Vermont	Burlington	29.58	2	7 a. m.	29.80	10	9 p. m.	29.13
	Norwich (*d*)	29.59	9	7 a. m.	29.78	18	9 p. m.	29.44
	St Johnsbury	29.35	23	7 a. m.	29.35	10	9 p m.	28.95
Massachusetts	Amherst	29.59	23	7 a. m.	29.86	10	9 p. m.	29.35
	Bridgewater	29.77	23	7 a. m.	30.02	11	7 a. m.	29.50
	Cambridge	29.93	23	7 a. m.	30.16	11	7 a. m.	29.62
	Lawrence	29.85	23	7 a. m.	30.10	11	7 a. m.	29.56
	Nantucket	30.00	23	7 a. m	30.24	11	7 a. m.	29.77
	New Bedford	29.89	23	7 a. m.	30.13	11	7 a. m.	29.64
	Newburyport	29.96	23	7 a. m.	30.18	11	7 a. m.	29.62
	Westfield	29.84	23	7 a. m.	30.22	11	7 a. m.	29.58
	Williamstown	29.25	23	7 a. m.	29.51	10	9 p. m.	28.96
	Worcester	29.43	23	7 a. m.	29.65	6	9 p. m.	29.12
Rhode Island	Providence	29.77	23	6 a. m	30.10	11	6 a. m.	29.63
Connecticut	Pomfret	29.36	23	7 a m.	29.62	11	7 a. m.	29.11
	Wallingford	29.86	23	7 a. m.	30.13	11	7 a. m.	29.60
New York	Bellport	29.24	23	7 a m.	29.46	11	2 p. m.	29.08
	Buffalo	29.33	8	8 a. m.	29.58	10	2 p. m.	28.94
	Canton	29.38	2	7 a. m.	29.62	4	9 p. m.	29.03
	Cazenovia	28.59	2	7 a. m.	28.80	10	9 p. m.	28.29
	Fishkill Landing (*a*)	30.27	23	7 a. m.	30.52	11	7 a. m.	30.03
	Flatbush	29.89	23	7 a. m.	30.16	11	7 a. m.	29.67
	Fort Edward	29.77	25	2 p. m.	30.11	27	7 a. m.	29.21
	New York city	30.11	23	9 p. m.	30.42	10	2 p. m.	29.81
	Rochester	29.42	2	7 a. m.	29.68	10	2 p. m.	29.04
	Sag Harbor	29.66	23	7 a. m.	29.91	29	2 p. m.	29.47
	Waterford	29.91	23	7 a m.	30.13	11	7 a. m.	29.63
New Jersey	Bloomfield	29.87	23	7 a. m.	30.15	12	2 p. m.	29.59
	Lambertville	29.98	23	7 a. m.	*e* 30.16	12	9 p. m.	29.76
	Newark	29.90	22	2 p. m.	30.12	10	2 p. m.	29.70
Pennsylvania	Bedford	29.09	2	7 a. m.	29.31	10	9 p. m.	28.87
	Berwick (*a*)	29.33	23	7 a. m	*e* 29.58	10	9 p. m.	29.08
	Cannonsburg	28.78	2	7 a. m.	29.00	10	9 p. m.	28.56
	Easton	29.46	23	7 a. m.	29.73	11	2 p. m.	29.25
	Gettysburg	29.44	23	7 a. m.	29.65	12	2 p. m.	29.21
	Harrisburg, [Heisely]	29.73	23	2 p. m.	29.96	10	9 p. m.	29.50
	Harrisburg, [Hickok]	29.68	23	7 a. m.	29.93	11	2 p. m.	29.43
	Indiana	28.63	2	7 a. m.	28.83	10	9 p. m.	28.40
	Lewisburg	29.52	17	7 a. m.	29.79	10	9 p. m.	29.26
	Morrisville	29.98	27	7 a. m.	30.27	11	2 p. m.	29.77
	Mount Joy (*a*)	29.68	23	7 a. m.	29.92	13	2 p. m.	29.47
	Murrysville	28.83	2	7 a. m.	29.02	12	2 p. m.	28.58
	Norristown	29.88	23	7 a. m.	30.13	10	9 p. m.	29.65
	Philadelphia	29.81	23	2 p. m.	30.04	11	2 p. m.	29.60
	Pittsburg	28.93	2	7 a. m.	29.13	10	9 p. m.	28.66
	Pittsburg, [Wilson] (*a*)	28.97	2	2 p. m.	29.18	11	7 a. m.	28.75

* For hours of observation, &c., see thermometer tables.

a Not corrected for temperature.
b Same height at 7 a. m. on the 11th.
c Same height at 7 a. m. on the 23d.
d Incomplete.
e Same height at 2 p. m. on the 23d.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Somerset	27.65	2	9 p. m.	27.78	12	9 p. m.	27.44
	Westtown	29.39	23	2 p. m.	29.60	13	2 p. m.	29.17
Delaware	Milford	29.63	23	7 a. m.	29.82	12	2 p. m.	29.36
Maryland	Annapolis	29.98	23	7 a. m.	*a* 30.19	12	2 p. m.	29.66
	Baltimore	29.90	23	7 a. m.	30.15	12	2 p. m.	29.57
	Chestertown	29.94	23	2 p. m.	30.29	12	2 p. m.	29.64
	Frederick	29.71	23	9 p. m.	29.98	12	2 p. m.	29.43
	Oakland	27.47	2	7 a. m.	*b* 27.72	12	2 p. m.	27.25
Dist. of Columbia	Washington	29.96	11	9 p. m.	30.26	12	2 p. m.	29.58
Virginia	Alexandria	29.96	23	7 a. m.	*c* 30.17	12	2 p. m.	29.72
	Portsmouth	29.99	8	7 a. m.	*d* 30.16	12	2 p. m.	*e* 29.75
	Rose Hill	29.93?						
	Ruthven	29.59	8	7 a. m.	29.81	13	2 p. m.	29.40
North Carolina	Ashville	27.84	7	7 a. m.	27.98	12	9 p. m.	27.61
	Chapel Hill	29.55	7	7 a. m.	29.72	13	2 p. m.	29.34
	Davidson College	29.18	7	7 a. m.	29.34	13	2 p. m.	28.92
	Murfreesborough	29.13	3	7 a. m.	29.35	12	9 p. m.	28.93
South Carolina	All Saints	30.00	7	2 p. m.	30.18	13	9 p. m.	*f* 29.75
	Charleston, [Dawson]				30.37			29.97
	Charleston, [Johnson]	30.08	7	2 p. m.	30.23	14	2 p. m.	29.83
	Columbia	29.78	7	7 a. m.	*g* 29.93	14	2 p. m.	29.52
	St. John's (*h*)	30.19	7	2 p. m.	30.36	14	7 a. m.	29.92
Georgia	Athens	29.30	5	7 a. m.	29.62	13	9 p. m.	*i* 29.07
	Hillsborough	29.41	8	7 a. m.	29.56	14	2 p. m.	29.20
	Savannah	30.04	7	7 a. m.	30.20	14	2 p. m.	29.78
Florida	Atsena	29.86	8	7 a. m.	*j* 29.97	14	9 p. m.	29.62
	Jacksonville	30.09	7	7 a. m.	30.24	14	2 p. m.	29.82
	St. Augustine	30.13	7	7 a. m.	*k* 30.28	14	7 a. m.	*l* 29.87
	Salt Ponds (*m*)	29.66	7	2 p. m.	29.80	17	7 a. m.	29.44
Alabama	Greensborough	29.61	8	7 a. m.	29.77	11	2 p. m.	29.48
Mississippi	Columbus	29.80	7	7 a. m.	29.98	11	2 p. m.	29.62
	Natchez	29.49	1	7 a. m.	*n* 29.70	11	2 p. m.	*o* 29.35
	Paulding	29.68	7	7 a. m.	29.83	5	9 p. m.	29.39
Texas	Goliad	29.94	19	7 a. m.	30.39	10	2 p. m.	*p* 29.80
	New Braunfels (*m*)	27.73	3	9 p. m.	*q* 28.08	26	9 p. m.	27.57
	Washington	29.60	8	7 a. m.	29.76	10	2 p. m.	29.44
Tennessee	Glenwood	29.54	8	7 a. m.	29.72	11	2 p. m.	29.33
	Memphis	29.73	7	7 a. m.	29.89	9	2 p. m.	29.53
Kentucky	Bardstown (*h*)	30.04	8	7 a. m.	30.22	12	2 p. m.	29.81
	Louisville	29.49	8	7 a. m.	29.69	10	3 p. m.	29.24
	Millersburg	29.16	7	7 a. m.	*g* 29.32	10	9 p. m.	*r* 29.01
	Paris	29.16	2	7 a. m.	29.32	12	7 a. m.	*s* 28.97
	Springdale	29.40	8	7 a. m.	29.61	10	2 p. m.	29.18
Ohio	Bowling Green	29.20	8	7 a. m.	29.45	10	2 p. m.	28.84
	Cincinnati, [Harper]	29.43	2	7 a. m.	*t* 29.63	10	2 p. m.	29.15
	Cincinnati, [Hurtt]	28.88	7	7 a. m.	29.26	10	2 p. m.	28.53
	Cleveland	29.20	2	2 p. m.	29.36	10	2 p. m.	28.93
	Dayton	29.07	2	2 p. m.	29.28	10	2 p. m.	28.77
	Hillsborough	28.82	7	7 a. m.	29.02	10	2 p. m.	28.58
	Lancaster (*h*)	28.83	7	7 a. m.	29.03	10	2 p. m.	28.57
	Medina	28.78	2	7 a. m.	29.03	10	2 p. m.	28.45
	New Lisbon (*m*)	28.64	2	7 a. m.	*u* 28.80	10	2 p. m.	28.37
	Northwood	28.78	2	7 a. m.	29.01	10	2 p. m.	28.48

a Same height at 2 p. m. on the 23d.
b Same height at 9 p. m. on the 1st and 2d.
c Same height at 9 p. m. on the 23d.
d Same height at 2 and 9 p. m. on the 7th.
e Same height at 2 p. m. on the 13th.
f Same height at 7 and 2 p. m. on the 14th.
g Same height at 9 p. m. on the 7th.
h Aneroid.
i Same height at 2 p. m. on the 13th and 14th.
j Same height at 2 p. m. on the 8th.
k Same height at 2 p. m. on the 7th.
l Same height at 2 and 9 p. m on the 14th.
m Not corrected for temperature.
n Same height at 2 p. m. on the 1st.
o Same height at 7 a. m., 2 and 9 p. m. on the 10th, and at 9 p. m. on the 15th, and at 2 p. m. on the 30th.
p Same height at 9 p m. on the 9th.
q Same height at 9 p. m. on the 4th.
r Same height at 7 a. m. and 2 p. m. on the 11th, and at 2 and 9 p. m on the 12th.
s Same height at 2 p. m. on the 12th.
t Same height at 7 a. m. on the 7th.
u Same height at 2 p. m. on the 2d, and at 7 a. m. on the 7th and 8th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1858.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Ripley	29.37	2	7 a. m.	29.57	11	7 a. m.	29.17
	Savannah	28.88	2	7 a. m	29.11	10	2 p. m.	28.54
	Urbana (*a*)	28.85	2	7 a m	29.05	10	2 p. m.	28.57
	Westerville	28.86	2	7 a. m.	29.07	10	2 p. m.	28.58
Michigan	Battle Creek	29.08	2	7 a. m.	29.30	10	7 a. m.	28.66
	Detroit	28.84	29	9 p m.	29.05	10	9 p. m.	28.33
	Forestville	29.31	8	6 a m.	29.67	?	?	?
	Marquette	29.30	2	7 a. m.	29.58	4	7 a. m.	28.84
	New Buffalo	29.26	8	7 a. m	29.50	10	7 a. m.	28.82
Indiana	Cannelton	29.62	8	7 a m	29.79	5	9 p. m.	29.38
	Evansville	28.81	1	2 p m	28.99	10	7 a. m.	28.58
	Madison	29.44	2	7 a. m.	*b* 29.62	10	2 p. m.	29.20
	Michigan City	29.23	8	2 p. m	29.54	4	7 a. m.	28.92
	New Harmony	29.63	1	7 a. m.	29.81	10	7 a. m	29.34
	Richmond	29.00	16	7 a. m.	29.16	10	2 p m.	28.68
Illinois	Athens	29.35	1	7 a. m.	29.58	10	7 a. m.	29.01
	Batavia, [Capon] (*c*)	29.07	1	2 p. m.	*d* 29.24	5	7 a. m.	28.69
	Batavia, [Mead]	29.12	8	7 a. m.	29.33	4	7 a. m.	28.85
	Manchester	28.76	1	7 a. m.	29.00	10	7 a. m.	28.49
	Upper Alton	29.41	2	7 a. m.	29.83	10	7 a. m.	29.10
	West Urbana	29.19	8	9 p. m.	29.41	11	7 a m.	28.82
	Wheaton	29.19	8	7 a. m.	29.42	10	7 a. m.	28.83
Missouri	St. Louis	29.49	1	7 a. m.	29.71	10	7 a. m.	29.19
Wisconsin	Appleton	28.89	8	7 a. m.	29.17	4	7 a. m.	*e* 28.54
	Beloit	29.13	8	7 a. m.	29.36	10	7 a. m.	28.84
	Kenosha (*f*)	29.44	2	7 a. m.	*g* 29.66	4	7 a. m.	29.11
	Madison	28.97	8	7 a. m.	29.21	4	7 a m.	28.62
	Manitowoc (*h*)	29.69	8	7 a. m.	29.95	4	7 a. m.	29.29
	Milwaukee, [Winkler]	29.23	2	7 a. m.	29.48	10	7 a. m.	28.86
	Waukesha	29.10	22	9 p. m.	29.65	9	9 p. m.	28.73
Iowa	Border Plains	28.63	7	2 p m.	*i* 28.91	28	2 p. m.	? 28.14
	Dubuque	29.26	8	7 a. m.	29.51	3	9 p. m.	28.89
	Fairfield	29.10	8	7 a. m.	29.38	3	9 p. m.	28.85
	Muscatine	29.46	8	7 a m.	29.69	10	7 a m	29.14
Minnesota	Wabashaw	29.10	4	9 p. m.	29.79 ?	3	9 p. m.	28.80
Kansas	Lawrence	29.00	2	7 a. m.	29.39	3	2 p. m.	28.66
	Leavenworth City, [McCarty]	28.55	1	7 a. m.	28.79	9	9 p m.	28.41
Mexico	Cordova	27.09	12	9 p. m.	27.20	26	3 p. m.	26.95
	Minatitlan	29.87	13	7 a. m.	29.99	26	3 p. m.	29.75
	Mirador	22.76	------	------	------	------	------	------
	Vera Cruz	29.92	13	11 p. m.	30.03	26	11 a. m.	29.83
California	Sacramento	29.86	25	7 a. m.	30.04	16	2 p. m.	29.72
	San Francisco	29.82	26	7 a. m.	29.98	17	9 p. m.	29.68
West Indies	Nassau, Bahamas (*j*)	30.13	7	------	*k* 30.20	15	------	29.95
Central America	Guatemala	25.20	------	------	25.29	------	------	25.09
South America	Catharina Sophia, Surinam (*c*)	29.84	12	6 p. m.	*l* 29.89	8	6 p. m.	29.77
	Catharina Sophia, Surinam	29.89	13	6 a. m.	29.96	8	6 p. m.	29.82

a For the first 22 days of the month.
b Same height at 7 a. m. on 7th and 8th.
c Aneroid.
d Same height at 9 p. m. on the 27th.
e Same height at 9 p. m. on the 3d.
f Imperfect.
g Same height at 7 a. m. on the 7th.
h Not corrected for temperature.
i Same height at 9 p. m. on the 7th.
j Mean obtained from daily maximum and minimum.
k Same height on the 8th.
l Same height at 6 p. m. on the 17th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.70	6	9 a. m.	*a* 29.95	3	9 a. m.	29.35
	Montreal	29.92	19	7 a. m.	30.22	2	7 a. m.	29.49
	St. John's	29.38	13	7 a. m.	29.83	30	9 p. m.	28.92
	St. Martin	29.79	18	9 p. m.	30.08	3	2 p. m.	29.39
	Toronto	29.60	19	6 a. m.	29.92	3	2 p. m.	29.30
	Windsor	29.95	19	9 p. m	30.20	28	2 p. m.	29.62
Maine	Gardiner	29.78	6	7 a. m.	30.07	4	7 a. m	29.51
	Perry	29.90	12	2 p. m.	30.19	1	2 p. m.	*b* 29.59
	Portland	29.90	6	7 a. m.	30.26	4	7 a. m	*c* 29.62
	Steuben	29.89	6	7 a. m.	30.16	1	2 p. m.	*f* 29.56
New Hampshire	Concord	29.60	6	7 a. m.	29.91	4	2 p. m.	*d* 29.34
	Shelburne (*e*)	29.88	6	7 a. m.	30.17	4	7 a. m.	*f* 29.60
Vermont	Burlington	29.59	6	7 a. m.	29.92	3	9 p. m.	29.24
	Norwich (*g*)	29.65	6	7 a. m.	29.90	3	9 p. m.	29.35
	St. Johnsbury	29.35	6	7 a m.	29.69	22	2 p. m.	29.01
Massachusetts	Amherst	29.60	6	7 a. m	29.93	22	2 p. m.	29.26
	Bridgewater	29.79	19	2 p. m.	30.25	4	7 a. m.	29.45
	Cambridge	29.93	6	7 a. m.	30.26	4	7 a. m.	29.58
	Lawrence	29.85	6	7 a. m.	30.19	22	7 a. m.	*f* 29.55
	Nantucket	30.00	6	7 a. m.	30.32	4	7 a. m.	29.68
	New Bedford	29.90	6	7 a. m.	30.21	4	7 a. m.	29.56
	Newburyport	29.96	25	9 p. m.	30.15	4	7 a. m.	29.62
	Westfield	29.85	6	7 a. m.	30.17	22	9 p. m.	29.52
	Williamstown	29.27	19	2 p. m.	29.60	22	2 p. m.	28.95
	Worcester	29.46	6	7 a. m.	29.73	22	2 p. m.	29.13
Rhode Island	Providence	29.77	6	6 a. m.	*h* 30.18	4	6 a. m.	29.57
Connecticut	Pomfret	29.38	6	7 a. m.	29.69	4	7 a. m.	29.06
	Wallingford	29.86	6	7 a. m.	30.19	22	2 p. m.	29.52
New York	Bellport	29.26	6	9 p. m.	29.46	22	2 p. m.	28.99
	Buffalo	29.33	19	8 a. m.	29.63	3	2 p. m.	29.09
	Cazenovia	28.60	6	7 a. m.	*i* 29.85	22	7 a. m.	*j* 28.34
	Fishkill (*e*)	30.32	6	2 p. m.	30.65	4	2 p. m.	*k* 30.05
	Flatbush	29.90	6	7 a. m.	30.22	22	2 p. m.	29.61
	Fort Edward	29.84	6	7 a. m.	30.42	21	7 a. m.	29.59
	New York city	30.14	6	9 p. m.	30.47	22	2 p. m.	29.78
	Rochester	29.43	6	7 a. m.	29.70	21	2 p. m.	29.11
	Sag Harbor	29.50	6	7 a. m.	*h* 29.97	4	7 a. m.	29.37
	Spencertown	29.29	7	7 a. m.	29.60	22	7 a. m.	*f* 29.01
	Waterford	29.92	6	7 a. m.	30.23	22	2 p. m.	29.63
New Jersey	Bloomfield	29.91	6	9 p. m.	30.16	4	7 a. m.	29.61
	Lambertville	29.99	6	2 p. m.	*l* 30.24	22	7 a. m.	*f* 29.73
	Newark	29.91	6	7 a. m.	30.44	22	7 a. m.	29.64
Pennsylvania	Bedford	29.09	6	7 a m.	29.34	21	9 p. m.	28.88
	Berwick (*e*)	29.41	6	2 p. m.	29.67	21	9 p. m.	*m* 29.08
	Cannonsburg	29.79	6	9 p. m.	29.99	3	2 p. m.	*n* 29.62
	Chambersburg	29.31	6	7 a. m.	29.62	22	7 a. m.	29.09
	Easton	29.46	6	7 a. m.	29.77	30	2 p. m.	29.13
	Gettysburg	29.43	6	7 a. m.	29.72	30	2 p. m.	29.19
	Harrisburg, [Heisely]	29.72	6	7 a. m.	*h* 30.04	22	2 p. m.	*o* 29.49
	Harrisburg, [Hickok]	29.68	6	7 a. m.	30.01	12	2 p. m.	29.42
	Indiana	28.63	6	7 a. m.	28.85	21	9 p. m.	28.44
	Lewisburg	29.52	6	7 a. m.	29.84	30	2 p. m.	29.28
	Morrisville	29.98	6	2 p. m.	30.30	22	2 p. m.	29.73

*For hours of observation, &c., see thermometer tables.

a Same height at 9 a. m. on the 19th.
b Same height at 9 p. m. on the 27th.
c Same height at 7 a. m. on the 22d.
d Same height at 2 p. m. on the 27th.
e Not corrected for temperature.
f Same height at 2 p. m. on the 22d.
g Incomplete.
h Same height at 2 p. m. on the 6th.
i Same height at 7 a. m. on the 19th.
j Same height at 2 p. m. and 9 p. m. on the 3d, and at 9 p. m. on the 21st.
k Same height at 7 a. m. and 9 p. m. on the 22d.
l Same height at 9 p. m. on the 6th.
m Same height at 2 p. m. on the 21st, 7 a. m. and 2 p. m. on the 22d, and 2 p. m. on the 30th.
n Same height at 7 a. m. and 2 p. m. on the 12th, and at 9 p. m. on the 21st.
o Same height at 2 p. m. on the 30th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Mount Joy (*a*)	29.69	6	7 a. m.	30.00	22	7 a. m.	29.43
	Murrysville	28.81	6	7 a. m.	29.05	22	7 a. m.	28.58
	Norristown	29.87	6	7 a. m.	30.23	30	2 p. m.	29.57
	Philadelphia	29.83	6	9 p. m.	30.12	30	2 p. m.	29.53
	Pittsburg, [Marine Hospital]	28.93	6	9 p. m.	29.17	3	2 p. m.	28.73
	Pittsburg, [Oakland Station] (*a*)	29.02	6	2 p. m.	*b* 29.24	30	7 a. m.	*c* 28.80
	Pottsville	29.33	6	7 a. m.	29.66	22	7 a. m.	29.07
	Somerset	27.66	6	7 a. m.	27.86	12	2 p. m.	27.50
	Westtown	29.40	6	9 p. m.	29.68	22	7 a. m.	*c* 29.13
Maryland	Annapolis	29.99	6	7 a. m.	30.39	30	2 p. m.	29.73
	Baltimore	29.92	6	2 p. m.	30.24	30	2 p. m.	29.64
	Chestertown	29.95	6	7 a. m.	30.24	30	2 p. m.	29.62
	Frederick	29.71	6	7 a. m.	30.03	30	2 p. m.	29.46
Dist. of Columbia	Washington	29.96	6	7 a. m.	30.27	30	2 p. m.	29.71
Virginia	Portsmouth	29.98	6	2 p. m.	30.21	22	7 a. m.	29.72
	Rose Hill	29.92	------	------	?	------	------	?
	Ruthven	29.60	6	7 a. m.	*b* 29.79	22	7 a. m.	29.43
North Carolina	Asheville	27.88	6	2 p. m.	28.03	23	2 p. m.	*d* 27.60
	Chapel Hill	29.53	6	7 a. m.	29.74	23	7 a. m.	29.33
	Davidson College	29.15	6	7 a. m.	29.36	21	2 p. m.	*e* 28.97
	Murfreesborough	29.08	6	7 a. m.	*f* 29.39	4	2 p. m.	*c* 28.84
South Carolina	All Saints	29.95	10	2 p. m.	*g* 30.10	24	2 p. m.	29.71
	Charleston, [Dawson]	------	------	------	30.32	------	------	29.98
	Charleston, [Johnson]	30.04	10	9 p. m.	30.20	7	9 p. m.	*h* 29.83
	Columbia	29.74	6	9 p. m.	29.90	24	2 p. m.	29.53
	St. John's (*i*)	30.15	10	7 a. m.	*j* 30.30	7	9 p. m.	29.86
Georgia	Athens	29.29	28	7 a. m.	29.49	23	2 p. m.	29.05
	Savannah	30.01	10	9 p. m	30.14	24	2 p. m.	29.75
Florida	Atsena	29.89	28	2 p. m.	30.01	8	9 p. m.	29.70
	Jacksonville	30.05	11	7 a. m	*k* 30.19	24	2 p. m.	29.83
	St. Augustine	30.11	29	7 a. m.	30.26	7	7 a. m.	29.92
	Salt Ponds (*a*)	29.73	29	2 p. m.	29.87	8	7 a. m.	29.61
Alabama	Greensborough	29.60	29	7 a. m.	29.72	8	9 p. m	29.42
Mississippi	Columbus	29.80	15	7 a. m.	29.93	23	2 p. m.	29.61
	Natchez	29.53	29	7 a. m	*l* 29.65	8	2 p. m.	*m* 29.30
	Paulding	29.67	29	7 a. m.	29.82	8	2 p. m.	29.49
Texas	Goliad	29.97	19	7 a. m.	30.08	8	9 p. m.	29.77
	New Braunfels (*a*)	27.65	12	7 a. m.	27.85	8	2 p. m.	*n* 27.50
Tennessee	Glenwood	29.54	6	7 a m	29.66	23	2 p. m.	29.28
	Memphis	29.75	14	2 p. m.	29.90	23	2 p. m.	29.52
Kentucky	Bardstown (*i*)	30.05	6	2 p. m.	30.20	23	2 p. m.	29.80
	Louisville	29.47	6	7 a. m.	29.68	23	7 a. m.	*o* 29.26
	Paris	29.16	6	7 a. m.	29.32	11	2 p. m.	28.97
	Springdale	29.41	6	7 a. m.	29.58	8	2 p. m.	*m* 29.24
Ohio	Bowling Green	29.22	18	9 p. m.	29.43	2	2 p. m.	29.03
	Cincinnati, [Harper]	29.41	6	7 a. m	29.62	21	2 p. m.	29.27
	Cleveland (*i*)	29.22	6	7 a. m	*p* 29.40	21	9 p. m.	29.06
	Dayton	29.06	6	7 a. m.	*j* 29.22	3	2 p. m.	28.90
	Hillsborough	28.83	15	7 a. m	29.02	2	2 p. m.	28.64
	Lancaster (*i*)	28.84	6	7 a. m.	29.03	12	7 a. m.	28.65
	Medina	28.78	15	7 a. m.	28.95	12	2 p. m.	28.60
	New Lisbon (*a*)	28.65	6	7 a. m.	*p* 28.85	21	9 p. m.	28.45
	Northwood	28.76	19	7 a. m.	29.99	11	9 p. m.	28.09?
	Ripley	29.38	16	7 a. m.	29.55	21	9 p. m.	29.22

a Not corrected for temperature.
b Same height at 9 p. m. on the 6th.
c Same height at 2 p. m. on the 30th.
d Same height at 9 p. m. on the 23d.
e Same height at 2 p. m. and 9 p. m. on the 23d.
f Same height at 7 a. m. on the 7th.
g Same height at 9 p. m. on the 9th.
h Same height at 2 p. m. on the 24th.
i Aneroid.
j Same height at 2 p. m. on the 26th.
k Same height at 7 a. m. on the 29th.
l Same height at 2 p. m. on the 29th, and at 7 a. m. and 2 p. m. on the 30th.
m Same height at 9 p. m. on the 8th.
n Same height at 2 p. m. on the 22d and 26th.
o Same height at 2 p. m. on the 23d.
p Same height at 2 p. m. on the 6th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Savannah	28.91	19	7 a. m.	*a* 29.09	3	2 p. m.	28.68
	Urbana	28.87	6	7 a. m.	29.05	3	2 p. m.	28.70
	Westerville	28.87	6	7 a. m.	29.03	9	9 p. m.	28.66
Michigan	Battle Creek	29.11	19	7 a. m.	29.36	2	9 p. m.	28.87
	Detroit	28.94	18	9 p. m.	*b* 29.11	11	9 p m.	28.42
	Forestville	29.35	18	9 a. m.	29.63	3	6 a. m.	29.06
	Marquette	29.38	18	2 p. m.	*c* 29.69	2	2 p. m.	29.08
	New Buffalo	29.30	19	7 a. m.	29.53	2	9 p. m.	29.07
Indiana	Cannelton	29.61	6	7 a. m.	29.79	23	7 a. m.	29.40
	Evansville	28.82	25	7 a. m.	28.98	23	7 a. m.	28.59
	Madison	29.45	6	7 a. m.	29.62	11	9 p. m.	29.24
	Michigan City	29.25	18	9 p. m.	29.47	2	9 p. m.	29.03
	New Harmony	29.63	6	7 a. m.	29.81	23	7 a. m.	29.39
	Richmond, [Moore]	28.98	6	9 p. m.	29.17	3	2 p. m.	28.83
Illinois	Athens	29.38	19	7 a. m.	29.58	8	2 p. m	29.18
	Batavia, [Capon] (*d*)	29.21	18	2 p. m.	29.45	2	9 p. m.	*e* 29.02
	Batavia, [Mead]	29.14	19	7 a. m	29.36	2	2 p. m.	28.92
	Manchester	28.78	6	7 a. m.	28.95	2	1 p. m.	*f* 28.62
	Upper Alton	29.42	19	7 a. m.	29.58	22	9 p. m.	29.23
	West Urbana	29.21	19	7 a. m.	29.40	2	9 p. m.	29.03
	Wheaton	29.23	19	7 a. m.	29.48	2	9 p. m.	28.98
Missouri	St. Louis	29.51	9	7 a. m.	29.69	23	7 a. m.	29.31
Wisconsin	Appleton	28.94	18	9 p. m.	29.27	2	7 a. m.	*g* 28.72
	Beloit	29.20	19	7 a. m.	29.43	2	2 p. m.	28.95
	Kenosha (*h*)	29.49	18	7 a. m.	29.76	2	9 p. m.	29.27
	Madison	29.09	18	7 a. m.	29.32	2	2 p. m.	28.78
	Manitowoc (*i*)	29.76	18	2 p. m.	30.07	2	2 p. m.	29.50
	Milwaukee	29.27	18	2 p. m.	29.53	2	2 p. m.	29.00
	Waukesha	19.15	18	7 a. m.	*j* 29.41	2	9 p. m.	28.88
Iowa	Border Plains	28.72	11	7 a. m.	28.94	9	2 p. m.	28.46
	Dubuque	29.32	18	7 a. m.	29.56	2	2 p. m.	29.03
	Fairfield	29.05	18	7 a. m.	29.25	2	2 p. m.	28.86
	Muscatine	29.45	19	7 a. m.	29.66	2	9 p. m	29.17
Minnesota	Wabashaw	29.16	7	9 p. m.	29.48	28	2 p. m.	28.86
Kansas	Lawrence	29.04	11	2 p. m.	29.22	8	9 p. m.	28.73
	Leavenworth City, [McCarty]	28.57	11	7 a. m.	28.74	2	2 p. m.	28.40
Mexico	Cordova	27.16	12	9 a. m.	27.28	9	6 p. m.	27.00
	Minatitlan	29.92	25	7 a. m.	30.05	2	7 a. m.	*k* 29.80
	Mirador	22.87	------	------	------	------	------	------
	Vera Cruz	29.99	6	11 p. m.	30.09	9	5 p. m.	29.81
California	Sacramento	29.88	7	7 a. m.	30.02	12	9 p. m.	29.74
	San Francisco	29.85	7	2 p. m.	30.00	2	2 p. m.	29.72
West Indies	Nassau, Bahamas (*l*)	30.16	29	------	30.25	8	------	30.08
Central America	Guatemala	25.26	------	------	25.36	------	------	25.16
South America	Catharina Sophia, Surinam (*d*)	29.87	28	2 p. m.	29.96	8	6 a. m.	29.79
	Catharina Sophia, Surinam	29.92	29	6 a. m.	30.02	10	2 p. m.	29.84

a Same height at 2 p. m. on the 9th.
b Same height at 7 a. m. and 2 p. m. on the 19th.
c Same height at 7 a. m. on the 9th.
d Aneroid.
e Same height at 7 a. m. on the 5th and 6th, and at 2 p. m. on the 5th.
f Same height at 9 p. m. on the 2d, and at 1 p. m. and 9 p. m. on the 8th.
g Same height at 9 p. m. on the 28th.
h Imperfect.
i Not corrected for temperature.
j Same height at 2 p. m. on the 18th.
k Same height at 7 a. m. and 3 p. m. on the 1st.
l Mean obtained from daily maximum and minimum.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.70	13	9 a. m.	29.99	28	9 p. m.	*a* 29.32
	Montreal	29.93	13	7 a. m.	30.30	18	2 p. m.	29.55
	St John's	29.48	27	7 a. m.	*b* 29.74	20	7 a. m.	28.89
	St. Martin	29.79	13	6 a. m.	30.14	29	2 p. m.	29.42
	Toronto	29.62	13	6 a. m.	29.93	29	6 a. m.	29.24
	Windsor	29.96	26	7 a. m.	30.30	19	2 p. m.	29.55
	Wolfville	29.66	26	7 a. m.	30.16	19	2 p. m.	29.12
Maine	Gardiner	29.83	26	7 a m.	30.19	19	7 a. m.	29.46
	Perry	29.95	26	7 a. m.	30.31	19	7 a. m.	29.50
	Portland	29.94	26	7 a. m	30.29	19	7 a. m.	*c* 29.57
	Steuben	29.92	13	2 p. m.	30.33	19	2 p. m.	29.45
New Hampshire	Concord	29.63	13	9 p. m.	29.98	29	2 p. m.	29.25
	Shelburne	29.80	14	7 a. m.	30.13	29	2 p m.	29.44
Vermont	Burlington	29.62	13	7 a. m.	29.95	29	2 p. m.	29.27
	Norwich (*d*)	29.62	------	------	------	------	------	------
	St. Johnsbury	29.36	13	7 a. m.	29.70	29	2 p. m.	29.01
Massachusetts	Amherst	29.69	------	------	?	------	------	?
	Cambridge	29.96	26	7 a m	30.31	29	2 p. m.	29.60
	Lawrence	29.89	13	2 p. m.	*e* 30.24	29	2 p. m	29.55
	Nantucket	30.01	26	7 a. m	30.33	19	7 a m.	29.71
	New Bedford	29.91	26	7 a. m.	30.23	19	7 a. m.	29.59
	Newburyport	29.99	13	2 p. m	30.33	31	7 a. m.	29.61
	Westfield	29.88	13	9 p. m.	30.23	29	2 p. m.	29.56
	Williamstown	29.33	13	2 p. m.	29.65	19	7 a. m.	28.72
	Worcester	29.46	13	2 p. m.	29.78	29	7 a. m.	29.10
Rhode Island	Providence	29.80	13	1 p. m.	30.23	19	6 a. m.	*f* 29.60
Connecticut	Pomfret	29.40	26	7 a. m.	29.72	29	2 p. m.	29.08
	Wallingford	29.98	26	7 a. m.	30.21	28	9 p. m.	29.56
New York	Bellport	29.27	26	7 a. m.	29.53	29	2 p. m.	29.03
	Buffalo	29.34	13	2 p. m.	29.60	28	9 p. m.	29.00
	Canton	29.40	13	9 p. m.	29.73	29	7 a. m.	29.07
	Cazenovia	28.60	13	2 p. m.	28.88	28	9 p. m.	29.28
	Fishkill Landing (*g*)	30.31	13	9 p. m.	*h* 30.60	29	7 a m.	29.95
	Flatbush	29.92	26	7 a. m.	30.21	28	9 p. m.	29.60
	Fort Edward	29.81	13	7 a. m.	30.13	29	9 p. m.	29.35
	New York city	30.16	13	9 p. m.	30.49	29	7 a. m.	29.88
	Rochester	29.40	13	7 a. m.	*i* 29.69	28	2 p. m.	29.02
	Sag Harbor	29.66	26	7 a. m	29.99	29	2 p. m.	29.35
	Waterford	29.93	14	7 a. m.	30.22	28	9 p. m.	29.59
New Jersey	Bloomfield	29.94	26	7 a. m	30.25	28	9 p. m.	29.63
	Lambertville	30.00	13	9 p. m.	*h* 30.25	29	7 a. m.	*j* 29.76
	Newark	29.94	26	7 a. m.	30.23	28	6 p. m.	29.64
Pennsylvania	Bedford	29.10	14	7 a. m.	*k* 29.32	28	2 p. m.	28.85
	Berwick (*g*)	29.33	26	7 a. m.	*l* 29.67	28	2 p. m.	*m* 29.00
	Cannonsburg	28.82	23	7 a. m.	29.03	28	2 p. m.	28.56
	Chambersburg	29.35	13	9 p. m.	29.63	28	2 p. m.	29.01
	Easton	29.51	26	7 a. m.	29.80	28	10 p. m.	29.21
	Gettysburg	29.44	14	7 a. m.	*h* 29.69	28	2 p. m.	29.12
	Harrisburg, [Heisely]	29.75	26	7 a. m.	30.02	28	2 p. m.	*m* 29.44
	Harrisburg, [Hickok]	29.70	26	7 a. m.	29.97	28	2 p. m.	29.36
	Indiana	28.64	14	7 a. m.	28.86	28	2 p. m.	28.35
	Lewisburg	29.54	14	7 a. m.	29.81	28	2 p. m.	29.20
	Morrisville	30.00	25	7 a. m.	30.32	28	9 p. m.	29.70
	Mount Joy (*g*)	29.69	13	9 p. m.	29.96	28	2 p. m.	29.35
	Murrysville	28.84	23	7 a. m.	29.08	28	2 p. m.	28.53

* For hours of observation, &c., see thermometer tables.

a Same height at 9 a. m. on the 29th.
b Same height at 2 p. m. on the 27th.
c Same height at 9 p. m. on the 18th, and at 2 p. m. on the 29th.
d Incomplete.
e Same height at 9 p. m. on the 13th.
f Same height at 6 a. m. and at 1 p. m. on the 29th.
g Not corrected for temperature.
h Same height at 7 a. m. on the 26th.
i Same height at 2 p. m. and 9 p. m. on the 19th.
j Same height at 2 p. m. on the 29th.
k Same height at 7 a. m. on the 24th.
l Same height at 7 a. m. on the 14th, and at 2 p. m. and 9 p. m. on the 13th.
m Same height at 9 p. m. on the 28th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.90	26	7 p. m.	30.30	28	9 p. m.	29.58
	Philadelphia	29.83	26	7 a. m.	30.10	28	2 p. m.	29.55
	Pittsburg, [Marine Hospital]	28.94	23	9 p m	29.22	28	2 p. m.	28.68
	Pittsburg, [Oakland Observatory] (*a*)	29.00	25	2 p. m.	29.25	28	7 a. m.	*b* 28.72
	Somerset	27.68	14	7 a. m.	27.86	28	2 p. m.	29.42
	Westtown	29.39	26	7 a. m.	29.66	28	2 p. m.	29.09
Maryland	Annapolis	30.00	26	7 a. m.	30.28	28	2 p. m.	29.70
	Baltimore	29.91	13	9 p. m.	30.16	28	2 p. m.	29.58
	Frederick	29.72	26	7 a. m.	29.99	28	2 p. m.	29.39
Dist. of Columbia	Washington	29.97	26	7 a. m.	30.24	28	2 p. m.	29.66
Virginia	Portsmouth	29.97	25	9 p. m.	30.23	28	2 p. m.	29.65
	Rose Hill	29.94	------	------	?	------	------	?
North Carolina	Asheville	27.90	25	2 p. m.	*c* 28.04	28	7 a. m.	27.66
	Chapel Hill	29.55	24	7 a. m.	29.78	27	9 p. m.	29.31
	Davidson College	29.18	17	7 a. m.	29.31	19	2 p. m.	29.00
	Murfreesborough	29.09	24	7 a. m.	29.43	28	2 p. m.	28.86
South Carolina	All Saints	29.96	25	9 p. m.	*d* 30.10	30	7 a. m.	29.73
	Charleston, [Dawson]	------	------	------	30.31	------	------	30.00
	Charleston, [Johnson]	30.04	25	9 p. m.	30.18	29	2 p. m.	*e* 29.87
	Columbia	29.65	17	7 a. m.	*f* 29.88	29	2 p. m.	29.10
	St. John's (*g*)	30.16	25	9 p. m.	30.30	30	7 a. m.	29.92
Georgia	Athens	29.32	20	7 a. m.	*h* 29.49	27	2 p. m.	29.07
	Savannah	30.01	25	9 p. m.	30.13	28	2 p. m.	29.81
Florida	Atsena	29.84	20	9 p. m.	29.95	30	7 a. m.	29.66
	Jacksonville	30.05	15	7 a. m.	30.15	30	2 p. m.	29.86
	St. Augustine	30.10	6	7 a. m.	*i* 30.21	30	2 p. m.	29.91
	Salt Ponds (*a*)	29.69	6	2 p. m.	29.80	24	7 a. m.	29.55
Mississippi	Columbus	29.81	25	7 a. m.	29.94	27	9 p. m.	29.65
	Natchez	29.55	7	7 a. m	*j* 29.65	27	9 p. m.	*k* 29.40
	Paulding	29.69	?	------	?	23	2 p. m.	29.55
Texas	Goliad	29.95	21	7 a. m.	*l* 30.05	28	2 p. m.	29.79
	New Braunfels (*a*)	27.61	3	7 a. m.	*m* 27.70	15	2 p. m.	27.50
Tennessee	Glenwood	29.56	23	7 a. m.	29.74	27	2 p. m.	29.32
	Memphis	29.75	23	7 a. m.	29.91	20	7 a. m.	29.33
Kentucky	Bardstown (*g*)	30.06	23	7 a. m.	30.25	27	9 p. m.	29.80
	Louisville	29.51	24	7 a. m.	29.76	28	3 p. m.	29.25
	Paris	29.19	23	7 a. m.	29.40	27	2 p. m.	28.93
	Springdale	29.41	23	7 a. m.	29.65	27	2 p. m.	29.16
Ohio	Bowling Green	29.24	23	7 a. m.	29.56	28	7 a. m.	28.93
	Cincinnati, [Harper]	29.41	8	9 p. m.	*n* 29.53	27	7 a. m.	29.19
	Cleveland (*g*)	29.22	15	9 p. m.	29.75	28	7 a. m.	28.92
	Dayton	29.09	23	7 a. m.	29.35	28	7 a. m.	28.86
	Hillsborough	28.85	23	7 a. m.	29.12	28	2 p. m.	28.50
	Hudson	29.83	24	7 a. m.	29.09	29	7 a. m.	28.50
	Lancaster (*g*)	28.85	23	7 a. m.	*o* 29.05	27	9 p. m.	*p* 28.57
	Medina	28.81	25	7 a. m.	29.06	28	7 a. m.	28.48
	New Lisbon (*a*)	28.66	23	7 a. m.	*q* 28.90	28	2 p. m.	28.35
	Ripley	29.40	23	7 a m.	29.66	28	7 a. m	29.15
	Savannah	28.90	23	7 a. m.	29.29	27	7 a. m.	28.58
	Urbana	28.89	23	7 a. m.	29.16	28	7 a. m.	28.60
	Westerville	28.88	23	7 a. m.	29.14	28	7 a. m.	28.60
Michigan	Battle Creek	29.13	23	7 a. m.	29.45	26	9 p. m.	28.87
	Detroit	28.88	23	2 p m.	29.16	31	7 a. m.	28.54
	Marquette	29.36	22	2 p. m.	*r* 29.68	3	9 p. m.	29.04

a Not corrected for temperature.
b Same height at 2 p. m. on the 28th.
c Same height at 9 p. m. on the 25th.
d Same height at 2 p. m. on the 9th and 17th.
e Same height at 7 a. m. and 2 p. m. on the 30th.
f Same height at 9 p. m. on the 17th.
g Aneroid.
h Same height at 7 a. m on the 24th.
i Same height at 7 a. m. on the 17th.
j Same height at — p. m. on the 7th, at 7 a. m., 2 p. m , and 9 p. m. on the 8th. and at 2 p. m. on the 21st.
k Same height at 7 a. m. and at 2 p. m. on the 28th.
l Same height at 7 a m. on the 22d and 24th.
m Same height at 7 a. m. on the 8th, 13th, 14th, 21st, 22d, 29th, and 30th.
n Same height at 7 a. m. and 2 p. m. on the 8th.
o Same height at 2 p. m. on the 23d, and at 7 a. m. on the 25th.
p Same height at 9 p. m. on the 27th.
q Same height at 2 p. m. on the 23d.
r Same height at 9 p. m. on the 22d.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	New Buffalo	29.44	23	7 a. m.	29.78	27	7 a. m.	29.07
	Thunder Bay Island	29.42	23	9 a. m.	29.75	27	6 a. m.	28.97
Indiana	Cannelton	29.64	23	7 a. m.	29.87	27	2 p. m.	29.39
	Evansville	28.85	23	7 a. m.	29.08	27	2 p. m.	28.66
	Madison	29.59	23	7 a. m	*a* 29.82	27	9 p. m.	29.34
	Michigan City	29.26	23	7 a. m.	29.59	27	2 p. m.	29.04
	New Harmony	29.64	23	7 a. m	29.90	27	2 p. m.	29.44
	Richmond	29.00	13	7 a. m.	29.15	1	9 p. m.	*b* 28.84
Illinois	Athens	29.42	23	7 a. m.	29.73	1	2 p. m.	29.22
	Batavia, [Capon] (*c*)	29.68	23	7 a. m.	29.50	27	7 a. m.	28.93
	Batavia, [Mead]	29.18	23	7 a. m.	29.48	1	9 p. m.	*d* 28.93
	Manchester	28.83	23	7 a. m.	29 13	3	1 p. m.	*e* 28.65
	Upper Alton	29.45	23	7 a. m.	29.74	2	2 p. m.	29.26
	West Urbana	29.25	23	7 a. m.	29.53	28	7 a. m.	29.02
	Wheaton	29.24	23	7 a. m.	29.61	27	7 a. m	29.00
Missouri	St. Louis	29.56	23	7 a. m	29.95	3	2 p. m.	*f* 29.50
Wisconsin	Appleton	28.97	23	7 a. m.	29.35	2	7 a. m.	28.67
	Beloit	29.22	23	7 a. m.	29.58	3	9 p. m.	28.95
	Kenosha	29.59	22	7 a. m.	29.77	2	7 a. m.	29.33
	Manitowoc (*g*)	29.78	23	7 a. m.	30.14	3	9 p. m.	29.47
	Milwaukee, [Winkler]	29.29	23	7 a. m.	29.62	3	9 p. m.	28.99
	Waukesha	29.20	23	7 a. m.	29.53	27	7 a. m.	28.92
Iowa	Border Plains	28.77	23	9 p. m.	29.39	1	2 p. m.	28.51
	Dubuque	29.37	23	7 a. m.	29.72	3	2 p. m.	29.08
	Fairfield	28.99	23	7 a. m.	29.32	3	2 p. m.	28.78
	Muscatine	29.49	22	7 a. m.	29.82	2	7 a. m.	29.18
Minnesota	Wabashaw	29.18	22	7 a. m.	29.52	3	2 p. m.	28.85
Kansas	Lawrence	29.12	22	7 a m	29.41	2	9 p. m.	28.93
	Leavenworth City	28.64	22	7 a. m.	*h* 28.89	3	2 p. m.	28.48
Oregon	Fort Snyder	22.56	------	------	------	------	------	------
Mexico	Cordova	27.16	21	9 a. m.	27.31	28	3 p. m.	26.99
	Minatitlan	29.92	8	7 a. m.	*i* 30.02	28	3 p. m.	29.76
	Mirador	22.87	------	------	------	------	------	------
	Vera Cruz	30.10	21	11 p. m.	30.26	12	7 a. m.	29.98
California	Sacramento	29.89	27	7 a. m.	30.10	5	9 p. m.	*j* 29.75
	San Francisco	29.85	22	7 a. m.	30.06	24	7 a. m.	*k* 29.73
West Indies	Nassau, Bahamas	30.13	13	------	*l* 30.19	23	------	*m* 30.07
	St. George's, Bermuda	30.16	------	------	------	------	------	------
	Turk's Island, Bahamas	29.91	21	Noon	30.00	------	------	------
Central America	Guatemala	25.26	------	------	25.35	------	------	25.15
South America	Catharina Sophia, Surinam (*c*)	29.84	1	2 p. m	*n* 29.91	23	6 p. m.	29.78
	Catharina Sophia, Surinam	29.89	2	6 a. m.	29.96	23	6 p. m.	29.79

a Same height at 2 p. m. on the 23d.
b Same height at 2 p. m. on the 2d.
c Aneroid.
d Same height at 2 p. m. on the 3d.
e Same height at 1 p. m. and 9 p. m. on the 1st, and at 1 p. m. on the 2d.
f Same height at 2 p. m. on the 27th.
g Not corrected for temperature.
h Same height at 7 a. m. on the 23d.
i Same height at 3 p. m. on the 19th.
j Same height at 2 p. m. on the 24th, and at 9 p. m. on the 31st.
k Same height at 2 p. m. on the 24th.
l Same height on the 21st.
m Same height on the 24th and 28th.
n Same height at 6 p. m. on the 2d.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.72	19	9 a. m.	*a* 30.04	16	9 a. m.	29.30
	Montreal	29.97	27	7 a. m	30.36	16	9 p. m.	29.23
	Moose Factory (*b*)	29.66	------	------	30.45	------	------	28.90
	St. John's	29.50	28	7 a. m.	29.98	23	7 a. m.	*c* 28.90
	St. Martin	29.83	27	6 a. m.	30.25	16	10 p. m.	29.03
	Toronto	29.65	27	6 a. m.	30.05	16	2 p. m.	29.17
	Windsor	29.97	27	7 a. m.	30.38	17	2 p. m.	29.61
	Wolfville	29.61	26	2 p m.	30.19	17	2 p. m.	29.16
Maine	Gardiner	29.89	27	7 a. m.	30.29	16	9 p. m	29.03
	Perry	29.97	27	7 a. m.	30.42	16	9 p. m.	29.34
	Portland	29.97	19	9 p. m.	30.36	17	7 a. m.	29.54
	Steuben	29.97	19	9 p. m.	*d* 30.37	16	9 p m.	29.29
New Hampshire	Concord	29.65	27	7 a. m.	30.06	16	9 p. m.	28.92
	Shelburne	29.84	28	7 a. m.	30.21	16	2 p. m.	29.31
Vermont	Burlington	29.66	19	7 a. m.	*e* 30.07	16	2 p. m.	28.93
	Norwich	29.68	19	7 a. m.	30.02	16	9 p. m.	28.96
	St. Johnsbury	29.41	27	7 a. m.	29.82	16	9 p. m.	28.53
Massachusetts	Amherst	29.66	27	7 a. m.	30.03	16	2 p. m.	28.83
	Bridgewater	29.89	19	7 p. m	30.22	16	7 p. m.	29.07
	Cambridge	30.02	19	9 p. m.	30.41	16	2 p. m.	29.28
	Lawrence	29.94	19	2 p. m.	*d* 30.30	16	9 p. m	29.23
	Nantucket	30.07	19	2 p. m.	*f* 30.42	16	2 p. m.	29.42
	New Bedford	29.97	19	9 p. m.	30.35	16	2 p. m.	29.20
	Newburyport	30.03	27	9 p m.	30.38	16	9 p. m.	29.34
	Westfield	29.94	19	9 p. m.	30.31	16	2 p. m.	29.24
	Williamstown	29.36	26	7 a. m.	29.71	16	2 p. m.	28.67
	Worcester	29.54	19	9 p. m.	29.89	16	9 p. m	28.68
Rhode Island	Providence	29.84	19	10 p. m.	30.33	16	1 p. m.	29.20
Connecticut	Middletown	29.87	19	9 p. m.	30.24	16	2 p. m.	29.94
	Pomfret	29.45	19	9 p. m.	29.82	16	2 p. m.	28.64
	Wallingford	29.96	19	9 p. m	30.31	16	2 p. m.	29.01
New York	Bellport	29.34	19	2 p. m.	*g* 29.60	16	7 a. m.	28.84
	Buffalo	29.40	18	8 a. m.	29.79	16	8 a. m.	28.93
	Canton	29.36	18	7 a. m.	29.71	16	9 p. m.	28.81
	Cazenovia	28.66	19	7 a. m.	*h* 28.96	16	2 p. m.	28.07
	Fishkill Landing (*i*)	30.36	19	2 p. m.	30.70	16	2 p. m.	29.55
	Flatbush	29.98	19	9 p m.	30.33	16	7 a. m.	29.20
	Fort Edward	29.87	27	7 a. m.	30.26	16	2 p. m	29.10
	New York city (*j*)	30.18	18	7 a. m.	30.57	16	7 a. m	29.47
	Rochester	29.43	19	7 a. m.	29.84	16	7 a. m.	28.95
	Sag Harbor	29.75	19	9 p. m	30.10	16	7 a. m.	29.10
	Waterford	29.98	27	7 a. m	30.33	16	2 p. m.	29.24
New Jersey	Bloomfield	30.03	19	9 p. m	30.35	16	2 p. m.	29.20
	Lambertville	30.08	19	9 p. m	30.40	16	2 p. m.	29.40
	Newark	30.01	19	9 p m.	30.34	16	7 a. m.	29.31
Pennsylvania	Bedford	29.16	27	7 a. m.	29.47	16	2 p. m.	28.69
	Berwick (*i*)	29.46	19	7 a. m.	*k* 29.75	16	7 a. m.	*l* 28.83
	Cannonsburg	28.87	19	7 a. m.	29.20	16	2 p. m.	28.45
	Carlisle	29.23	20	7 a. m.	29.54	16	7 a. m	28.62
	Chambersburg	29.40	19	7 a. m	29.76	16	7 a. m.	28.80
	Easton	29.60	19	7 a. m.	*e* 29.91	16	2 p. m.	28.92
	Gettysburg	29.54	19	7 a. m.	29.85	16	7 a. m.	28.90
	Harrisburg, [Heisely]	29.82	19	9 p. m.	30.13	16	2 p. m.	29.20
	Harrisburg, [Hickok]	29.78	19	7 a. m.	30.12	16	7 a. m.	*l* 29.15
	Lewisburg	29.61	27	7 a. m.	29.96	16	2 p. m.	28.98
	Morrisville	30.09	20	7 a. m.	30.42	16	2 p. m.	29.40
	Mount Joy (*i*)	29.76	20	7 a. m.	*f* 30.40	16	7 a. m.	29.10
	Murrysville	28.89	19	7 a. m	29.22	16	7 a. m.	28.45

* For hours of observation, & , see thermometer tables.

a Same height at 9 a. m. on the 27th.
b Maximum and minimum not corrected for temperature.
c Same height at 2 p. m. on the 23d.
d Same height at 9 p. m. on the 27th.
e Same height at 7 a. m. on the 27th.
f Same height at 9 p. m. on the 19th.
g Same height at 7 a. m. on the 20th.
h Same height at 2 p. m. on the 19th, and at 7 a. m. and 2 p. m. on the 27th.
i Not corrected for temperature.
j Observations omitted from the 19th to the 24th, inclusive.
k Same height at 2 p. m and 9 p. m. on the 19th.
l Same height at 2 p. m. on the 16th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.97	18	9 p. m.	30.39	16	2 p. m.	29.28
	Philadelphia	29.92	20	7 a. m.	30.22	16	2 p. m.	29.34
	Pittsburg, [Marine Hospital]	29.01	19	7 a. m.	29.34	16	2 p. m.	28.60
	Pittsburg, [Oakland Station]	28.94	19	7 a. m.	29.26	16	7 a. m.	28.51
	Somerset	27.73	20	7 a. m.	28.02	16	7 a. m.	27.28
	Westtown	29.48	19	9 p. m.	29.79	16	2 p. m.	28.80
Maryland	Annapolis	30.08	19	7 a. m.	30.40	16	7 a. m.	29.45
	Baltimore	29.99	18	2 p. m.	30.38	16	7 a. m.	29.33
	Chestertown	30.12	19	7 a. m.	30.46	16	7 a. m.	29.48
	Frederick	29.80	19	7 a. m.	30.12	16	7 a. m.	29.17
Dist. of Columbia	Washington	30.04	19	7 a. m	30.36	16	7 a. m.	29.42
Virginia	Portsmouth	30.07	18	9 p. m.	30.42	16	7 a. m	29.38
North Carolina	Ashville	27.97	19	7 a. m.	28.30	16	7 a. m.	27.56
	Chapel Hill	29.64	18	7 a. m.	29.98	15	7 a. m.	29.11
	Davidson College	29 19	19	7 a. m.	29.50	16	7 a. m.	28.73
	Murfreesborough	29.24	19	7 a. m.	*a* 29.63	16	2 p. m.	28.77
South Carolina	All Saints	30.04	19	2 p. m.	30.34	15	9 p. m.	29.44
	Charleston, [Dawson]	-----	-----	-----	30.51	-----	-----	29.65
	Columbia	28.85	19	7 a. m	29.12	15	9 p m.	28.48
	St. John's (*b*)	30.19	19	2 p. m.	30.52	15	9 p. m.	29.52
Georgia	Athens	29.35	16	7 a. m.	29.68	15	9 p. m	28.97
	Augusta	29.98	20	9 p. m.	30.18	9	2 p. m.	29.65
	Savannah	30.09	19	7 a. m.	30.37	15	9 p. m	29.55
Florida	Atsena	29.84	19	9 p. m.	30.03	15	1½ a. m.	29.40
	Jacksonville	30.09	19	7 a m.	30.33	15	2 p. m	29.67
	St. Augustine	30.16	18	2 p. m.	*c* 30.33	15	2 p. m.	29.76
	Salt Ponds (*d*)	29.67	24	2 p. m.	*e* 29.78	16	7 a. m.	29.54
Mississippi	Columbus	29.87	19	7 a. m.	30.22	15	2 p. m.	29.62
	Natchez	29.59	19	7 a. m.	*f* 29.85	15	7 a. m.	29.34
	Paulding	29.73	18	9 p m.	30.05	15	2 p. m.	29.50
Texas	Goliad	30.02	19	7 a. m.	*g* 30.23	6	2 p. m.	29.81
	New Braunfels (*d*)	27.68	20	7 a. m.	27.85	2	2 p. m.	27.48
Tennessee	Glenwood	29.62	19	7 a. m.	30.21	2	2 p. m.	*h* 29.35
	Memphis	29.81	18	7 a m.	30.14	2	9 p. m.	29.57
Kentucky	Bardstown (*b*)	30.10	20	7 a. m.	30.42	15	2 p. m	29.81
	Louisville	29.57	19	7 a. m.	*a* 29.91	15	3 p. m.	29.25
	Paris	29.25	19	7 a. m.	29.58	15	9 p. m.	*i* 28.95
	Springdale	29 48	18	7 a. m.	29.82	14	9 p. m.	29.18
Ohio	Bowling Green	29.28	18	7 a m.	29.59	2	9 p. m.	28.88
	Cincinnati, [Harper]	29.53	18	7 a m.	*a* 29.86	15	2 p. m.	29.22
	Cleveland (*b*)	29.04	18	7 a. m.	*j* 29.31	16	7 a. m.	28.70
	Dayton	29.14	18	7 a. m.	29.46	15	9 p. m.	28.85
	Hillsborough	28.90	19	7 a. m	29.24	2	2 p m.	28.55
	Lancaster (*b*)	28.90	19	7 a. m.	29.21	16	7 a m.	28.52
	Medina	28.75	18	2 p. m.	29 03	16	9 p. m.	*i* 28.42
	New Lisbon (*d*)	28.70	18	7 a. m.	*k* 29.00	16	7 a m.	28.30
	Northwood	28.84	-----	-----	-----	-----	-----	-----
	Ripley	29.46	19	7 a. m.	29.80	15	9 p m.	29.14
	Savannah	28.95	19	7 a. m.	29.25	16	7 a. m.	28.59
	Urbana	28.95	18	7 a. m.	29.26	15	2 p. m.	*i* 28.63
	Westerville	28.93	18	7 a. m.	29.24	16	7 a. m	28.60
Michigan	Battle Creek	29.14	26	7 a. m.	29.14	4	2 p. m.	*l* 28.86
	Detroit	28.92	18	7 a. m.	*m* 29.17	5	9 p. m.	28.54
	Marquette	29.28	25	7 a. m.	29 66	2	7 a. m.	28.73
	New Buffalo	29.33	26	7 a m.	29.64	2	1 p. m.	29.02
	Ottawa Point	29.48	-----	-----	-----	-----	-----	-----
	Thunder Bay Island	29.39	26	9 a. m.	29.78	4	3 p m.	28.96

a Same height at 7 a. m. on the 20th.
b Aneroid.
c Same height at 9 p. m. on the 19th and 20th.
d Not corrected for temperature.
e Same height at 2 p. m. on the 27th.
f Same height at 9 p. m. on the 19th, and at 7 a. m. and 2 p. m. on the 20th.
g Same height at 9 p. m. on the 19th.
h Same height at 2 p. m. on the 15th.
i Same height at 7 a. m. on the 16th.
j Same height at 7 a. m. on the 19th and 27th.
k Same height at 7 a. m. and at 2 p. m. on the 19th.
l Same height at 9 p. m. on the 4th.
m Same height at 7 a. m. on the 26th and 27th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	Cannelton	29.69	19	7 a. m.	30.04	15	2 p. m.	29.36
	Evansville	28.90	20	7 a. m.	29.21	2	9 p. m.	28.61
	Madison	29.53	18	7 a. m.	29.84	15	9 p. m.	29.24
	Michigan City	29.27	26	7 a. m.	29.54	2	2 p m.	28.95
	New Harmony	29.72	19	7 a. m.	29.98	2	2 p. m.	29.44
Illinois	Athens	29.43	20	7 a. m.	29.74	2	7 a. m.	29.18
	Batavia, [Capon] (*a*)	29.22	26	2 p. m.	29.49	2	7 a. m.	28.84
	Batavia, [Mead]	29.15	25	7 a. m	*b* 29.40	2	7 a. m.	28.85
	Manchester	28.85	20	7 a. m.	29.14	2	1 p. m.	28.58
	Upper Alton	29.48	20	7 a. m.	29.79	2	2 p. m.	29.22
	West Urbana	29.27	19	2 p. m.	29.69	2	9 p. m.	28.99
	Wheaton	29.25	21	7 a. m.	29.52	2	7 a m.	28.90
Missouri	St. Louis	29.57	20	7 a. m.	30.18	2	2 p. m.	*c* 29.30
Wisconsin	Appleton	28.93	25	7 a. m.	29.28	15	2 p. m.	28.59
	Beloit	29.18	26	7 a. m.	29.50	2	7 a. m.	28.81
	Kenosha (*d*)	29.58	24	7 a. m.	29.90	1	7 a. m.	29.21
	Manitowoc (*e*)	29.73	26	7 a. m.	30.07	2	7 a. m.	29.33
	Milwaukee, [Winkler]	29.30	25	7 a. m.	29.63	4	7 a. m.	28.97
	Waukesha	29.16	25	7 a. m.	29.47	5	2 p. m.	28.75
Iowa	Border Plains	28.75	21	7 a. m.	29.11	5	2 p. m	28.44
	Dubuque	29.32	25	7 a. m.	29.68	2	7 a. m.	28.96
	Fairfield	28.72	10	2 p. m.	29.31	29	2 p. m.	28.21
	Muscatine	29.52	20	9 p. m.	29.85	2	7 a. m.	29.21
Kansas	Lawrence	29.11	20	7 a m	29.45	1	9 p. m.	28.78
	Leavenworth City, [McCarty]	28.64	20	7 a. m.	*f* 28.89	5	2 p. m.	28.43
Utah	Great Salt Lake City	25.68	------	-------	26.00	------	-------	25.05
Mexico	Cordova	27.12	19	9 a. m.	27.29	5	6 p. m.	27.00
	Minatitlan	29.85	12	3 p. m	29.96	26	3 p. m.	29.76
	Mirador	22.87	------	-------	----------	------	-------	-------
	Vera Cruz	30.14	19	8 a. m.	30.41	6	4 p. m.	30.00
California	Sacramento	29.91	20	7 a. m.	30.12	5	9 p. m.	29.63
	San Francisco	29.85	26	7 a. m.	30.03	5	9 p. m.	29.63
West Indies	Centre Signal Station, Bermuda (*g*)	29.98	25	Noon.	30.10	23	Noon.	29.65
	Nassau, Bahamas	30.09	18	-------	*h* 30.16	15	-------	*i* 30.03
	Turk's Island, Bahamas	29.89	5	Noon.	29.96	29	6 a. m	*j* 29.80
Central America	Guatemala	25.24	------	-------	25.32	------	-------	25.15
South America	Catharina Sophia, Surinam (*a*)	29.80	8	2 p. m.	29.90	24	6 p. m.	29.69
	Catharina Sophia, Surinam	29.91	9	6 a. m.	30.04	29	6 a. m.	29.80
Eastern Continent	Jerusalem, Palestine (*a*)	27.50	26	7 a. m	27.66	14	2 p. m.	*k* 27.42

a Aneroid.
b Same height at 7 a. m. on the 26th.
c Same height at 2 p. m. on the 30th.
d Incomplete.
e Not corrected for temperature.
f Same height at 7 a. m. on the 21st.
g For 21 days only.
h Same height on the 24th.
i Same height on the 16th and 17th.
j Same height at 6 a m. on the 19th, 20th, and 21st.
k Same height at 9 p. m. on the 14th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1858.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.71	16	9 a. m.	30.03	7	9 a. m.	29.05
	Montreal	30.03	16	7 a. m.	30.47	9	7 a. m.	29.33
	Moose Factory (*a*)	29.84	------	------	30.72	------	------	28.60
	St. John's	29.42	18	2 p. m.	29.96	4	7 a. m.	*b* 28.85
	St. Martin	29.98	28	10 p. m.	30.28	31	6 a. m.	29.17
	Toronto	29.68	16	6 a. m.	30.01	7	2 p. m.	29.07
	Windsor	29.94	17	9 p. m.	30.57	2	2 p. m.	29.22
	Wolfville	29.42	18	2 p. m.	29.96	4	7 a. m.	*b* 28.85
Maine	Gardiner	29.89	17	7 a. m.	*c* 30.42	4	7 a. m.	29.32
	Perry	29.97	17	7 a. m.	30.63	8	7 a. m.	29.29
	Portland	29.96	17	7 a. m.	30.55	4	2 p. m.	29.37
	Steuben	29.97	17	7 a. m.	30.60	8	7 a. m.	29.27
New Hampshire	Shelburne	29.85	17	7 a. m.	30.30	8	2 p. m.	29.28
Vermont	Burlington	29.68	16	2 p. m.	*d* 30.12	7	2 p. m.	28.97
	Norwich (*e*)	29.74	17	7 a. m.	30.15	9	7 a. m.	29.15
	St. Johnsbury	29.44	17	7 a. m.	29.91	8	7 a. m.	28.82
Massachusetts	Amherst	29.66	16	7 a. m.	30.07	1	2 p. m.	29.19
	Bridgewater	29.87	17	7 a. m.	30.37	4	7 a. m.	29.37
	Cambridge	30.01	17	7 a. m.	30.54	7	7 a. m.	29.39
	Lawrence	29.93	17	7 a. m.	30.47	7	9 p. m.	29.33
	Nantucket	30.05	17	7 a. m.	30.56	7	9 p. m.	29.35
	New Bedford	29.96	17	7 a. m.	30.48	1	9 p. m.	29.41
	Westfield	29.94	17	7 a. m.	30.48	7	9 p. m.	29.36
	Williamstown	29.36	17	7 a. m.	29.74	7	2 p. m.	28.79
	Worcester	29.51	17	9 p. m.	30.29	7	9 p. m.	28.91
Rhode Island	Providence	29.95	17	6 a. m.	30.48	7	10 p. m.	29.38
Connecticut	Middletown	29.90	17	7 a. m.	30.36	7	9 p. m.	29.30
	Pomfret	29.44	17	7 a. m.	29.93	7	9 p. m.	28.86
	Wallingford	29.95	17	7 a. m.	30.44	7	9 p. m.	29.36
New York	Bellport	29.34	17	7 a. m.	29.72	7	9 p. m.	28.86
	Buffalo	29.40	16	8 a. m.	29.75	7	8 a. m.	28.80
	Cazenovia	28.64	18	7 a. m.	28.99	7	2 p. m.	28.03
	Fishkill Landing (*f*)	30.34	17	7 a. m.	30.75	7	2 p. m.	*g* 29.80
	Flatbush	29.98	17	7 a. m.	30.47	7	2 p. m.	29.43
	Fort Edward	29.91	16	7 a. m.	30.32	8	2 p. m.	29.32
	New York city	30.08	17	7 a. m.	30.52	7	2 p. m.	29.50
	Rochester	29.42	16	7 a. m.	*d* 29.77	7	7 a. m.	28.78
	Sag Harbor	29.75	17	7 a. m.	30.23	7	9 p. m.	29.20
	Waterford	30.00	16	7 a. m.	30.40	7	2 p. m.	29.40
New Jersey	Lambertville	30.08	17	7 a. m.	30.50	7	2 p. m.	29.58
	Newark	30.02	17	7 a. m.	30.46	7	9 p. m.	29.49
Pennsylvania	Bedford	29.18	18	7 a. m.	29.55	7	2 p. m.	28.72
	Berwick (*f*)	29.40	17	7 a. m.	*h* 29.83	7	2 p. m.	28.83
	Cannonsburg	28.86	17	7 a. m.	29.23	7	2 p. m.	28.44
	Carlisle	29.29	17	7 a. m.	29.64	7	2 p. m.	28.72
	Chambersburg	29.41	17	7 a. m.	29.80	7	2 p. m.	28.84
	Easton	29.62	17	7 a. m.	30.05	7	2 p. m.	29.07
	Gettysburg	29.54	17	7 a. m.	29.94	7	2 p. m.	28.99
	Harrisburg, [Heisely]	29.82	18	7 a. m.	30.22	7	2 p. m.	29.27
	Harrisburg, [Hickok]	29.78	18	7 a. m.	30.21	7	2 p. m.	29.19
	Lewisburg	29.61	17	7 a. m.	30.01	7	2 p. m.	28.99
	Morrisville	30.11	17	7 a. m.	30.55	7	9 p. m.	29.55
	Mount Joy (*f*)	29.73	18	7 a. m.	30.13	7	2 p. m.	29.16
	Murrysville	28.88	17	7 a. m.	29.26	7	7 a. m.	*i* 29.46
	Norristown	29.98	18	7 a. m.	30.45	7	2 p. m.	29.39
	Philadelphia	29.92	18	7 a. m.	30.32	7	2 p. m.	29.38
	Pittsburg, [Marine Hospital]	29.00	17	7 a. m.	29.36	7	7 a. m.	28.59

* For hours of observation, &c., see thermometer tables.

a Maximum and minimum not corrected for temperature.
b Same height at 9 p. m. on the 4th.
c Same height at 2 p. m. on the 17th.
d Same height at 9 p. m. on the 16th.
e Incomplete.
f Not corrected for temperature.
g Same height at 9 p. m. on the 7th.
h Same height at 7 a. m. on the 18th.
i Same height at 2 p. m. on the 7th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Somerset	27.72	18	7 a. m.	28.08	7	2 p. m.	27.32
	Westtown	29.48	17	7 a. m.	*a* 29.91	1	2 p. m.	29.07
Maryland	Annapolis	30.09	17	7 a. m.	*a* 30.51	7	2 p. m.	29.59
	Baltimore	30.01	17	7 a. m.	30.46	7	2 p. m.	29.46
	Chestertown	30.06	17	7 a m.	*a* 30.50	7	2 p. m.	29.52
	Frederick	29.81	18	7 a. m.	30.24	7	2 p. m.	29.25
Dist. of Columbia	Washington	30.06	17	7 a. m.	*a* 30.46	7	2 p. m.	29.52
Virginia	Portsmouth	30.07	17	7 a. m.	30 48	7	9 p. m.	29.61
North Carolina	Asheville	27.91	17	7 a m.	*b* 28.20	8	9 p. m.	27.64
	Chapel Hill	29 60	18	7 a. m.	30.05	7	2 p. m.	29.28
	Davidson College	29.16	17	7 a. m.	29.55	7	2 p. m.	28.83
	Goldsborough	30.04	17	7 a. m.	30.46	7	9 p. m.	29.66
	Murfreesborough	29.33	17	7 a. m.	29.75	8	2 p. m.	28.86
South Carolina	All Saints	30.03	17	2 p. m.	30.37	23	7 a. m.	29.77
	Charleston, [Dawson]				30.54			30.00
	Charleston, [Johnson]	30.12	17	7 a. m.	30.44	7	9 p m.	29.87
	Columbia	28.86	17	7 a. m.	*c* 29.18	7	2 p. m.	28.61
	St. John's (*d*)	30.18	17	2 p. m.	30.56	8	9 p. m.	29.91
Georgia	Athens	29.34			?	7	2 p. m.	29.12
	Augusta	30.09	10	2 p. m.	30.38	29	2 p. m.	29.80
	Savannah	30.08	16	7 a. m.	30.39	22	2 p. m.	29.76
Florida	Atsena	29.89	16	9 p. m.	30.02	22	2 p. m.	29.58
	Jacksonville	30.08	17	7 a. m.	30.34	22	2 p. m.	29.87
	St. Augustine	30.12	17	7 a. m.	30.38	22	2 p. m.	29.84
	Salt Ponds (*e*)	29.65	29	2 p. m.	29.80	22	7 a. m.	29.44
Alabama	Greensborough	29.67						
Mississippi	Columbus	29.84	18	7 a. m.	30.16	25	2 p. m.	29.57
	Natchez	29.51	15	7 a. m.	*f* 29.75	27	7 a. m.	29.15
	Paulding	29.72	17	7 a. m.	30.20	24	2 p. m.	29.45
Texas	Goliad	29.92	19	9 p. m.	*g* 30.09	26	2 p. m.	29.53
	New Braunfels (*e*)	27.68	19	9 p. m.	*h* 27.80	26	2 p. m.	27.49
	Washington	29.63	14	7 a. m.	*i* 29.79	18	9 p. m.	29.38
Tennessee	Glenwood	29.58	17	7 a. m.	29.91	25	2 p. m.	29.29
	Memphis	29.81	17	9 p. m.	30.06	24	9 p. m.	29.40
Kentucky	Bardstown (*d*)	30.05	17	7 a. m.	*a* 30.40	25	2 p. m.	*a* 29.85
	Louisville	29.55	17	7 a. m.	29.90	4	2 p. m.	29.31
	Paris	29.21	18	7 a. m.	29.57	8	2 p. m.	28.97
	Springdale	29.45	17	7 a m.	*a* 29.78	4	2 p. m.	29.22
Ohio	Avon	29.18	17	2 p. m.	29.39	28	7 a. m.	28.94
	Bowling Green	29.27	18	7 a. m.	29.56	7	7 a. m.	28.92
	Cincinnati, [Harper]	29.51	17	7 a. m.	*a* 29.85	6	9 p. m.	29.26
	Cleveland (*d*)	29.05	18	7 a. m.	29.34	7	7 a. m.	28.59
	Dayton	29.13	17	7 a. m.	29.45	6	9 p. m.	28.88
	Hillsborough	28.87	17	7 a. m.	29.24	6	9 p. m.	28.58
	Hudson	28.85	17	7 a. m.	29.20	8	7 a. m.	28.40
	Lancaster (*d*)	28.87	18	7 a. m.	29.25	8	2 p. m.	28.51
	Medina	28.74	10	7 a. m.	29.06	7	7 a. m.	28.27
	Montville	28.72	17	7 a. m.	29.07	23	7 a. m.	28.02
	New Lisbon (*e*)	28.68	18	7 a. m.	*j* 29.00	7	7 a. m.	28.28
	Northwood	28.80	17	7 a. m.	29.16	8	2 p. m.	28.41
	Ripley	29.44	17	7 a. m.	29.81	7	7 a. m.	29.20
	Savannah	28.93	18	7 a. m.	29.26	7	7 a. m.	28.49
	Urbana	28.94	17	7 a. m.	*a* 29.24	7	7 a. m.	28.66
	Westerville	28.92	18	7 a. m.	29.25	7	7 a. m.	28.58
Michigan	Battle Creek	29.12	19	2 p. m.	29.35	3	2 p. m.	28.68
	Detroit	28.90	17	7 a. m.	29.13	7	2 p. m.	28.47
	Fort Gratiot	29.54						
	Marquette	29.38	24	7 a. m.	29.68	2	9 p. m.	28.62

a Same height at 7 a. m. on the 18th.
b Same height at 2 and 9 p. m. on the 17th, and at 7 a. m. on the 18th.
c Same height at 9 p. m. on the 16th.
d Aneroid.
e Not corrected for temperature.
f Same height at 7 a. m. and 9 p. m. on the 17th, and at 7 a. m. on the 18th.
g Same height at 7 a. m. on the 14th, 20th, and 29th.
h Same height at 7 a. m. on the 20th and 29th.
i Same height at 7 a. m. on the 15th.
j Same height at 7 a. m., 2 and 9 p. m. on the 17th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	New Buffalo	29.32	19	1 p. m.	29.57	3	1 p. m.	28.99
	Ottawa Point	29.41	25	9 a. m.	29.68	7	6 a. m.	28.85
	Thunder Bay Island	29.39	27	6 p. m.	29.72	3	3 p. m.	28.62
Indiana	Cannelton	29.67	17	7 a. m.	30.02	25	2 p. m.	29.44
	Madison	29.51	17	7 a m.	29.89	3	9 p. m.	29.28
	Michigan City	29.23	10	7 a. m.	29.45	3	2 p. m.	28.92
	New Harmony	29.68	17	7 a. m.	29.96	25	2 p. m.	29.38
	Richmond, [Moore] (*a*)	29.04	18	7 a. m.	29.30	13	2 p. m.	28.79
Illinois	Athens	29.39	19	7 a. m.	29.70	3	2 p. m.	29.06
	Batavia, [Capon] (*b*)	29.67	19	7 a. m.	29.35	8	7 a. m.	*c* 28.83
	Batavia, [Mead]	29.15	19	2 p. m.	29.39	2	9 p. m.	28.83
	Manchester	28.82	19	7 a. m.	29.10	3	9 p. m.	28.54
	Upper Alton	29.45	19	7 a. m.	29.72	25	7 a. m.	29.14
	West Urbana	29.23	19	7 a. m.	29.48	4	7 a m.	29.01
	Wheaton	29.22	19	7 a. m.	29.51	3	2 p. m.	28.87
Missouri	St. Louis	29.55	19	7 a. m.	29.81	25	7 a. m.	29.26
Wisconsin	Appleton	28.94	19	7 a m.	29.20	3	7 a. m.	*d* 28.51
	Beloit	29.18	19	7 a. m.	29.44	2	9 p. m.	28.81
	Kenosha (*e*)	29.53	19	7 a. m.	29.85	2	9 p. m.	29.23
	Madison	29.05	4	9 p. m.	29.44	1	9 p. m.	28.55
	Manitowoc (*f*)	29.72	19	2 p. m.	*g* 30 00	2	9 p. m.	29.22
	Milwaukee, [Winkler]	29.30	19	7 a. m.	29.57	2	9 p. m.	28.88
	Waukesha	29.15	19	7 a. m.	29.41	2	2 p. m.	28.72
Iowa	Border Plain	28.72	18	9 p. m.	29.02	2	2 p. m.	28.31
	Dubuque	29.32	19	7 a. m.	29.62	2	2 p. m.	*d* 28.90
	Fairfield	28.02	7	7 a. m.	28.64	28	9 p. m.	27.43
	Muscatine	29.45	19	7 a. m.	29.75	3	2 p. m.	29.15
Kansas	Lawrence	29.04	19	7 a. m.	29.41	------	--------	?
	Leavenworth City, [McCarty]	28.54	5	7 a. m.	28.69	25	2 p. m.	28.41
Utah	Great Salt Lake City	25.87	------	--------	26.24	------	--------	25.00
Mexico	Cordova	27.11	14	9 p. m.	27.20	26	3 p. m.	26.88
	Minatitlan	29.84	15	7 a. m.	29.95	26	3 p m.	*h* 29.70
	Mirador	22.91	------	--------	----------	------	--------	--------
	Vera Cruz	30.13	15	8 a. m.	30.26	26	2 p. m.	29.88
California	Sacramento	29.99	18	7 a. m.	30.32	21	9 p. m.	29.63
	San Francisco	29.92	17	7 a. m.	30.20	21	9 p. m.	29.51
West Indies	Centre Signal Station, Bermuda	29.93	30	Noon.	30.20	24	Noon.	29.00
	Nassau, Bahamas (*i*)	30.05	28	--------	*j* 30.25	22	--------	29.65
	Turk's Island, Bahamas	29.81	29	Noon.	30.21	21	6 a. m.	*k* 29.41
Central America	Guatemala	25.22	------	--------	25.33	------	--------	25.09
South America	Catharina Sophia, Surinam (*b*)	29.76	5	6 p. m.	29.82	30	6 p. m.	29.64
	Catharina Sophia, Surinam	29.86	19	6 a. m.	*l* 29.94	30	6 p. m.	29.79
East'n Continent	Jerusalem, Palestine (*b*)	27.55	3	7 a. m.	*m* 27.61	15	2 p. m.	*n* 27.46

a For the last 22 days of the month.
b Aneroid.
c Same height at 9 p. m. on the 6th.
d Same height at 2 p m. on the 3d.
e Incomplete.
f Not corrected for temperature.
g Same height at 2 p. m. on the 19th.
h Same height at 7 a. m. on the 27th.
i Mean obtained from daily maximum and minimum.
j Same height on the 29th.
k Same height at 6 p. m on the 21st.
l Same height at 6 a. m. on the 21st.
m Same height at 7 a. m. on the 9th.
n Same height at 9 p. m. on the 13th and 14th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.60	1	9 a. m.	*a* 29.93	29	9 p. m.	29.20
	Montreal	29.90	2	7 a. m.	30.46	30	7 a. m.	29.53
	Moose Factory (*b*)	29.88	------	--------	30.70	------	--------	29.40
	Rigolet (*c*)	29.66	2	Sunset.	*d* 30.35	18	Sunrise	*e* 28.52
	St. John's	29.25	4	7 a. m.	29.77	29	9 p. m.	28.77
	St. Martin	29.78	2	6 a. m.	30.30	30	6 a. m.	29.42
	Toronto	29.63	1	10 p. m.	29.97	29	10 p. m.	29.25
	Windsor	29.72	4	7 a. m	30.40	17	7 a. m.	29.18
	Wolfville	29.62	3	7 a. m.	30.27	18	9 p. m	29.08
Maine	Gardiner	29.75	3	7 a. m.	30.31	17	7 a. m.	29.36
	Perry	29.76	3	7 a. m	30.35	17	7 a. m.	29.24
	Portland	29.80	3	7 a. m.	30.39	16	9 p. m.	29.43
	Steuben	29.78	3	9 p. m.	30.44	17	7 a. m.	29.29
New Hampshire	Shelburne	29.67	3	7 a. m.	30.22	17	2 p. m.	29.33
Vermont	Burlington	29.56	2	7 a. m.	30.06	30	7 a. m.	29.23
	Norwich (*f*)	29.56	2	7 a. m.	30.04	24	7 a. m.	29.27
Massachusetts	Amherst	29.66	2	9 p. m.	30.14	23	2 p. m.	29.23
	Bridgewater	29.70	2	7 p. m.	30.17	23	7 p. m.	29.24
	Cambridge	29.85	2	9 p. m.	30.37	23	2 p. m.	29.44
	Lawrence	29.76	2	9 p. m.	30.30	24	2 p. m.	*g* 29.41
	Nantucket	29.86	2	7 a. m.	*h* 30.29	23	2 p. m.	29.25
	New Bedford	29.79	3	7 a. m.	*h* 29.25	23	2 p. m.	29.28
	Westfield	29.80	2	7 a. m.	*i* 30.25	23	2 p. m	29.41
	Williamstown	29.28	3	7 a. m.	29.61	23	2 p. m.	28.75
	Worcester	29.34	2	9 p. m.	29.83	23	9 p. m.	28.98
Rhode Island	Providence	29.77	2	Sunrise.	30.26	23	1 p. m.	29.30
Connecticut	Middletown	29.73	2	9 p. m.	30.15	23	2 p. m.	29.22
	Pomfret	29.26	2	9 p. m.	29.72	23	2 p. m.	28.77
	Wallingord	29.81	2	7 a. m.	30.24	23	2 p. m.	29.27
New York	Bellport	29.25	2	7 a. m	*j* 29.52	23	2 p. m.	28.74
	Buffalo	29.30	1	9 p. m.	29.64	23	2 p. m.	28.97
	Cazenovia	28.50	2	7 a. m.	*k* 28.87	23	2 p. m.	28.21
	Fishkill Landing (*c*)	30.13	2	7 a. m.	*j* 30.50	23	2 p. m.	29.75
	Flatbush	29.88	11	2 p. m	30.24	23	7 a. m.	29.35
	Fort Edward	29.74	2	7 a. m.	30.22	21	7 a. m.	29.32
	New York city	29.92	2	9 p. m.	30.32	23	7 a. m.	29.44
	Rochester	29.27	2	7 a. m.	29.58	13	2 p. m.	28.95
	Sag Harbor	29.62	2	9 p. m.	30.00	28	9 p. m.	29.28
	Waterford	29.88	2	7 a. m.	30.29	23	2 p. m.	29.54
New Jersey	Lambertville	29.93	1	9 p. m.	30.26	23	7 a. m.	29.52
	Newark	29.89	2	9 p. m.	30.21	23	7 a. m.	29.43
Pennsylvania	Berwick (*c*)	29.22	2	7 a. m.	*l* 29.58	23	7 a. m.	*m* 28.84
	Cannonsburg	28.75	26	2 p. m.	*n* 29.06	28	2 p. m.	28.32
	Carlisle	29.11	1	7 a. m.	29.42	28	9 p. m.	28.77
	Chambersburg	29.28	1	2 p. m.	29.54	6	2 p. m.	29.02
	Easton	29.47	2	7 a. m.	29.80	23	2 p. m.	29.08
	Gettysburg	29.42	1	2 p. m.	*a* 29.67	28	9 p. m.	29.02
	Harrisburg, [Heisely]	29.70	2	7 a. m.	*o* 29.97	28	9 p. m.	29.32
	Harrisburg, [Hickok]	29.66	1	7 a. m.	29.94	28	9 p. m.	29.27
	Lewisburg	29.48	1	7 a. m.	29.77	23	2 p. m.	29.13
	Linden	29.48	27	7 a. m.	29.78	28	9 p. m.	29.09
	Morrisville	29.99	11	7 a. m.	30.27	23	7 a. m.	29.50
	Mount Joy (*c*)	29.57	1	9 p. m.	29.88	28	9 p. m.	29.16
	Murrysville	28.77	26	9 p. m.	29.08	28	2 p. m.	28.32
	Norristown	29.86	1	9 p. m.	30.16	23	7 a. m.	29.44

* For hours of observation, &c., see thermometer tables.

a Same height at 9 p. m. on the 1st.
b Maximum and minimum not corrected for temperature.
c Not corrected for temperature.
d Same height at sunrise on the 3d.
e Same height at sunset on the 18th.
f Incomplete.
g Same height at 2 and 9 p. m. on the 23d.
h Same height at 2 and 9 p. m. on the 2d.
i Same height at 9 p. m. on the 2d.
j Same height at 2 p. m. on the 2d.
k Same height at 7 a. m. on the 30th.
l Same height at 7 a. m. and 2 and 9 p. m. on the 1st.
m Same height at 9 p. m. on the 28th.
n Same height at 9 p. m. on the 26th.
o Same height at 7 a. m. and at 9 p. m on the 1st.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Philadelphia	29.94	2	7 a. m.	30.06	23	7 a. m.	29.43
	Pittsburg, [Marine Hospital]	28.88	27	7 a. m.	29.19	28	2 p. m.	*a* 28.48
	Somerset	27.56	1	7 a. m.	27.89	28	9 p. m.	27.16
	Westtown	29.33	1	9 p. m.	29.61	23	7 a. m.	28.95
Maryland	Annapolis	29.97	27	7 a. m.	30.26	28	9 p. m.	29.58
	Baltimore	29.88	27	7 a. m.	30.17	28	9 p. m.	29.47
	Chestertown	29.92	27	7 a. m.	30.24	29	9 p. m.	29.50
	Frederick	29.69	27	7 a. m	29.99	28	9 p. m.	29.29
	Leonardtown	29.56	28	7 a. m.	*b* 29.77	24	7 a. m.	29.20
Dist. of Columbia	Washington	29.95	27	7 a. m.	30.24	28	9 p. m.	29.55
Virginia	Portsmouth	29.94	27	7 a. m.	30.26	29	7 a. m.	29.49
North Carolina	Chapel Hill	29.52	26	9 p. m.	29.79	29	7 a. m.	29.22
	Davidson College	29.11	26	9 p. m.	29.41	28	9 p. m.	28.82
	Goldsborough	29.94	27	7 a. m.	30.28	29	7 a. m.	29.64
	Murfreesborough	29.32	27	7 a. m.	29.64	29	7 a. m.	29.03
South Carolina	All Saints	29.96	27	7 a. m.	30.28	22	2 p. m.	29.62
	Charleston, [Dawson]	------	------	------	30.46	------	------	29.84
	Charleston, [Johnson]	30.05	26	7 a. m.	*c* 30.34	22	9 p. m.	29.83
	Columbia	28.84	26	7 a. m.	*d* 29.09	28	9 p. m.	28.57
	St. John's (*e*)	30.05	26	2 p. m.	30.37	22	2 p. m.	29.79
Georgia	Savannah	30.03	26	9 p. m.	30.35	22	2 p. m.	29.68
Florida	Atsena	29.73	26	7 a. m.	*c* 29.98	30	7 a. m.	29.48
	Jacksonville	30.07	26	7 a. m.	30.40	22	7 a. m.	29.77
	Salt Ponds (*f*)	29.66	26	2 p. m.	29.90	21	7 a. m.	29.49
Alabama	Greensborough	29.65	26	7 a. m.	29.99	22	7 a. m.	29.27
Mississippi	Columbus	29.86	26	7 a. m.	30.20	21	9 p. m.	29.45
	Natchez	29.52	26	7 a. m.	*g* 29.85	21	2 p. m.	*h* 28.95
	Paulding	29.72	25	7 a. m.	30.04	21	9 p. m.	29.33
Texas	Goliad	30.08	26	7 a. m.	30.35	21	7 a. m.	29.59
	New Braunfels (*f*)	27.81	8	9 p. m.	27.98	21	2 p. m.	27.58
Tennessee	Glenwood	29.56	26	7 a. m.	29.94	22	7 a. m.	29.12
	Memphis	29.79	19	7 a. m.	30.17	22	7 a. m.	29.46
Kentucky	Bardstown (*e*)	29.98	24	7 a. m.	30.42	20	2 p. m.	29.54
	Louisville	29.52	26	7 a. m.	29.93	22	2 p. m.	29.07
	Paris	29.16	26	7 a. m.	29.55	28	2 p. m.	28.73
	Springdale	29.39	26	7 a. m.	29.78	28	2 p. m.	28.95
Ohio	Avon	29.03	26	9 p. m.	29.39	28	2 p. m.	28.51
	Bowling Green	29.21	26	9 p. m.	29.59	28	2 p. m.	28.82
	Cincinnati, [Harper]	29.45	26	2 p. m.	29.83	28	2 p. m.	28.98
	Cleveland (*e*)	28.95	26	2 p. m.	29.29	28	2 p. m.	28.61
	College Hill	28.84	19	2 p. m.	29.15	24	7 a. m.	28.54
	Dayton	29.12	26	7 a. m.	29.48	28	2 p. m.	*i* 28.72
	Hillsborough	28.78	26	7 a. m.	29.18	28	2 p. m.	28.34
	Hudson	28.76	26	2 p. m.	*j* 29.10	23	7 a. m.	28.39
	Lancaster (*e*)	28.76	26	9 p. m.	29.14	28	2 p. m.	28.27
	Montville	28.65	26	9 p. m.	29.03	28	2 p. m.	28.24
	New Lisbon (*f*)	28.56	26	9 p. m.	28.90	28	2 p. m.	28.15
	Northwood	28.78	19	2 p. m.	29.38	28	2 p. m.	28.38
	Ripley	29.37	30	9 p. m.	29.69	28	2 p. m.	28.86
	Savannah	28.85	26	9 p. m.	29.23	28	2 p. m.	28.43
	Urbana	28.84	26	9 p. m.	29.22	28	2 p. m.	28.41
	Westerville	28.84	26	2 p. m.	29.22	28	2 p. m.	28.39
Michigan	Battle Creek	29.09	26	7 a. m.	*k* 29.41	22	9 p. m.	*b* 28.77
	Detroit	28.93	30	7 a. m.	29.22	23	7 a. m.	28.59
	Lansing	29.03	19	7 a. m.	29.39	23	7 a. m.	28.65
	Marquette	29.37	26	7 a. m.	*g* 29.60	29	7 a. m.	*l* 28.80
	New Buffalo	29.28	26	7 a. m.	29.64	28	7 a. m.	28.89

a Same height at 9 p. m. on the 28th.
b Same height at 2 p. m. on the 28th.
c Same height at 7 a. m. on the 27th.
d Same height at 2 p. m. on the 27th.
e Aneroid.
f Not corrected for temperature.
g Same height at 2 p. m. on the 26th.
h Same height at 9 p. m. on the 21st.
i Same height at 7 a. m. on the 28th.
j Same height at 9 p. m. on the 26th.
k Same height at 2 and 9 p. m. on the 26th.
l Same height at 2 p. m. on the 29th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Michigan	Ottowa Point	29.38	26	6 a. m.	*a* 29.73	29	6 p. m.	28.89
	Thunder Bay Island	29.37	1	9 a. m	*b* 29 71	29	6 p. m.	28.81
Indiana	Cannelton	29.65	26	7 a m.	29.65	22	2 p. m.	29.22
	Madison	29.46	26	7 a. m.	29.84	28	2 p. m.	29.00
	New Harmony	29.67	26	7 a. m.	30.06	28	7 a. m.	29.23
	Notre Dame	29.20	26	7 a. m.	29.58	28	7 a. m.	28.78
	Richmond, [Moore]	28.95	26	7 a. m.	29.29	28	2 p. m.	28.50
Illinois	Athens	29.40	18	9 p. m.	29.81	27	9 p. m.	29.00
	Batavia, [Capon] (*c*)	28.91	26	2 p. m.	29.33	28	7 a. m.	*d* 28.62
	Batavia, [Mead]	29.17	19	7 a. m.	29.53	28	7 a. m.	28.86
	Manchester	28.82	19	7 a. m.	29.19	27	9 p. m.	28.47
	Upper Alton	29.45	18	9 p. m.	29.82	2	7 a. m.	29.10
	West Urbana	29.20	26	7 a. m.	29.57	12	9 p. m.	28.78
	Wheaton	29.19	26	7 a. m.	29.57	28	7 a. m.	28.83
Missouri	St. Louis	29.55	18	9 p. m.	29.24	2	7 a. m.	*e* 29.16
Wisconsin	Appleton	29.00	26	7 a. m.	29.32	29	2 p. m.	28.57
	Beloit	29.19	18	9 p. m.	29.55	28	7 a. m.	28.88
	Kenosha (*f*)	29.54	26	7 a m.	29.93	28	7 a. m.	*g* 29.22
	Madison	29.02	18	9 p. m.	29.39	29	7 a. m.	28.72
	Manitowoc (*h*)	29.74	18	9 p. m.	*i* 30.06	29	2 p. m.	29.28
	Milwaukee, [Winkler]	29.31	26	7 a. m.	29.67	29	2 p. m.	28.91
	Waukesha	29.16	26	2 p. m.	29.45	12	9 p. m.	28.09
Iowa	Border Plains	29.82	20	9 p. m.	29.50	18	9 p. m.	29.23
	Dubuque	29.36	18	9 p. m.	29.75	28	7 a. m.	*j* 29.05
	Fairfield	27.77	18	9 p. m.	28.22	2	2 p. m.	27.46
	Muscatine	29.50	18	9 p. m.	29.87	28	2 p. m.	29.18
Minnesota	Beaver Bay	29.23	15	9 p. m.	29.54	29	7 a. m.	28.57
	Stillwater	29.32	18	9 p. m.	29.69	28	7 a. m.	28.93
Kansas	Lawrence	29.14	18	7 a. m.	*k* 29.57	20	2 p. m.	28.79
	Leavenworth City, [McCarty]	28.69	18	7 a. m.	29.07	20	2 p. m.	28.44
Utah	Great Salt Lake City	25.60	------	------	------	------	------	------
Mexico	Cordova	27.16	24	9 a. m.	27.39	21	3 p. m.	26.78
	Minatitlan	29.91	24	7 a. m.	30.08	21	3 p. m.	29.60
	Mirador	22.91	------	------	------	------	------	------
	Vera Cruz	30.24	25	9 a. m.	30.45	21	10 a. m.	29.92
California	Sacramento	30.07	18	9 p. m.	30.26	30	2 p. m.	29.85
	San Francisco	29.99	19	7 a. m.	30.17	30	2 p. m.	29.77
West Indies	Central Signal Station, Bermuda (*l*)	29.93	1	Noon.	*m* 30.15	12	Noon.	29.65
	Nassau, Bahamas (*n*)	30.11	27	------	30.28	16	------	29.97
	Turk's Island, Bahamas	30.00	27	Noon.	30.14	17	6 a. m.	*o* 29.90
Central America	Guatemala	25.26	------	------	25.38	------	------	25.09
South America	Catharina Sophia, Surinam (*c*)	29.69	2	6 a. m.	*p* 29.77	20	6 a. m.	29.60
	Catharina Sophia, Surinam	29.85	11	6 a. m.	29.91	3	6 p. m.	*q* 29.79
	Chanarcillo, Chili (*f*)	26.13	------	------	------	------	------	------
Eastern Continent	Jerusalem, Palestine (*c*)	27.66	21	2 p. m.	*r* 27.87	13	2 p. m.	27.44

a Same height at 9 a. m. on the 26th.
b Same height at 3 p. m. on the 1st.
c Aneroid.
d Same height at 2 p. m. on the 28th.
e Same height at 9 p. m. on the 1st.
f Imperfect.
g Same height at 2 p. m. on the 29th.
h Not corrected for temperature.
i Same height at 7 a. m. on the 26th.
j Same height at 7 a. m. on the 29th.
k Same height at 9 p. m. on the 18th.
l For twenty-three days only.
m Same height at noon on the 2d.
n Mean obtained from daily maximum and minimum.
o Same height at 6 a. m. and noon on the 16th, and 6 p. m. on the 15th and 16th.
p Same height at 2 p. m. on the 10th.
q Same height at 6 p. m. on the 26th.
r Same height at 9 p. m. on the 21st, and at 2 and 9 p. m. on the 22d.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1858.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.68	25	9 a. m.	30.24	5	9 a. m.	29.08
	Montreal	30.10	25	2 p. m.	30.73	22	7 a. m	29.40
	Moose Factory (*a*)	29.88	------	--------	30.69	------	--------	28.96
	Rigolet (*b*)	29.76	30	Sunset.	30.42	23	Sunset.	28.50
	St. John's	29.50	31	2 p. m.	30.12	28	9 p. m.	28.72
	St. Martin	29.98	26	7 a. m.	30.55	22	7 a. m.	29.31
	Toronto	29.69	25	6 a. m	30.32	21	2 p. m.	29.01
	Windsor	29.96	31	7 a. m.	30.62	22	2 p. m.	28.62
	Wolfville	29.87	31	7 a. m.	30.65	22	2 p. m.	28.46
Maine	Gardiner	29.91	25	9 p. m.	30.42	22	7 a. m.	28.97
	Perry	29.98	13	7 a. m.	30.60	22	7 a. m.	28.85
	Portland	30.02	12	9 p. m.	30.56	22	7 a. m.	29.07
	Steuben	29.97	13	7 a. m.	30.58	22	7 a. m.	28.79
New Hampshire	Shelburne	29.83	25	9 p. m.	30.28	22	2 p. m.	29.04
Vermont	Burlington	29.74	25	2 p. m.	30.34	22	2 p. m.	29.23
	Norwich (*c*)	29.77	12	9 p. m.	30.18	14	7 a. m.	29.27
	St. Johnsbury	29.46	25	2 p. m.	30.06	22	7 a. m.	28.65
Massachusetts	Amherst	29.88	25	9 p. m.	30.45	22	7 a. m.	29.03
	Bridgewater	29.92	25	7 p. m.	30.43	22	7 a. m.	29.10
	Cambridge	30.04	25	9 p m.	30.63	22	9 p. m.	29.15
	Danvers (*b*)	30.24	12	9 p. m.	30.72	22	7 a. m.	29.43
	Lawrence	29.96	25	2 p. m.	*d* 30.50	22	7 a. m.	28.99
	Nantucket	30.11	25	9 p. m.	30.61	22	7 a. m.	29.24
	New Bedford	30.03	25	9 p. m.	30.56	22	7 a. m	29.11
	Westfield	30.01	25	9 p. m.	30.53	21	9 p. m.	29.31
	Williamstown	29.34	25	9 p m.	29.82	22	2 p. m.	28.70
	Worcester	29.54	25	9 p. m.	30.09	22	7 a. m.	28.66
Rhode Island	Providence	29.96	25	10 p. m.	30.48	21	10 p. m.	*e* 29.10
Connecticut	Middletown	29.95	25	9 p. m.	30.50	21	9 p. m.	29.12
	Pomfret	29.47	25	9 p. m.	30.00	22	7 a. m.	28.63
	Wallingford	30.01	25	9 p. m.	30.58	21	9 p. m.	29.15
New York	Bellport	29.42	25	2 p. m.	29.83	21	9 p. m.	28.73
	Buffalo	29.39	25	8 a. m.	30.01	21	2 p m.	28.75
	Cazenovia	28.64	25	2 p. m.	29.14	21	9 p. m.	27.96
	Fishkill Landing (*b*)	30.32	25	9 p. m.	30.85	21	9 p. m.	29.60
	Flatbush	30.07	25	9 p. m.	30.61	21	9 p m.	29.20
	Fort Edward	29.95	25	2 p. m.	30.55	21	9 p. m.	29.21
	New York city	30.13	25	2 p. m.	30.69	15	7 a. m.	29.65
	Rochester	29.45	25	7 a. m	30.07	21	7 a. m.	28.77
	Sag Harbor	29.82	25	9 p. m.	30.32	21	9 p. m.	28.98
	Waterford	30.08	25	7 a. m.	30.64	22	7 a. m.	29.39
New Jersey	Lambertville	30.11	25	9 p. m.	30.67	21	9 p. m.	29.34
	Newark	30.07	25	6 p. m.	30.61	21	6 p. m.	29.37
Pennsylvania	Berwick (*b*)	29.38	25	2 p. m.	30.00	21	9 p. m.	28.67
	Carlisle	29.26	10	7 a. m.	29.66	21	9 p m.	28.54
	Cannonsburg	28.86	25	7 a. m.	29.37	21	2 p. m.	28.21
	Chambersburg	29.44	25	2 p. m.	29.97	21	9 p. m.	28.75
	Easton	29.66	25	9 p. m.	30.19	21	9 p. m.	28.85
	Gettysburg	29.60	25	2 p. m	*d* 30.10	21	9 p. m.	28.84
	Harrisburg, [Heisely]	29.86	25	9 p. m	30.38	23	9 p. m	29.12
	Harrisburg, [Hickok]	29.84	25	7 a. m.	30.40	21	9 p m.	29.06
	Lewisburg	29.64	25	7 a. m.	30.20	21	9 p. m.	28.89
	Linden	29.65	1	7 a. m.	30.02	21	9 p m.	28.92
	Morrisville	30.22	25	9 p. m.	30.72	21	9 p. m.	29.37
	Mount Joy (*b*)	29.75	25	9 p. m.	30.24	21	9 p. m.	29.00
	Murrysville	28.88	9	9 p. m.	29.45	21	2 p. m.	28.20
	Norristown	30.02	25	9 p. m	30.62	21	9 p. m.	29.18
	Philadelphia	29.97	25	9 p. m.	30.46	21	9 p. m	29.21
	Pittsburg, [Marine Hospital]	28.99	25	2 p. m.	29.48	21	2 p. m.	28.34
	Somerset	27.68	25	7 a. m	28.06	21	2 p. m.	27.11
	Westtown	29.53	25	9 p. m.	30.05	21	9 p. m.	28.77

* For hours of observation, &c., see thermometer tables.

a Maximum and minimum not corrected for temperature.
b Not corrected for temperature.
c Incomplete.
d Same height at 9 p. m. on the 25th.
e Same height at sunrise on the 22d.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Maryland	Annapolis	30.15	25	9 p. m.	30.66	21	2 p. m.	29.44
	Baltimore	29.86	10	7 a. m.	30.53	21	2 p. m.	29.30
	Chestertown	30.14	26	7 a. m.	30.77	21	2 p. m.	29.41
	Frederick	29.86	25	9 p. m.	30.39	21	2 p. m.	29.11
	Leonardtown (*a*)	29.71	25	9 p. m.	30.10	21	9 p. m.	29.05
Dist. of Columbia	Washington	30.12	25	9 p. m.	30.64	21	9 p. m.	29.39
Virginia	Point Pleasant (*a*)	29.36	9	7 a. m.	*b* 30.00	1	9 p. m.	*c* 29.00
	Portsmouth	30.13	25	9 p. m.	30.57	21	2 p. m.	29.35
North Carolina	Chapel Hill	29.68	25	9 p. m.	30.17	21	2 p. m.	28.97
	Davidson College	29.22	25	9 p. m.	29.67	21	2 p. m.	28.53
	Goldsborough	30.13	25	9 p. m.	30.60	21	2 p. m.	29.46
	Murfreesborough	29.46	10	7 a. m.	29.99	21	2 p. m.	28.75
South Carolina	All Saints	30.11	25	9 p. m.	30.52	21	2 p. m.	29.54
	Charleston, [Dawson]	----------	------	--------	30.67	------	--------	29.81
	Charleston, [Johnson]	30.21	25	9 p. m.	30.59	21	2 p. m.	29.71
	Columbia	28.97	10	7 a. m.	*d* 29.30	21	2 p. m.	28.47
	St. John's (*e*)	30.25	25	2 p. m.	30.62	21	2 p. m.	29.74
Georgia	Savannah	30.15	10	7 a. m.	30.52	21	2 p. m.	29.67
Florida	Atsena	29.85	9	9 p. m.	*f* 30.05	29	2 p. m.	29.60
	Jacksonville	30.21	10	7 a. m.	*f* 30.46	21	2 p. m.	29.83
	St. Augustine	30.03	25	9 p. m.	30.25	21	2 p. m.	29.67
	Salt Ponds	29.77	26	2 p. m.	29.87	29	7 a. m.	29.60
Alabama	Greensborough	29.72	------	--------	?	------	--------	?
Mississippi	Columbus	29.92	9	7 a. m.	30.41	30	2 p. m.	29.42
	Natchez	29.57	9	2 p. m.	*g* 30.05	30	2 p. m.	29.12
	Paulding	29.82	9	9 p. m.	30.21	30	2 p. m.	*h* 29.54
Texas	Goliad	30.05	9	7 a. m.	30.61	29	2 p. m.	*i* 29.70
	New Braunfels (*a*)	27.81	9	7 a. m.	*j* 28.10	29	9 p. m.	27.63
	Washington	29.72	9	7 a. m.	30.31	29	9 p. m.	29.31
Tennessee	Glenwood	29.63	9	7 a. m.	30.17	30	2 p. m.	29.09
	Memphis	29.83	9	7 a. m.	30.42	30	2 p. m.	29.30
Kentucky	Bardstown (*e*)	30.02	9	7 a. m.	30.62	14	9 p. m.	29.00
	Louisville	29.59	9	7 a. m.	30.15	30	3 p. m.	29.04
	Paris	29.24	9	7 a. m.	29.76	21	7 a. m.	28.71
	Springdale	29.48	9	7 a. m.	30.01	30	9 p. m.	28.93
Ohio	Avon	29.11	7	7 a. m.	29.99	5	7 a. m.	28.59
	Bowling Green	29.28	25	7 a. m.	29.80	30	9 p. m.	28.69
	Cincinnati, [Harper]	29.57	9	2 p. m.	30.08	21	7 a. m.	29.00
	Cleveland (*e*)	29.03	25	7 a. m.	29.51	21	7 a. m.	28.52
	Hillsborough	28.86	9	7 a. m.	29.35	21	2 p. m.	28.31
	Hudson	28.86	25	7 a. m.	29.33	21	2 p. m.	28.27
	Lancaster (*e*)	28.85	25	7 a. m.	29.31	21	7 a. m.	28.31
	Montville	28.70	1	7 a. m.	29.50	21	2 p. m.	28.14
	New Lisbon (*a*)	28.67	25	7 a. m.	29.12	21	2 p. m.	28.10
	Northwood	28.80	25	7 a. m.	29.29	30	9 p. m.	28.32
	Ripley	29.48	9	7 a. m.	29.99	21	7 a. m.	28.91
	Savannah	28.91	24	9 p. m.	*k* 29.42	21	7 a. m.	*l* 28.34
	Urbana	28.92	9	2 p. m.	29.40	21	2 p. m.	28.41
	Westerville	28.91	25	7 a. m.	29.38	21	7 a. m.	28.36
Michigan	Battle Creek	29.12	9	2 p. m.	29.59	30	2 p. m.	28.57
	Detroit	29.03	25	7 a. m.	29.40	5	7 a. m.	28.46
	Lansing	29.04	9	2 p. m.	*m* 29.51	5	7 a. m.	28.44
	Marquette	29.30	24	7 a. m.	29.71	13	7 a. m.	28.66
	New Buffalo	29.32	24	9 p. m.	29.87	30	2 p. m.	28.64
	Ottawa Point	29.41	24	6 p. m.	29.94	5	9 a. m.	28.75
	Thunder Bay Island	29.39	24	3 p. m.	29.89	5	9 a. m.	28.67

a Not corrected for temperature.
b Same height at 2 and 9 p. m. on the 9th.
c Same height occurred 15 times during the month.
d Same height at 7 a. m. and 2 p. m. on the 25th.
e Aneroid.
f Same height at 9 p. m. on the 25th.
g Same height at 9 p. m. on the 9th.
h Same height at 9 p. m. on the 30th.
i Same height at 9 p. m. on the 29th.
j Same height at 2 p. m. on the 9th.
k Same height at 7 a. m. on the 25th.
l Same height at 2 p. m. on the 21st.
m Same height at 8 p. m. on the 9th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1858.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Indiana	Cannelton	29.72	9	7 a. m.	30.31	30	2 p. m.	29.14
	Madison	29.53	9	2 p. m.	30.07	21	7 a. m.	29.00
	New Harmony	29.72	9	7 a. m.	30.30	30	2 p. m.	29.12
	Richmond, [Moore]	29.01	9	7 a. m.	29.47	20	7 a. m.	*a* 28.41
Illinois	Athens	29.43	9	7 a. m.	30.01	29	2 p. m.	28.95
	Batavia, [Capon] (*b*)	28.95	24	2 p. m.	29.41	30	2 p. m.	28.47
	Batavia, [Mead]	29.19	9	7 a. m.	29.79	30	2 p. m.	28.53
	Manchester	28.84	9	7 a. m	29.42	30	1 p. m.	28.29
	Upper Alton	29.47	8	7 a. m.	30.03	30	7 a. m.	28.52
	West Urbana	29.25	9	7 a. m.	29.77	30	2 p. m.	28.61
	Wheaton	29.21	9	7 a. m.	29.78	30	2 p. m.	28.45
Missouri	St. Louis	29.57	9	7 a. m.	30.17	30	7 a. m.	28.99
Wisconsin	Appleton	29.00	9	7 a. m.	29.53	31	7 a. m.	28.61
	Beloit	29.19	9	7 a. m.	29.72	30	2 p. m	28.36
	Kenosha (*c*)	29.54	9	2 p. m.	30.07	30	2 p. m.	28.92
	Madison	29.02	9	7 a. m.	29.58	30	9 p. m.	28.22
	Manitowoc (*d*)	29.71	9	2 p. m.	30.26	30	9 p. m.	28.89
	Milwaukee, [Winkler]	29.29	9	2 p. m.	29.83	30	2 p. m.	28.61
	Waukesha	29.13	9	7 a. m.	29.68	29	7 a. m.	*e* 28.81
Iowa	Border Plains	28.77	9	7 a. m.	29.29	12	2 p. m.	28.21
	Dubuque	29.33	9	7 a. m.	29.97	30	2 p. m.	28.61
	Fairfield	27.80	9	7 a. m.	28.37	29	2 p. m.	27.29
	Muscatine	29.56	9	7 a. m.	30.04	30	2 p. m.	28.97
Minnesota	Beaver Bay	29.13	9	7 a. m.	29.61	30	9 p. m.	28.60
Nebraska	Gilbert's Trading Post	22.78	17	7 a. m.	23.13	5	2 p. m.	22.47
Kansas	Lawrence	29.11	9	7 a. m.	29.71	29	2 p. m.	28.68
	Leavenworth City	28.69	9	7 a. m.	29.15	12	2 p. m.	28.37
Mexico	Cordova	27.16	9	9 p. m.	27.41	30	3 p. m.	26.87
	Minatitlan	29.89	10	7 a. m.	30.10	30	3 p. m.	29.70
	Mirador	22.91	------	------	------	------	------	------
	Vera Cruz	30.15	9	11 p. m.	30.48	30	1½ p. m.	29.72
California	Sacramento	30.11	7	9 p. m.	*f* 30.36	11	2 p. m.	29.79
	San Francisco	30.01	7	7 a. m.	30.26	11	2 p. m.	29.68
West Indies	Central Signal Station, Bermuda	30.08	14	Noon.	30.30	22	Noon.	29.80
	Nassau, Bahamas (*g*)	30.19	6	------	30.27	28	------	30.06
	Turk's Island, Bahamas	30.10	10	Noon.	30.15	29	Noon.	*h* 30.03
Central America	Guatemala	25.26	------	------	25.38	------	------	25.12
South America	Catharina Sophia, Surinam (*b*)	29.66	1	2 p. m.	29.73	4	6 p. m.	*i* 29.60
	Catharina Sophia, Surinam	29.86	26	6 a. m.	29.95	3	6 p m.	*j* 29.79
	Chanarcillo, Chili (*c*)	26.07	------	------	------	------	------	------
Eastern Continent	Jerusalem, Palestine	27.65	26	2 p. m.	*k* 27.89	17	9 p. m.	27.39

a Same height at 7 a.m. on the 21st.
b Aneroid.
c Imperfect.
d Not corrected for temperature.
e Same height at 2 p. m. on the 30th.
f Same height at 7 a. m. on the 8th.
g Mean obtained from daily maximum and minimum.
h Same height at 6 p. m. on the 29th.
i Same height at 6 p. m. on the 5th.
j Same height at 6 p. m. on the 4th.
k Same height at 9 p. m. on the 26th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	------	------	------	—23.87	31	10	31	5.00	17	—46	17	—42.00	----
Hamilton	31.90	------	32.54	32.22	11	*b* 48	26	46.50	31	16	31	18.00	----
Montreal	15.31	21.94	19.05	18.77	26	43	26	40.63	23	—13	23	— 1.06	5.7
Moose Factory (*c*)	------	------	------	—9.00	----	----	----	----	----	----	----	----	----
Red River Settlement	0.19	11.31	4.66	5.39	23	40	23	33.67	13	—21	13	—13.00	4.8
Rigolet (*d*)	—2.45	------	0.58	0.93	31	33	31	31.50	4	—25 *e*	8	—23.00	----
St. John's	23.42	26.71	23.32	24.52	30	40	30	36.67	23	— 7	23	— 3.00	----
St. Martin	7.19	21.53	12.96	13.89	26	43	26	38.30	23	—19	23	— 7.70	4.5
Stanbridge	15.00	24.52	19.23	19.58	11	44	26	41.67	8	—13	8	— 5.67	6.3
Toronto (*f*)	29.00	33.35	28.47	30.27	26	46	26	42.82	31	7	30	17.37	6.1
Windsor	21.59	28.98	24.61	25.06	12	49	12	43.30	23	0	8	6.70	5.5
Wolfville	22.85	28.11	25.11	25.36	12	52	12	43.53	23	0	8	5.33	5.0
MAINE—													
Cornish, [Guptill]	19.87	28.22	23.32	23.80	26	46	26	42.67	8	— 2	8	3.33	4.8
Cornish, [West]	17.90	25.74	21.23	21.62	4	*g* 42	26	40.33	8	— 7	8	— 1.00	4.3
East Exeter	12.90	24.71	18.90	18.84	27	45	26	36.67	8	—15	8	— 5.00	4.8
Gardiner	16.10	27.34	21.97	21.80	27	45	26	36.67	8	—24	8	2.67	4.7
Monson	------	------	------	------	----	----	----	----	----	----	----	----	5.0
Perry	18.97	27.00	22.48	22.82	12	*b* 43	26	39.33	8	0	8	3.67	4.5
Portland	22.93	30.60	26.63	26.72	11	46	26	40.33	8	3	8	7.83	5.0
Steuben	17.81	27.52	23.06	22.80	27	48	26	*h* 38.33	8	0 *e*	8	3.33	5.8
NEW HAMPSHIRE—													
Claremont	19.06	31.63	24.19	24.96	4	48	26	*i* 39.33	8	— 4	8	?	5.3
Concord	20.20	33.97	26.71	26.96	26	*h* 48	26	41.67	9	— 6	8	8.00	4.6
Francestown, [Bixby]	22.77	31.07	27.19	27.01	25	48	26	43.33	8	4	31	11.67	4.5
Shelburne	17.39	30.23	23.61	23.74	4	49	4	41.00	23	— 9	31	2.33	5.1
West Enfield	19.13	27.35	21.71	22.73	26	47	26	43.00	23	— 4	8	4.00	5.3
VERMONT—													
Bradford	17.58	28.16	23.10	22.95	4	48	4	40.67	23	— 6	23	*j* 3.33	----
Brandon	20.51	28.63	23.68	24.27	26	47	26	43.67	8	—10	8	0.00	5.8
Burlington	20.21	25.73	23.74	23.23	26	48	26	44.67	22	— 2	22	— 0.33	5.5
Craftsbury	15.26	23.90	18.52	19.23	26	46	26	42.00	23	— 9	31	— 4.00	6.0
Rupert	25.23	31.60	27.81	28.21	4	46	11	42.00	8	— 4	22	9.33	6.0
St. Johnsbury	13.16	24.65	17.00	18.27	4	43	26	37.67	8	—16	8	— 4.00	6.0
MASSACHUSETTS—													
Amherst	24.53	33.86	28.40	28.93	25	51	26	44.30	8	0	8	6.90	4.9
Bridgewater (*k*)	31.90	37.94	33.31	34.38	16	53	16	50.75	9	5	8	11.42	5.2
Cambridge	26.68	36.71	30.94	31.44	26	57	26	49.00	8	4	8	9.00	4.8
Canton	24.84	36.52	29.61	30.32	16	56	16	47.67	8	2	8	7.33	5.2
Florida	------	------	------	------	----	----	----	----	----	----	----	----	6.2
Lawrence	24.69	33.53	28.89	29.04	11	54	26	46.00	9	2	8	7.00	4.1
Mendon	26.38	33.61	28.61	29.53	27	48	26	45.33	8	4	8	8.67	4.2
Nantucket	35.74	40.59	36.85	37.73	16	54	16	50.17	8	18	8	20.50	4.8
New Bedford	30.76	38.58	33.03	34.12	16	54	26	47.80	8	8	8	16.67	5.8
Newburyport (*l*)	28.42	38.75	31.69	32.95	27	57	26	51.50	8	8 *m*	8	11.00	?
Richmond	23.90	32.87	26.71	27.83	26	50	26	47.33	8	— 2	8	5.00	5.7
Westfield	26.26	34.71	28.81	29.93	26	50	4	43.00	8	0	8	10.00	4.8
Williamstown	25.06	31.22	26.70	27.66	26	48	26	44.30	8	— 2	8	4.00	5.8
Worcester	28.33	36.77	30.33	31.91	25	54	25	47.67	8	7	8	10.67	5.0
RHODE ISLAND—													
Providence (*n*)	29.40	38.30	31.70	33.13	26	57	26	49.00	8	6	8	10.67	4.5
CONNECTICUT—													
Columbia	28.16	37.48	28.36	31.33	11	*o* 52	26	47.00	8	0	8	10.00	5.5
New London	30.84	39.65	32.87	34.45	11	52	11	47.00	8	14	31	20.00	5.8
Norwich	27.94	38.65	32.97	33.19	26	56	16	50.00	23	4	8	10.67	3.9

a Register thermometer.
b Same temperature on the 26th.
c Observations taken at sunrise, 2 p. m., and 10 p. m.
d Observations taken at sunrise and sunset.
e Same temperature on the 23d.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 26th and 27th.
h Same temperature on the 27th.
i Same temperature on the 4th.
j Same temperature on the 31st.
k Observations taken at 7 a. m., 2 p. m., and 7 p. m.
l Incomplete.
m Same temperature on the 9th.
n Observations taken at sunrise, 1 p. m., and 10 p. m.
o Same temperature on the 16th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Pomfret	26.67	33.70	28.84	29.74	16	52	26	46.00	8	5	8	10.50	4.8
Saybrook	31.10	37.23	32.81	33.71	11	49	11	46.33	8	10	8	15.33	5.4
Wallingford	27.18	38.39	30.85	32.14	11	52	11	44.33	8	3	8	12.00	4.8
NEW YORK—													
Baldwinsville	27.10	33.23	30.29	30.21	26	48	26	45.67	8	3	8	13.67	6.8
Bellport	32.69	38.71	33.52	34.97	27	50	11	46.33	23	14	8	16.33	4.4
Beverly	29.14	37.38	33.16	33.23	11	55	11	48.33	23	9	8	15.33	5.3
Buffalo (*a*)	32.67	37.26	34.06	34.66	25	55	25	50.33	31	20	31	22.22	6.2
Canton	12.77	28.19	22.10	21.02	11	*b* 52	26	47.00	8	—16	8	5.33	5.7
Cazenovia	24.84	30.74	27.74	27.77	11	48	26	43.33	8	8 *c*	31	11.00	7.0
Clinton	27.48	37.10	27.58	30.72	25	55	25	47.33	8	— 3	8	8.00	6.8
Covert	26.45	34.55	28.77	29.92	4	*d* 48	26	44.33	31	8	31	11.00	7.0
Fishkill Landing	29.84	38.65	32.71	33.73	11	54	11	48.67	23	9	8	15.67	4.9
Flatbush	32.19	40.30	34.99	35.83	11	53	26	48.60	23	17	8	21.70	5.3
Fort Edward	19.35	28.16	23.35	23.62	4	*e* 42	4	40.00	8	—11	22	7.67	5.5
Madrid	18.52	28.17	23.90	23.53	16	48	26	44.57	8	—18	8	?	6.0
Morrisania	32.10	42.48	34.48	36.35	25	59	11	50.33	23	13	8	*c* 21.67	1.9
New York city	35.83	42.35	38.82	38.99	16	59	26	53.70	23	19	8	24.20	4.7
Nichols	26.10	36.68	26.55	29.78	25	54	11	44.01	8	0	8	13.67	6.6
Oswego	26.84	33.03	29.19	29.69	4	49	26	43.67	8	8	8	11.67	7.0
Ovid	29.39	34.48	31.45	31.77	11	54	25	47.33	8	15 *c*	31	17.33	6.6
Pompey	24.27	29.13	26.84	26.75	11	48	11	43.67	8	4 *c*	8	8.67	6.5
Rochester	30.74	35.74	32.08	32.85	25	57	25	51.00	31	16	31	18.17	?6.4
Sag Harbor	33.29	42.78	35.42	37.16	25	58	26	50.33	8	13	8	18.33	5.0
Saratoga	21.13	32.42	24.16	29.23	4	*f* 45	4	40.00	8	—12	8	0.33	4.6
Waterford	23.90	34.71	27.34	28.65	26	49	26	45.00	8	— 7	8	3.33	5.5
Wellsville	26.81	38.29	30.23	31.78	25	62	25	49.67	8	—12 *g*	31	17.67	7.3
NEW JERSEY—													
Bloomfield	32.79	41.47	34.85	36.37	11	57	11	50.83	8	15 *h*	8	20.67	4.5
Burlington	33.84	43.74	36.80	38.13	11	60	11	55.67	8	20 *h*	8	22.67	5.3
Freehold	32.97	43.60	36.63	37.73	11	*f* 59	11	55.67	8	18 *h*	8	22.00	----
Lambertville	30.18	44.22	35.48	36.63	11	60	----	-------	23	12.5	----	-------	----
Newark (*i*)	-------	-------	-------	36.15	26	*b* 54	27	47.38	23	16	8	24.87	----
Sergeantsville	30.08	47.52	36.71	38.10	25	68	26	54.33	23	11	23	26.00	4.6
PENNSYLVANIA—													
Bedford	32.38	42.77	36.50	37.22	26	64	26	55.00	8	16	8	*j* 25.67	6.1
Berwick	31.39	41.29	34.42	35.70	11	58	11	51.00	31	15	8	21.00	4 7
Cannonsburg	35.61	41.71	38.26	38.53	11	61	25	53.33	8	26	30	*c* 29.67	6.9
Chromedale	33.90	42.99	36.53	37.81	11	59	11	54.50	8	19	8	21.50	5.4
Easton	29.42	38.47	32.94	33.61	11	56	11	50.67	23	11	8	19.20	5.7
Fleming	29.48	39.67	32.51	33.89	25	*f* 53	25	*f*43.00	8	10	8	16.67	5.9
Gettysburg	31.58	42.84	32.32	35.58	26	59	26	52.33	8	18	8	24.00	5.5
Harrisburg, [Heisely]	36.00	42.80	39.39	39.40	26	58	26	53.33	23	22	8	28.00	6.0
Harrisburg, [Hickok]	33.37	41.55	36.46	37.13	26	60	26	53.83	23	19	8	25.33	6.1
Lewisburg	29.01	38.85	32.44	33.43	26	55	26	48.47	8	10	8	17.50	6.5
Meadville	24.48	39.45	31.77	31.90	25	63	25	55.33	8	6	8	19.67	6.3
Morrisville	32.19	43.26	35.65	37.03	11	57	26	51.33	23	18	8	23.33	4.1
Mount Joy	33.39	45.48	38.29	39.05	11	61	11	54.00	23	19	8	24.00	4.5
Murrysville	31.19	40.63	33.81	35.21	11	65	11	54.33	8	14	31	22.33	6.8
Norristown	34.22	42.61	36.95	37.93	11	59	26	52.80	23	19	8	22.30	5.5
North Whitehall (*k*)	30.03	40.16	36.45	35.55	11	56	11	47.00	23	12	8	24.00	?
Paradise	-------	-------	-------	28.00	----	-------	----	-------	----	-------	----	-------	----
Philadelphia	36.65	45.44	40.34	40.81	11	61	11	57.33	23	22	8	27.67	5.8
Pittsburg, [Martin]	34.52	41.13	36.81	37.49	11	63	11	53.00	8	21	31	26.00	6.9
Pittsburg, [Wilson]	34.03	41.74	36.00	37.26	11	*l* 62	25	53.67	31	23	----	-------	----
Pocopson	33.03	43.84	36.71	37.86	11	62	11	57.67	8	18	8	23.00	5.8
Pottsville	32.11	41.61	33.87	35.86	4	58	11	48.00	23	15	8	21.67	6.3

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 27th.
c Same temperature on the 31st.
d Same temperature on the 11th.
e Same temperature on the 26th and 27th.
f Same temperature on the 26th.
g Same temperature on the 21st and 31st.
h Same temperature on the 23d.
i Observations taken at 7 a. m. and 6 p. m.
j Same temperature on the 30th.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 25th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
PENNSYLVANIA—Continued.	°	°	°	°		°		°		°		°	
Shamokin	30.43	39.27	36.03	35.24	11	56	11	50.67	21	16 *a*	8	21.67	6.0
Somerset	29.86	39.11	33.00	33.99	25	61	25	51.33	8	9	8	19.67	7.6
Tarentum	32.35	42.71	35.52	36.86	25	68	25	54.33	8	12	8	22.33	6.4
West Haverford	35.52	44.71	-------	40.11	11	60	11	57.00	23	18	8	24.00	5.5
Westtown	32.43	41.00	36.13	36.52	11	59	11	53.90	8	16	8	18.00	5.4
DELAWARE—													
Georgetown (*b*)	39.61	49.35	43.03	44.00	25	67	25	60.67	8	25	8	29.67	....
Milford	34.04	42.71	35.27	37.34	11	58	16	50.67	21	15	8	23.67	3.8
Newark	35.70	47.38	39.21	40.76	11	*c* 60	11	54.00	8	20	31	32.00	5.7
MARYLAND—													
Annapolis	35.60	44.66	41.71	40.66	26	58	26	54.83	21	25	8	28.83	6.0
Baltimore	36.13	44.35	39.97	40.15	26	59	26	53.75	23	24	8	28.50	7.0
Bladensburg	32.67	44.37	34.33	37.12	26	58	26	54.33	8	19 *a*	?	?	7.2
Chestertown	35.16	43.47	38.33	38.95	11	62	11	56.67	8	22	8	25.00	5.5
Frederick	35.48	43.95	38.22	39.22	26	60	26	54.10	23	25	8	28.83	5.3
Leonardtown	39.52	47.94	41.16	42.87	11	63	11	58.67	31	27	8	30.67	5.6
Oakland	30.29	35.19	30.23	31.90	25	60	26	51.67	30	14	30	15.00	....
Sykesville	32.16	44.23	36.35	37.58	11	*d* 60	11	57.67	8	18 *a*	8	25.33	5.3
DISTRICT OF COLUMBIA—													
Washington	36.37	44.79	39.28	40.15	26	60	26	56.33	23	24	9	28.67	7.1
VIRGINIA—													
Alexandria	37.77	47.97	41.94	42.56	26	64	26	61.00	23	26	8	31.00	5.6
Ashland	36.41	48.58	40.00	41.66	11	66	11	58.00	8	24 *e*	31	32.33	5.2
Crichton's Store (*f*)	42.23	50.50	52.29	48.34	11	67	11	65.00	31	30	8	33.67	5.5
Hartwood	37.58	49.32	40.68	42.53	26	64	26	59.00	8	26 *g*	8	29.33	....
Lewisburg	32.03	42.90	35.16	36.36	11	60	26	53.33	21	20	8	*h* 28.00	5.9
Meadow Dale	30.65	41.06	37.81	36.51	26	58	26	54.00	8	15	8	23.67	....
Montross	38.55	47.00	40.42	41.92	11	*d* 64	11	61.00	8	26	24	28.67	5.5
Mossy Creek	30.06	46.42	33.79	36.76	26	62	26	53.67	8	16	8	22.67	5.6
Poplar Grove	38.56	51.81	41.18	43.85	11	71	26	63.00	19	25	31	34.67	6.4
Portsmouth	42.29	53.61	44.97	46.96	26	68	11	64.00	19	30 *i*	8	*h* 35.33	4.0
Rose Hill	40.16	48.55	45.47	44.73	11	62	11	60.67	7	31	31	35.00	6.4
Rougemont (*j*)	35.96	49.05	35.25	40 09	1	64	1	*k* 51.00	8	23	8	28.00	5.4
Ruthven (*l*)	37.68	50.25	40.96	42.96	11	63	?	?	19	25 *h*	?	?	3.4
Salem	------	------	------	------	----	------	----	------	----	------	----	------	5.2
Smithfield	38.90	53.05	45.19	45.71	11	*m* 69	11	64.50	30	25	8	33.33	5.7
Winchester	37.58	45.97	40.94	41.50	26	64	26	58.00	8	28	8	30.67	4.7
Wirt Court-House	34.42	45.23	38.23	39.29	11	66	25	57.67	21	22	30	30.00	6.3
NORTH CAROLINA—													
Ashville	35.31	42.73	39.35	39.13	11	*d* 58	11	53.33	19	26 *n*	30	27.67	....
Chapel Hill	39.19	52.03	42.16	44.46	26	64	26	58.00	8	28	8	33.67	4.8
Davidson College	40.01	53.20	43.80	45.67	27	64	26	58.00	9	31 *o*	9	33.67	5.0
Gaston	38.10	50.74	41.94	43.59	26	64	11	60.00	30	22	8	33.00	....
Marlborough (*p*)	41.68	55.68	46.96	48.11	28	70	17	65.00	21	30	31	39.67	4.4
Murfreesborough	41.63	51.66	45.64	46.31	11	64	11	62.67	30	30	8	33.33	4.3
SOUTH CAROLINA—													
Aiken	43.00	57.56	47.03	49.20	25	66	11	60.00	18	29	8	40.00	4.8
All Saints	47.35	58.19	50.87	52.14	26	69	16	65.00	4	35 *q*	30	42.00	5.2
Charleston, [Dawson]	52.00	59.48	55.87	55.78	....	67	....	------	....	41	....	------	....
Charleston, [Johnson]	52.00	59.48	55.87	55.78	26	*r* 67	11	64.00	30	41	30	47.67	....
GEORGIA—													
Athens	39.55	52.04	45.27	45.62	11	64.5	11	57.47	1	29.5	29	39.83	5.4
Hillsborough	43.33	54.52	48.61	48.82	11	65	11	59.43	30	32	8	40.02	6.1
Savannah	50.10	60.90	55.10	55.37	14	71	11	65.17	30	38	30	45.07	6.0
Sparta	44.23	56.81	49.74	50.26	5	*k* 67	11	61.00	30	32	23	40 00	5.7

a Same temperature on the 23d.
b Observations taken at 8 a. m., and 1 and 6 p. m.
c Same temperature on the 25th and 26th.
d Same temperature on the 26th.
e Same temperature on the 21st.
f Observations taken at 9 a. m., noon, and 4 p. m.
g Same temperature on the 23d and 31st.
h Same temperature on the 30th.
i Same temperature on the 22d.
j Observations interrupted from the 21st to the 28th.
k Same temperature on the 11th.
l Incomplete.
m Same temperature on the 25th.
n Same temperature on the 30th and 31st.
o Same temperature on the 18th.
p For the last 22 days of the month.
q Same temperature on the 20th and 30th.
r Same temperature on the 27th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp.	
GEORGIA—Continued.	°	°	°	°		°		°		°		°	
Whitemarsh Island	49.65	60.26	54.03	54.65	14	70	15	64.00	18	39 *a*	8	44.33	6.0
Zebulon	49.07	57.24	54.54	53.62	26	74	26	66.00	16	38 *a*	30	43.33	5.7
FLORIDA—													
Alachua County	53.03	67.13	57.79	59.32	13	79	11	70.33	18	36	18	47.67	3.6
Alligator	51.78	65.29	57.10	58.06	27	78	14	73.00	30	38	30	46.00	5.9
Atsena	57.23	64.87	61.61	61.24	12	*b* 72	15	70.00	18	44	30	50.33	4.9
Belair	52.45	66.13	58.07	58.88	27	80	13	69.00	18	37	31	50.00	5.1
Hibernia	53.97	67.74	57.84	59.85	11	*c* 79	11	71.33	18	39	30	48.33	----
Jacksonville	55.16	65.77	57.42	59.45	14	77	15	70.67	18	38	30	43.67	5.1
St. Augustine	62.10	67.94	61.77	63.94	13	80	11	74.00	30	48	30	51.67	5.1
Salt Ponds	71.32	77.06	-------	74.19	2	*d* 83	11	80.00	30	63	30	64.00	3.1
Warrington	50.77	68.71	50.23	56.57	13	79	14	69.67	21	40 *e*	21	47.00	3.6
ALABAMA—													
Auburn	46.32	57.55	51.23	51.70	15	68	15	*f* 60.67	18	33	31	40.67	5.6
Carlowville	49.81	60.87	53.48	54.72	15	77	4	66.67	17	37	18	44.33	5.6
Greene Springs	44.63	56.92	48.77	50.11	25	68	25	65.00	18	31	18	*g* 41.33	5.7
Greensborough	44.23	58.50	49.13	50.62	25	68	25	61.83	18	32 *h*	30	42.60	5.5
MISSISSIPPI—													
Columbus	43.57	55.22	48.47	49.09	25	62	25	59.63	18	32	29	41.30	5.0
LOUISIANA—													
Black River	48.52	61.48	53.87	54.62	1	72	24	66.33	17	36	31	46.67	6.7
New Orleans (*i*)	57.74	64.45	65.10	62.45	14	79	14	75.69	17	46 *h*	17	51.33	----
TEXAS—													
Austin, [Van Nostrand]	46.78	60.31	52.57	53.22	24	72	23	65.83	16	33	16	41.00	6.5
Austin, [Swante Palm]	47.52	60.23	51.97	53.24	27	71	23	65.00	16	37	2	*j* 41.33	4.6
Goliad	52 90	60.82	57.42	57.05	14	*k* 72	24	68.33	3	40 *l*	3	41.33	7.2
Larissa (*m*)	47.50	60.61	51.82	53.31	12	70	24	61.33	16	31	16	44.00	5.3
Union Hill	49.65	60.26	54.87	54.93	10	*n* 71	10	*k* 65.00	3	35 *o*	3	39.33	6.7
Washington	49.33	63.50	52.48	55.10	12	74	23	67.33	16	40 *p*	3	46.00	6.3
TENNESSEE—													
Glenwood	38.93	50.45	42.88	44.08	21	62	25	57.55	18	28	30	34.90	5.8
Memphis, [Tuck]	42.52	53.10	46.77	47.46	21	*q* 62	25	55.33	3	33 *a*	3	39.33	5.0
KENTUCKY—													
Bardstown	36.39	47.73	40.55	41.56	22	61	25	58.00	19	23	17	*r* 32.33	6.2
Danville	39.55	51.84	42.19	44.53	10	63	10	57.00	17	26	17	35.67	5.3
Paris	36.32	45.03	39.57	40.31	25	58	25	55.00	3	25	7	*s* 33.00	6.4
Springdale (*t*)	35 47	46.89	43.16	41.84	22	62	25	55.83	3	21	29	33.00	6.2
OHIO—													
Bellefontaine	34.11	42.87	35.21	37.40	25	57	25	54.33	8	19	30	29.00	6.1
Bowling Green (*u*)	32.55	41.60	34.81	36.32	25	60	25	54.83	8	16	8	25.00	----
Cincinnati, [Harper]	38.77	46.94	40.90	42.20	23	61	25	58.00	3	28	7	35.33	5.9
Cincinnati, [Hurtt]	35.26	45.38	38.71	39.78	25	58	25	55.00	3	19	8	31.33	?5.1
Cleveland	32.68	39.76	34.24	35.56	25	61	25	55.67	8	18	31	23.00	6.7
Cleveland, [ncar]	-------	-------	-------	40.00	----	------	----	-------	----	-------	----	-------	----
Collingwood	33.68	39.45	34.94	36.02	4	*f* 56	25	55.00	20	21	30	*v* 26.00	----
Edinburg	30.16	39.26	32.77	34.06	25	62	25	56.67	8	13	31	22.67	6.2
Hillsborough	35.26	41.19	37.92	38.12	25	58	25	53.67	8	23	31	29.00	6.0
Hiram	31.84	38.61	33.26	34.57	25	59	25	53.33	8	16	8	23.67	6.9
Jackson, Jackson county	35.39	48.81	40.65	41.62	25	63	25	*w* 56.67	3	21	8	30.33	6.0
Jackson, Monroe county	34.95	45.20	37.57	39.24	25	62	25	53.67	8	23	8	29.17	6.1
Jefferson	32.23	37.87	32.23	34.11	13	*f* 60	25	52.67	8	20 *v*	31	22.67	8.3
Madison, [Atkins]	32.72	39.38	33.10	35.07	13	62	25	54.67	31	18	31	22.33	6.0
Madison, [Cunningham]	31.61	38.87	30.90	33.79	25	60	11	47.33	31	16	31	21.33	6.7

a Same temperature on the 30th.
b Same temperature on the 15th.
c Same temperature on the 13th, 14th, and 15th.
d Same temperature on the 5th, 10th, 11th, 12th, 13th, and 14th.
e Same temperature on the 22d and 25th.
f Same temperature on the 25th.
g Same temperature on the 19th.
h Same temperature on the 20th.
i Observations taken at 9 a. m., noon, and 3 p. m.
j Same temperature on the 3d and 7th.
k Same temperature on the 23d.
l Same temperature on the 5th.
m For the last 23 days of the month.
n Same temperature on the 12th.
o Same temperature on the 16th.
p Same temperature on the 21st.
q Same temperature on the 22d.
r Same temperature on the 18th and 29th.
s Same temperature on the 17th.
t Observations taken at 7 a. m., 2 p. m., and 5 p. m.
u Observations taken at sunrise, 2 p. m., and 9 p. m.
v Same temperature on the 31st.
w Same temperature on the 26th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued													
Medina	33.61	39.58	33.90	35.70	25	59	25	50.50	8	17	31	23.00	?5.5
Mount Union	35.22	-------	37.56	36.39	25	60	25	57.00	8	18	8	25.00	6.3
New Lisbon	36.83	47.25	38.29	40.79	26	69	25	59.67	8	20	8	28.33	4.2
Northwood	34.08	41.75	35.12	36.98	25	56	25	53.67	8	20	8	25.33?	?6.5
Perrysburg (*a*)	35.94	43.42	36.16	38.51	25	65	25	60.33	2	*b* 24	31	27.00	----
Portsmouth (*c*)	38.77	47.10	41.84	42.57	11	62	25	*d* 57.67	4	25	19	33.33	7.0
Ripley (*e*)	35.90	42.55	39.34	39.26	11	*f* 55	25	51.00?	8	25	8	29.00?	7.0
Savannah	31.68	41.10	32.58	35.12	25	60	25	54.00	8	17	8	24.00	6.7
Urbana	31.93	42.68	35.06	36.56	25	60	25	54.33	20	18	7	26.33	6.6
Welchfield	30.48	38.48	31.64	33.53	25	60	25	54.00	8	13	8	21.00	5.0
Westerville	33.74	43.10	35.68	37.51	25	58	25	54.67	20	15	20	27.17	6.7
Windham	31.97	40.58	34.35	35.63	25	57	25	52.67	8	16	8	25.67	----
MICHIGAN—													
Battle Creek	30.23	39.35	32.52	34.03	23	57	25	53.67	8	10	8	23.67	5.1
Cooper	31.48	38.78	32.58	34.28	25	56	25	52.00	8	16	27	25.33	2.5
Grand Rapids, [Currier]	28.50	35.84	30.58	31.64	25	56	25	53.33	8	5	7	*g* 21.67	4.9
Grand Rapids, [Streng]	26.48	37.51	30.40	31.46	25	56	25	52.67	8	2	2	18.33	5.6
Marquette	23.39	30.13	23.97	25.83	25	45	24	41.13	7	— 3	7	8.50	6.4
Monroe	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.2
New Buffalo (*a*)	30.60	40.36	32.40	34.45	25	58	25	54.67	8	13	7	23.67?	6.8
Port Huron	26.51	34.42	29.22	30.05	25	57	25	52.33	8	4	30	19.00	5.9
INDIANA—													
Evansville	37.55	50.32	40.45	42.77	9	64	25	55.00	7	*h* 28	7	32.00	4.8
Logansport (*i*)	32.00	43.00	36.00	37.00	----	58	----	-------	----	20	----	-------	----
Madison	35.73	41.98	37.42	38.38	25	56	25	53.33	3	25	8	30.67	5.9
Michigan City	30.55	40.51	32.05	34.37	25	58	25	52.00	2	14	2	23.00	5.7
New Harmony	36.78	46.00	39.58	40.79	22	59	25	55.00	3	23	6	31.00	5.8
Richmond, [Moore]	34.40	41.77	37.45	37.87	25	56	25	53.80	3	23	7	28.30	5.9
ILLINOIS—													
Athens	23.39	43.71	33.77	35.62	22	61	25	52.33	7	13	7	20.67	5.0
Augusta	30.00	42.38	35.61	36.00	22	60	25	50.33	7	11	7	20.00	3.9
Aurora	29.97	40.45	33.00	34.47	25	59	25	52.67	7	14	7	18.67	5.3
Batavia	26.16	41.00	29.48	32.21	22	61	25	50.67	2	8	7	17.33	5.4
Brighton	31.00	41.58	37.45	36.68	23	65	23	61.00	30	19	28	21.33	4.3
Edgar County (*j*)	33.42	-------	-------	33.42	----	-------	----	-------	----	-------	----	-------	----
Edgington	27.74	40.42	30.23	32.80	22	59	25	49.33	7	*k* 10	7	18.00	5.1
Elgin	26.45	38.16	30.10	31.57	25	58	25	51.33	2	*l* 8	7	12.33	5.7
Fremont Centre	28.74	38.48	31.93	33.05	23	50	24	44.67	1	10	7	19.33	5.1
Manchester (*a*)	31.00	43.45	34.03	36.16	22	59	25	50.33	7	14	7	21.33	5.0
Marengo	29.61	38.97	30.68	33.09	25	54	25	49.33	7	10	7	17.33	5.1
Ottawa	29.80	39.71	33.96	34.49	25	57	25	51.67	2	10	7	20.33	4.7
Pekin	28.52	40.48	33.29	34.10	25	59	25	53.33	7	*k* 10	7	18.00	4.2
Peoria	30.03	42.16	34.73	35.64	22	*f* 59	25	54.87	7	13	7	20.75	4.8
Riley	26.51	37.42	28.45	30.79	25	56	25	50.67	2	0	2	13.33	4.7
South Pass	35.48	49.93	39.87	41.76	20	*m* 64	24	53.33	3	22	7	33.67	5.8
Warsaw	25.81	40.65	30.87	32.44	22	64	22	46.33	7	— 2	7	9.33	5.5
Waynesville (*n*)	28.78	-------	37.88	33.33	25	57	25	55.50	7	*k* 12	7	18.50	----
West Salem	34.84	47.26	39.29	40.46	22	64	25	57.00	3	21	7	27.00	5.6
West Urbana	31.52	41.03	35.72	36.09	25	59	25	53.00	7	16	7	22.00	5.8
Wheaton	28.57	38.62	31.92	33.04	25	58	25	50.90	2	10	7	17.30	6.2
Winnebago	27.00	38.90	31.50	32.47	25	58	25	50.33	7	9	7	14.33	5.5
MISSOURI—													
Cape Girardeau (*o*)	37.35	48.89	41.79	42.68	21	61	25	49.00	3	21	3	21.00	5.2
St. Joseph's (*p*)	30.16	43.72	34.20	36.03	22	57	24	52.62	7	11	7	18.50	5.5

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 31st.
c Observations taken at 7 a. m., ½ p. m., and 9 p. m.
d Same temperature on the 26th.
e Only 9 observations at 2 p. m.
f Same temperature on the 25th.
g Same temperature on the 8th.
h Same temperature on the 18th and 19th.
i Observations taken at sunrise, noon, and sunset.
j Observations taken at sunrise.
k Same temperature on the 18th.
l Same temperature on the 7th.
m Same temperature on the 21st.
n Observations taken at sunrise and sunset.
o Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 39.50.
p Observations taken at sunrise, 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 33.16.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MISSOURI—Continued.													
St. Louis	35.30	46.60	39.50	40.47	21	*a* 62	25	53.33	7	24	7	27.17	5.4
Springfield (*b*)	33.45	46.84	37.50	39.26	20	62	23	52.67	3	22 *c*	7	30.00	7.1
WISCONSIN—													
Appleton	24.08	33.94	29.53	29.18	23	*d* 49	25	45.00	8	— 7	7	14.00	5.8
Bay City	16.84	27.10	21.39	32.78	23	48	23	42.67	8	— 8	7	— 2.00	6.0
Beloit	27.70	37.45	31.45	32.20	25	56	25	50.33	1	7	7	15.00	4.4
East Danemord (*e*)	18.43	33.37	26.21	26.00	4	50	25	42.67	7	— 4 *f*	7	3.67	----
Janesville	28.97	38.71	31.84	33.17	25	58	25	50.33	1	10 *g*	7	17.33	6.0
Kenosha	29.73	37.14	32.48	33.12	25	52	25	47.00	7	12	7	17.67	5.6
Madison, [Sterling]	27.00	35.00	30.00	30.67	25	54	24	55.67	7	9	7	13.00	5.8
Manitowoc	27.36	37.06	31.94	32.12	4	48	25	44.67	8	5 *h*	7	15.33	6.0
Menasha	22.48	33.23	24.61	26.77	4	48	25	41.00	8	—12	6	6.67	5.6
Milwaukee, [Lapham]	-------	-------	-------	26.39	25	40	----	-------	8	8	----	-------	----
Milwaukee, [Pomeroy]	28.00	35.19	29.16	30.78	25	48	25	41.33	8	8	7	13.67	6.7
Milwaukee, [Winkler]	27.74	35.06	29.90	30.90	23	52	23	43.67	1	8	8	14.33	4.7
New London	20.35	30.51	23.80	24.89	23	46	25	40.00	8	12	7	2.33	5.8
Platteville	25.90	35.97	29.55	30.47	25	55	25	47.67	7	4	7	13.33	5.3
Racine	29.77	35.52	32.37	32.55	4	45	25	42.00	1	14	7	18.62	5.1
St. Croix	16.32	27.20	21.29	21.60	3	45	25	40.33	7	—18	7	— 5.33	6.7
Waukesha	28.13	36.58	31.29	32.00	22	51	25	46.67	6	10 *i*	7	13.67	5.7
IOWA—													
Bellevue	25.51	38.26	29.32	31.03	25	54	25	46.67	1	8 *h*	7	13.33	5.8
Border Plains	24.03	36.16	27.39	29.19	27	52	24	45.33	16	— 8	16	13.00	4.8
Camanche	27.71	39.29	30.42	32.47	25	52	25	46.67	7	8	7	18.00	5.2
Dubuque	26.19	36.61	30.42	31.07	25	51	25	45.00	7	8	7	14.33	4.7
Fairfield	28.59	42.01	32.86	34.79	22	59	24	48.00	7	8	7	15.00	5.0
Fort Madison (*j*)	29.32	39.48	34.83	34.54	25	57	25	50.00	7	11	7	18.00	4.3
Franklin	23.97	36.06	27.74	29.26	22	*k* 51	25	47.00	18	— 2	18	11.33	4.2
Iowa City	26.65	37.71	30.48	31.61	25	50	24	*d* 44.67	18	7	18	18.67	4.7
Muscatine	24.74	36.26	28.35	29.78	25	52	24	*d* 46.00	7	8 *l*	7	17.67	2.5
Pleasant Plain	27.22	40.51	31.55	33.09	22	58	24	48.00	7	9	7	16.33	4.2
Rossville	21.89	33.05	26.13	27.02	3	44	25	41.90	18	— 1.5	7	9.03	5.0
Sioux City	21.93	34.55	26.11	27.53	3	51	24	45.33	7	0	7	10.50	4.3
MINNESOTA—													
Buchanan (*m*)	16.00	29.81	20.55	22.12	4	47	23	*n* 37.50	7	—16	7	1.50	----
Burlington	16.52	28.71	24.55	23.26	4	46	4	38.33	7	—11	7	1.67	----
Hazlewood	16.03	27.41	20.90	21.45	23	*n* 45	23	42.33	7	—12	15	0.00	4.0
Lapham (*o*)	11.10	23.93	15.81	16.95	23	42	23	39.00	9	—12	15	— 4.00	----
Princeton	14.35	27.77	18.23	20.12	3	41	23	39.33	7	—24	7	—10.00	5.1
Wabashaw	15.00	28.97	20.77	21.58	4	*d* 44	24	40.33	18	—21	7	—10.00	4.5
NEBRASKA—													
Bellevue	27.35	39.60	31.10	32.68	3	*p* 53	24	49.33	7	8	7	16.67	3.7
Omaha	-------	-------	-------	-------	----	------	---	-------	----	-------	----	-------	3.2
KANSAS—													
Council City	28.61	44.97	33.52	35.70	21	60	24	52.67	7	14	7	19.33	3.5
Lawrence	30.87	47.87	37.10	38.61	21	60	24	52.00	7	17	7	29.67	3.3
Leavenworth City, [McCarty]	31.65	43.29	34.81	36.58	22	60	24	52.33	7	14	7	21.33	4.4
Manhattan	-------	-------	-------	38.31	---	------	---	-------	---	-------	---	-------	----
Mapleton	32.42	48.52	35.71	38.88	21	65	24	52.33	16	20	2	28.67	3.7
Topeka (*q*)	31.80	47.53	35.40	38.24	21	*n* 56	24	53.00	30	18	30	29.00	3.3
DACOTAH—													
Fort Union	10.20	25.00	16.70	17.30	3	42	3	36.30	15	—12	12	— 4.70	----
OREGON—													
Fort Thompson	7.56	16.39	8.06	10.67	4	38	11	28.33	7	—18	7	— 6.33	----

a Same temperature on the 22d.
b Observations taken at sunrise, 3 p. m., and 9 p. m.
c Same temperature on the 28th.
d Same temperature on the 25th.
e Observations taken at 6 a. m., noon, and 6 p. m.
f Same temperature on the 19th.
g Same temperature on the 2d.
h Same temperature on the 7th.
i Same temperature on the 7th and 8th.
j Observations taken at 6 a. m., noon, and 7 p. m.
k Same temperature on the 27th.
l Same temperature on the 18th.
m Observations taken at 7 a. m., noon, 3 p. m., and 9 p. m. Mean at 3 p. m., 27.84.
n Same temperature on the 24th.
o Observations taken at 7 a. m., 2 p. m., and 5 p. m.
p Same temperature on the 21st.
q For the last 15 days of the month.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MEXICO—	°	°	°	°		°		°		°		°	
Cordova (*a*)	64.87	68.29	65.41	66.65	15	*b* 73.40	----	-------	21	*c* 62.15	----	-------	----
Mirador (*d*)	60.44	68.23	61.41	63.36	10	75.56	10	67.75	18	52.86	17	57.07	----
Vera Cruz (*e*)	72.23	-------	72.40	72.31	----	------	----	-------	----	-------	----	-------	----
CALIFORNIA—													
Sacramento	41.42	48.39	45.29	45.03	1	57	21	50.33	7	33	7	39.33	6.0
San Francisco	45.74	53.03	49.26	49.34	1	63	1	58.67	7	*f* 40	14	44.67	4.1
Marysville	41.74	50.90	45.05	45.90	2	60	14	50.00	6	31	6	39.67	5.8
WEST INDIES—													
Centre Signal Station (*g*)	-------	-------	-------	67.00	----	------	----	-------	----	-------	----	-------	----
Nassau, Bahamas	-------	-------	-------	76.30	----	------	1	*h* 80.50	----	-------	21	70.00	----
St. George's, Bermuda (*i*)	-------	-------	-------	64.18	----	------	----	-------	----	-------	----	-------	----
CENTRAL AMERICA—													
Guatemala (*j*)	52.88	71.06	57.92	62.89	?	86.4	----	-------	?	48.0	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*k*)	74.90	83.80	78.80	79.17	24	87	11	81.00	3	*l* 73	27	75.67	?

a Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 67.25, at 6 p. m., 67.43.
b Same temperature on the 10th.
c Same temperature on the 1st.
d Observations taken at 7 a. m., 2 p. m., and 8 p. m.
e Observations taken at 7 a. m. to 9 a. m., and at 9 p. m. to 11 p. m.
f Same temperature on the 14th.
g Observations taken at noon, for 17 days only.
h Same temperature on the 2d, 3d, 4th and 15th.
i Observations taken at 9.30 a. m. and 3.30 p. m.
j Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean at 9 a. m., 62.60; mean at noon, 69.98.
k Observations taken at 6 a. m., 2 p. m., and 6 p. m.
l Same temperature on the 10th, 15th, 23d, 25th, and 28th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Fort Simpson (*a*)	------	------	------	—8.53	24	30	24	18.50	19	—38	20	—30.50	----
Hamilton (*b*)	19.32	------	20.64	19.98	27	42	27	41.00	17	— 4	17	1.50	----
Montreal	5.77	14.47	12.11	10.78	27	39	28	33.30	11	—17	10	— 6.67	5.3
Moose Factory (*c*)	------	------	------	—10.90	----	------	----	------	----	------	----	------	----
Red River Settlement	—6.86	3.18	7.04?	1.13	26	40	----	?	15	—35	15	—25.33	?4.3
Rigolet (*d*)	2.14	------	5.96	4.05	28	30	28	26.50	10	—22	10	—18.00	----
St. John's	18.96	23.89	18.54	20.46	3	36	3	31.67	12	3	12	6.33	----
St. Martin	—2.30	16.60	7.23	7.18	26	59	28	32.80	13	—30	13	—16.20	4.4
Stanbridge	3.25	26.71	9.46	13.14	28	42	28	37.33	13	—27	13	—13.67	5.4
Toronto (*e*)	13.42	20.92	16.54	16.96	27	41	27	38.07	17	— 7	17	1.60	6.9
Windsor	12.10	21.70	16.20	16.67	28	43	28	36.20	11	— 6	11	4.00	5.5
Wolfville	13.07	21.26	17.21	17.18	28	42	28	37.67	11	— 7.5	11	2.00	3.7
MAINE—													
Cornish, [Guptill]	10.36	21.35	14.50	15.40	28	48	28	37.33	12	— 7	11	— 3.33	3.3
Cornish, [West]	7.07	19.57	12.46	13.03	28	46	28	36.67	12	—13	11	— 4.67	3.3
East Exeter	3.18	21.36	13.46	12.67	28	52	28	33.33	24	—20	23	— 8.33	4.6
Gardiner	8.50	22.32	15.24	15.35	28	46	28	36.33	23	—12	11	— 0.67	4.3
Monson	------	------	------	------	----	------	----	------	----	------	----	------	4.6
Perry	10.86	21.50	16.82	16.39	28	44	28	35.00	12	— 3	11	1.33	2.8
Portland	12.54	24.05	19.15	18.58	28	42	27	37.33	12	— 6	11	2.33	4.6
Steuben	11.07	21.96	15.96	16.33	28	41	28	36.00	12	—10	11	— 1.00	4.3
NEW HAMPSHIRE—													
Concord	10.11	28.50	18.89	19.17	28	56	28	40.67	12	—18	12	3.00	4.5
Francestown, [Bixby]	14.23	23.37	17.21	18.27	28	49	28	39.67	12	— 7.5	11	3.33	4.8
Shelburne	6.61	24.93	14.39	15.31	28	45	28	35.00	24	—12	11	— 3.33	4.9
West Enfield	8.61	19.46	13.29	13.79	28	45	27	37.00	13	—10	11	— 4.33	4.8
VERMONT—													
Bradford	6.36	21.68	13.07	13.70	28	50	28	40.33	12	*f*—23	12	— 9.00	----
Brandon	9.24	22.10	15.20	15.51	28	49	28	39.33	16	—13	13	— 3.33	5.6
Burlington	8.16	17.30	13.25	12.90	28	44	28	38.33	12	*g*—14	13	— 9.33	4.3
Craftsbury	4.57	17.50	10.50	10.86	28	47	28	40.00	12	—18	11	—10.00	5.2
Rupert	15.29	25.64	22.29	21.07	28	58	28	49.33	23	— 4	13	6.00	6.0
St. Johnsbury	2.57	18.96	9.68	10.40	28	51	28	40.00	12	—31	12	—12.67	5.2
MASSACHUSETTS—													
Amherst	15.27	26.36	20.14	20.59	28	47	28	38.50	24	— 5	11	5.70	4.6
Bridgewater (*h*)	19.56	29.45	24.01	24.37	28	47	28	41.50	24	— 2	11	10.50	4.6
Cambridge	17.57	28.14	21.75	22.49	28	47	28	41.00	19	1	11	7.67	4.1
Florida	------	------	------	------	----	------	----	------	----	------	----	------	6.4
Lawrence	16.04	27.36	20.36	21.25	28	55	28	43.00	12	— 2	11	6.00	4.6
Mendon	18.50	27.03	20.36	21.96	28	40	28	38.67	23	2	11	7.00	3.2
Nantucket	26.55	33.32	28.82	29.56	2	49	2	45.17	17	11	11	17.83	4.4
New Bedford	20.80	30.43	23.70	24.98	2	*i* 45	2	41.70	19	3.5	11	10.50	5.4
Newburyport	17.90	27.82	23.53	23.08	28	50	28	42.90	19	1.5	10	8.00	?
Richmond	12.64	24.36	17.86	18.29	28	42	28	36.00	24	— 7	11	0.67	4.8
Westfield	16.00	26.43	20.79	21.07	28	46	28	38.00	24	— 3	12	7.00	5.1
Williamstown	12.69	21.99	17.83	17.50	28	45	28	38.80	24	— 8.5	24	------	5.8
Worcester (*j*)	18.78	28.85	21.64	23.09	3	*k* 41	3	37.67	12	*l* 5	11	10.67	4.8
RHODE ISLAND—													
Providence (*m*)	20.10	30.30	23.10	24.50	28	47	2	42.00	23	3	23	11.33	4.0
CONNECTICUT—													
Columbia	17.61	30.28	20.04	22.64	28	49	28	40.33	24	— 1	11	8.33	5.2
New London	20.36	30.00	23.89	24.75	28	46	28	40.33	24	7	11	*n* 13.67	4.5
Norwich	17.50	29.54	23.29	23.44	28	48	2	41.00	24	—10	11	*n* 8.67	3.8
Pomfret	16 49	25.89	20.17	20.85	28	44	28	36.90	23	3	11	6.00	4.7
Saybrook	22.21	29.61	24.29	25.37	3	44	28	37.67	17	6	17	12 67	4.7
Wallingford	17.3*j*	29.11	22.27	22.92	30	47	28	39.00	24	— 2	11	10.50	4.2

a Register thermometer.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken at sunrise, 2 and 10 p. m.
d Observations taken at sunrise and sunset.
e Observations taken at 6 a. m., 2 and 10 p. m.
f Same temperature on the 19th.
g Same temperature on the 13th.
h Observations taken at 7 a. m., 2 and 7 p. m.
i Same temperature on the 28th.
j Incomplete.
k Same temperature on the 25th.
l Same temperature on the 17th.
m Observations taken at sunrise, 1 and 10 p. m.
n Same temperature on the 23d.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—	°	°	°	°		°		°		°		°	
Bellport	24.39	28.68	24.20	25.76	28	45	28	41.00	23	8	11	11.67	4.3
Buffalo (*a*)	20.53	23.82	21.54	21.96	27	40	27	37.00	11	4	11	*b* 9.33	7.4
Canton	7.18	19.79	12.50	13.16	27	46	27	37.67	10	—22	11	—10.00	5.7
Clinton	14.11	25.86	17.50	19.16	27	47	28	38.67	19	—12	18	4.33	7.1
Fishkill	18.54	31.04	22.93	24.17	28	45	28	38.67	24	— 4	23	8.67	4.6
Flatbush	22.34	30.84	25.50	26.23	9	43	2	39.30	23	10	19	13.80	5.3
Fort Edward	8.68	23.39	16.64	16.24	28	45	28	37.33	12	—18	14	— 2.67	5.7
Nichols	16.21	26.00	18.29	20.17	28	50	28	40.67	24	—13	11	4.33	7.1
Rochester	17.85	25.75	21.07	21.56	27	48	27	41.00	19	2	11	8.33	8.4
Sag Harbor	24.32	34.32	26.51	28.38	28	53	2	44.00	23	6	11	16.00	4.8
Waterford	12.64	26.34	18.84	19.27	28	44	28	40.34	23	—13	23	2.00	5.6
Wellsville	16.39	28.50	20.61	21.83	27	54	27	43.00	24	— 4	17	2.67	8.5
NEW JERSEY—													
Bloomfield	20.71	31.39	24.21	25.44	9	46	2	39.67	23	4	17	12.17	4.0
Burlington	21.97	30.72	27.36	26.68	28	51	9	40.67	24	— 3	23	*c* 15.00	5.3
Freehold	22.20	33.12	27.09	27.47	27	*d* 50	28	43.00	24	3	17	13.17	----
Lambertville	17.99	34.33	25.01	25.78	28	53	----	-------	24	— 8.7	----	----------	----
Newark (*e*)	-------	-------	-------	26.47	9	46	3	39.00	24	— 0.5	24	15.00	----
Sergeantsville	19.36	34.64	25.04	26.35	28	55	9	40.00	24	— 3	17	12.67	4.3
PENNSYLVANIA—													
Bedford	17.36	29.08	22.16	22.87	28	50	28	35.00	24	— 4	17	7.33	5.2
Berwick	18.96	32.36	24.17	25.16	28	50	28	39.67	24	— 2	17	10.67	5.0
Cannonsburg	22.14	30.42	27.53	26.70	27	50	27	41.33	23	*c* 0	23	12.67	7.3
Chromedale	20.40	30.26	25.41	25.36	28	*f* 48	2	40.40	24	— 6	23	10.00	5.0
Easton	18.17	28.66	23.23	23.35	28	44½	28	36.83	24	— 5	19	10.00	5.9
Fleming	18.00	31.17	23.52	24.23	27	51	28	37.00	24	— 6	11	10.00	5.9
Gettysburg	18.61	33.32	23.75	25.23	28	51	28	38.33	24	— 8	24	11.33	5.0
Harrisburg, [Heisely]	24.39	33.04	29.79	29.07	9	47	9	40.00	23	4	23	17.67	5.2
Harrisburg, [Hickok]	21.36	31.00	27.70	26.69	28	44	9	38.17	25	2	17	13.33	6.0
Lewisburg	17.49	30.14	23.71	23.78	28	48	28	38.57	24	— 6	17	9.53	6.9
Meadville	15.43	27.71	18.86	20.67	27	52	27	39.33	23	— 8	17	1.67	7.1
Morrisville	19.25	33.54	24.71	25.83	28	51	28	38.00	24	— 2	19	11.67	4.2
Mount Joy	20.37	34.95	26.59	27.30	27	51	28	40.33	24	— 7.5	24	12.00	4.4
Murrysville	18.25	30.12	21.57	23.31	27	47	28	39.33	22	—14	22	1.67	6.6
Norristown	19.00	30.80	24.30	24.70	9	47	9	39.80	24	—10	24	8.80	4.8
North Whitehall (*g*)	18.68	30.68	27.96	25.77	28	46	28	39.00	25	— 5	18	11.00	4.2
Paradise	-------	-------	-------	30.00	----	----	----	----	----	----	----	----	----
Philadelphia	24.84	34.95	30.52	30.10	28	51	28	44.00	17	11	17	17.20	5.6
Pittsburg	20.75	30.17	23.50	26.47	27	45	9	*d*36.33	23	— 2	23	9.67	6.8
Pittsburg, [Wilson]	20.57	29.00	25.64	25.07	27	48	27	41.33	23	— 2	11	8.67	----
Pocopson	18.59	33.43	25.54	25.85	9	*d* 48	2	39.67	24	— 9	23	10 33	5.7
Reading	22.03	31.75	27.16	26.98	9	*d* 43	9	37.83	24	1	17	14.67	5.2
Shamokin	17.25	27.82	24.71	23.26	28	50	28	43.00	25	— 8	11	7.33	5.3
Somerset	18.57	29.25	21.54	23.12	27	49	28	40.33	11	— 1	11	8.00	7.4
Tarentum	19.50	32.93	24.52	25.65	27	54	27	38.67	23	— 5 *c*	17	9.67	6.5
West Haverford	24.11	33.75	-------	27.93	28	57	2	46.00	17	8	17	*h* 13.00	5.5
Westtown	19.61	31.59	24.82	25.34	2	*i* 47	2	40.50	24	— 8	24	11.00	5.4
DELAWARE—													
Georgetown (*j*)	28.61	37.54	34.77	33.65	28	61	28	52.67	17	14	17	19.00	----
Milford	28.68	38.82	32.36	33.29	9	*d* 56	9	46.67	24	15	23	20.33	4.0
Newark	23.56	39.16	28.88	30.53	28	60	----	?	24	2	23	17.33	5.3
MARYLAND—													
Annapolis	25.60	35.70	32.90	31.40	28	49	28	43.83	21	12	17	20.67	4.5
Baltimore	25.79	34.85	30.77	30.47	28	50	28	42.33	24	5	24	11.50	6.7
Bladensburg	21.58	34.61	27.33	27.84	28	54	28	43.67	24	5	----	?	5.5
Chestertown	24.21	33.17	28.59	28.66	28	54	28	45.33	24	7	17	14.83	5.5
Frederick	23.87	33.80	28.30	28.66	28	47	9	39.67	24	5	24	16.83	5.3

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 17th.
c Same temperature on the 24th.
d Same temperature on the 28th.
e Observations taken at 7 a. m. and 6 p. m.
f Same temperature on the 9th.
g Observations taken at sunrise, noon, and sunset.
h Same temperature on the 19th.
i Same temperature on the 9th and 28th.
j Obse. vations taken at 8 a. m., 1 p. m , and 6 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Oakland	14.85	25.07	17.89	19.27	27	49	9	36.00	23	—19	11	3.67	....
Sykesville	19.71	35.57	27.11	27.46	28	54	28	44.00	24	0	17	11.67	4.5
DISTRICT OF COLUMBIA—													
Washington	25.86	35.93	31.25	31.01	28	53	28	45.67	24	13	17	19.00	5.3
VIRGINIA—													
Alexandria	27.07	38.82	32.43	32.77	28	59	28	48.33	24	12	17	19.33	4.6
Crichton's Store (*a*)	33.08	39.44	43.76	38.76	27	54	....	?	11	*b* 22	23	29.33	5.7
Hartwood	25.89	38.68	31.61	32.06	28	60	28	51.67	24	10	23	19.00	....
Lewisburg	21.54	35.68	27.54	28.25	27	52	10	37.00	6	*c* 6	11	16.00	6.0
Meadow Dale	20.21	34.85	28.64	27.90	27	53	28	44.00	23	1	11	13.67	....
Montross	27.43	38.11	32.11	32.55	28	60	28	48.67	11	*d* 16	23	21.00	5.1
Mossy Creek	19.07	38.93	24.10	27.37	28	63	28	45.33	21	— 2	23	14.33	4.5
Poplar Grove	24.29	41.29	31.82	32.47	27	66	10	49.00	23	4	23	18.67	6.6
Portsmouth	34.00	45.14	37.96	39.03	28	64	28	53.00	11	*e* 24	23	28.00	4.7
Rose Hill	31.61	38.65	35.26	35.17	28	61	28	53.50	23	21	23	24.17	6.1
Rougemont	25.61	40.86	30.61	32.36	28	63	28	51.33	23	11	23	17.33	5.9
Ruthven	28.50	39.26	33.36	33.71	27	*f* 54	....	?	6	19	23	24.00	3.6
Salem	37.09	41.85	41.85	36.93	28	55	28	50.67	11	24	11	28.00	5.7
Smithfield	29.85	44.73	38.37	37.65	28	65	28	54.80	16	20	16	26.60	5.6
Winchester	26.36	36.07	30.79	31.07	28	52	28	44.67	24	12	17	18.67	4.7
Wirt Court-House	21.57	34.25	26.79	27.54	27	55	27	37.67	23	— 6	23	11.00	6.1
NORTH CAROLINA—													
Ashville	28.31	38.73	34.15	33.73	19	50	19	45.00	6	12	20	23.67	....
Chapel Hill	31.14	43.68	35.54	36.79	28	60	28	51.00	11	*g* 22	23	26.33	6.0
Davidson College	32.23	42.44	37.50	37.39	28	58	28	54.83	11	21	13	26.63	5.4
Gaston	29.36	42.14	33.86	35.12	28	64	28	48.67	23	19	23	22.33	....
Marlborough	35.11	46.14	41.62	40.96	27	61	20	53.67	23	26	23	28.33	6.0
Murfreesborough	33.41	42.92	38.62	38.32	28	62	28	51.67	23	25	23	27.00	4.9
SOUTH CAROLINA—													
Aiken	38.39	51.55	43.36	44.43	16	*d* 66	28	56.33	24	26	24	29.00	5.3
All Saints	40.50	51.07	45.11	45.56	22	71	22	62.00	23	32	23	34.00	4.6
Charleston, [Dawson]	41.46	52.82	46.13	46.80	....	64	....	.....	....	35	....	.....	....
Charleston, [Johnson]	45.04	52.82	49.71	49.19	22	65	22	61.00	23	35	23	36.33	....
St. John's	34.69	61.96	40.04	45.56	16	78	19	55.67	15	*h* 24	....	?	5.0
GEORGIA—													
Athens	30.92	49.82	41.88	40.87	17	64	29	53.50	12	24	12	31.90	5.4
Hillsborough	37.70	51.50	44.20	44.47	20	66	29	56.67	12	26	25	32.73	5.6
Savannah	43.80	56.60	50.10	50.17	22	74	22	63.57	15	*i* 35	24	36.40	4.9
Sparta	38.36	53.50	44.79	45.55	17	68	1	55.00	6	28	24	33.00	5.1
Whitemarsh Island	44.29	55.44	48.46	49.40	17	*j* 69	22	62.33	15	34	24	36.33	4.7
Zebulon	43.53	52.33	47.90	47.92	21	68	21	62.83	24	30	5	31.50	4.6
FLORIDA—													
Alachua County	50.39	66.27	55.78	57.48	22	76	13	67.00	6	34	....	?	3.8
Alligator	47.11	65.11	53.39	55.20	12	82	12	68.00	27	30	24	39.67	4.6
Atsena	54.79	62.00	59.50	58.76	23	71	22	67.00	6	43	25	50.33	4.5
Belair	47.86	65.36	55.57	56.26	22	79	22	67.67	7	35	24	41.67	4.2
Jacksonville	52.98	64.71	54.68	57.46	22	77	22	68.67	6	38	24	42.33	4.4
St. Augustine	58.07	66.11	58.71	60.96	13	82	22	71.67	24	45	24	47.67	4.3
Salt Ponds	69.61	73.79	.....	71.70	13	83	13	79.00	27	59	27	61.00	4.9
ALABAMA—													
Carlowville	42.64	53.82	46.39	47.62	21	69	17	59.00	23	25	5	28.67	4.6
Greensborough	38.32	54.18	44.11	45.54	21	*h* 70	21	61.17	23	22	22	*g* 31.50	4.5
Greene Springs	37.50	52.11	41.62	43.74	21	71	21	62.33	23	22	22	31.00	4.5
MISSISSIPPI—													
Columbus	36.80	50.19	42.26	43.08	21	69	27	57.03	23	19	22	26.70	4.5
Paulding	42.62	57.07	49.20	49.63	27	*d* 76	21	66.60	23	22	22	32.33	4 8

a Observations taken at 8 a. m., noon, and 5 p. m.
b Same temperature on the 23d and 24th.
c Same temperature on the 11th and 24th.
d Same temperature on the 21st.
e Same temperature on the 20th.
f Same temperature on the 28th.
g Same temperature on the 23d.
h Same temperature on the 27th.
i Same temperature on the 24th.
j Same temperature on the 22d.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
LOUISIANA—	°	°	°	°		°		°		°		°	
Black River	41.57	59.96	50.11	50.55	21	79	21	70.33	23	25	22	33.00	4.6
New Orleans (*a*)	52.53	60.68	62.50	58.57	21	80	12	75.33	23	34	23	39.33	....
Trinity	45.00	60.33	54.15	53.16	21	78	21	71.67	23	28	22	36.33	4.0
TEXAS—													
Austin, [Swante Palm]	44.89	61.07	48.39	51.45	26	84	26	69.33	22	*b* 28	22	35.67	3.4
Austin, [Van Nostrand]	42.39	59.95	49.50	50.61	26	82	20	68.08	23	26	27	35.50	4.5
Goliad	47.23	62.11	54.41	54.58	26	78	20	69.33	23	30	22	39.50	4.6
Larissa	40.61	56.67	45.86	47.71	26	77	26	63.33	23	21	22	31.33	4.1
Union Hill	44.96	55.64	51.04	50.55	26	72	19	*c* 63.33	23	26	22	34.00	4.9
Washington	42.67	61.87	47.50	50.68	26	80	20	66.33	23	24	22	34.33	4.0
TENNESSEE—													
Glenwood	28.67	40.36	33.33	34.12	27	68	27	55.73	23	8	22	15.60	5.9
Memphis	34.50	44.46	39.18	39.38	27	68	27	59.67	23	16	22	22.33	4.9
KENTUCKY—													
Bardstown	22.75	34.33	29.37	28.82	9	*c* 57	....	?	23	—10	23	8.67	6.3
Danville	27.29	41.43	31.75	33.49	9	64	27	49.67	23	— 5	23	11.33	5.2
Millersburg	25.93	32.75	30.70	29.79	10	54	28	49.00	24	— 4	24	1.33	4.6
Paris	24.36	33.71	27.31	28.46	9	*c* 53	27	45.00	23	—11	23	6.00	6.2
Springdale	22.50	36.77	31.46	30.24	27	62	27	51.17	23	—10	23	12.17	5.5
OHIO—													
Bellefontaine	18.25	33.85	23.98	25.36	27	54	27	43.20	23	— 8	10	8.33	5.9
Bowling Green (*d*)	16.00	29.62	22.30	22.64	27	53	27	44.33	11	— 8	....	?	....
Cincinnati, [Harper]	24.93	36.25	30.25	30.48	27	63	27	50.00	23	1	10	16.67	5.5
Cincinnati, [Hurtt]	22.70	34.30	27.11	28.04	27	59	27	44.33	23	— 6	23	10.00	5.6
Cleveland	18.45	27.75	21.86	22.69	27	51	27	43.33	23	— 8.5	11	8.50	?8.4
Cleveland, (near)	.....	.....	.....	28.00	....	....	....	....	....	.....	....	.....	....
Collingwood	17.07	25.93	22.14	21.71	27	50	27	43.67	11	— 6	10	5.67	....
Edinburgh	17.11	28.86	20.36	22.11	8	41	27	34.00	23	—12	23	4.67	6.6
Hillsborough	21.45	28.66	26.05	25.39	27	49	27	43.70	11	2	11	11.80	5.3
Hiram	18.14	27.07	23.91	23.04	27	49	27	40.67	11	— 5	11	6.00	7.2
Jackson, Jackson county	23.86	37.18	28.29	29.78	27	66	27	43.33	23	— 8	23	9.00	5.4
Jackson, Monroe county	22.25	33.79	26.82	27.62	27	55	27	37.67	23	1.5	23	12.83	6.1
Jefferson	17.46	24.64	22.21	21.44	27	52	27	40.67	23	—10	23	4.67	8.7
Madison, [Atkins]	17.32	27.32	19.96	21.53	27	52	27	42.33	23	— 6	11	*b* 6.33	6.9
Madison, [King]	18.11	29.83	18.52	22.15	27	54	27	44.00	23	—12	23	4.00	7.1
Medina	17.14	26.39	20.59	21.37	27	48	27	40.67	22	—10	22	3.50	6.3
Mount Union	20.89	.....	24.20	22.54	28	44	27	*e* 38.00	11	— 2 *b*	23	4.50	6.2
New Lisbon	23.17	36.31	27.42	28.97	27	58	27	44.00	23	—12	23	9.33	5.4
Northwood	15.31	29.64	19.96	21.64	27	48	?	?	23	— 9	22	4.67	?
Perrysburg (*f*)	18.18	31.54	23.25	24.32	27	60	27	47.67	11	— 5	22	8.33	....
Portsmouth (*g*)	24.93	35.21	30.68	30.27	27	61	27	47.67	23	— 1	23	12.67	6.4
Ripley	24.01	.....	28.71	26.37	28	47	27	42.33	23	— 1	....	?	6.0
Savannah	15.32	27.89	19.14	20.78	27	53	27	42.33	23	—14	22	2.00	7.0
Urbana	16.31	30.57	21.00	22.63	27	54	27	40.67	23	—12	22	4.33	5.9
Welchfield	16.57	29.92	18.91	21.80	27	53	27	41.33	11	— 6	11	4.33	6.3
Westerville	17.54	29.50	23.71	23.58	27	52	27	39.67	23	—10	23	6.67	6.1
Windham	19.32	30.39	21.89	23.87	27	44	27	37.67	23	—12	11	9.33	....
MICHIGAN—													
Battle Creek	15.50	28.00	19.46	20.99	27	51	27	40.33	22	—15	10	4.33	7.1
Cooper	19.64	26.71	19.93	22.09	27	*e* 44	27	41.33	10	— 4	10	— 4.00	6.0
Grand Rapids, [Currier]	13.18	24.88	19.21	19.09	26	44	27	38.33	22	—11	10	3.33	6.8
Grand Rapids, [Streng]	11.18	25.93	19.14	18.75	27	48	27	41.00	22	—16	22	2.67	7.3
Marquette	9.35	19.26	9.97	12.86	26	49	26	39.40	11	—12	10	— 7.83	5.8
New Buffalo	17.15	26.85?	18.39	20.80	2	44	27	36.00?	11	—14	10	— 0.67	7.4
Port Huron	11.82	26.14	18.11	18.69	27	49	27	41.00	11	—13	11	0.67	6.6
INDIANA—													
Evansville	28.00	36.15	30.17	31.44	27	52	27	47.00	11	8	11	15.33	5.2
Logansport (*h*)	16.00	30.00	24.00	23.00	....	55	....	.....	....	—10	....	.....	....

a Observations taken at 9 a. m., noon, and 3 p. m.
b Same temperature on the 23d.
c Same temperature on the 27th.
d Observations taken at sunrise, 2 p. m., and 9 p. m.
e Same temperature on the 28th.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Observations taken at 7 a. m., ½ p. m., and 9 p. m.
h Observations taken at sunrise, noon, and sunset.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—Continued.	°	°	°	°		°		°		°		°	
Madison	22.86	30.89	26.00	26.58	27	50	27	41.00	23	2	22	11.33	6.1
Michigan City	15.21	28.61	17.57	20.46	28	46	27	39.16	11	—17	10	— 1.83	6.7
New Harmony	24.57	34.68	28.14	29.13	27	60	27	49.67	23	2	10	13.00	6.0
Richmond, [Moore]	17.72	30.09	24.80	24.20	27	53	27	43.13	23	— 8	10	8.30	5.6
ILLINOIS—													
Athens	14.75	28.75	17.93	20.48	26	52	26	39.67	23	—17	10	— 8.33	5.7
Augusta	12.03	24.89	18.53	18.48	26	48	26	41.33	11	—23	10	—11.00	4.7
Aurora	12.29	24.61	17.79	18.23	27	41	27	36.00	11	—15	10	— 6.67	5.3
Batavia	6.71	26.10	13.21	15.34	26	41	27	33.00	23	—23	10	—11.67	5.2
Brighton	17.93	27.07	24.14	23.05	24	44	22	a36.67	15	0	15	6.33	6.1
Edgar County (*b*)	17.25	-------	-------	17.25	----	-------	----	-------	----	-------	----	-------	----
Edgington	12.64	24.43	17.00	18.02	26	*c* 43	26	37.00	10	—17	10	—10.67	5.7
Elgin	6.39	21.71	12.86	13.65	26	*c* 40	27	37.00	23	—26	10	—12.00	5.6
Evanston	13.96	24.11	16.18	18.08	27	40	27	34.67	11	—19	10	— 7.67	6.4
Fremont Centre	12.68	26.14	16.71	18.51	25	45	27	37.67	11	—20	10	— 7.67	5.3
Hillsborough	21.45	28.66	23.05	25.39	27	49	27	43.70	11	2.5	11	11.80	5.3
Jacksonville (*d*)	17.25	31.07	24.45	24.26	27	58	27	45.00	10	— 8	10	— 4.00	----
Manchester (*e*)	16.18	31.36	18.71	22.08	26	*c* 49	26	38.33	10	—11	10	— 5.67	6.0
Marengo	12.14	25.89	17.00	18.34	27	46	27	40.67	11	—14 *a*	11	— 9.33	5.4
Ottawa	13.25	23.21	18.00	18.15	27	42	27	38.00	23	—12	10	— 9.67	5.0
Pekin	10.61	25.79	16.47	17.62	24	*f* 44	27	35.00	11	—16	10	— 7.00	5.1
Peoria	13.07	27.13	18.66	19.62	26	*c* 47	26	36.88	11	—15	10	— 8.50	5.5
Riley	8.14	22.89	13.07	14.70	26	*c* 36	27	34.67	23	—22	10	—13.33	4.3
South Pass	23.93	37.93	29.46	30.44	27	69	27	53.33	23	— 3	22	13.00	5.6
Warsaw	14.46	29.71	19.93	21.37	26	54	26	42.67	11	—15	10	— 3.67	----
Waynesville (*g*)	11.36	23.36	20.61	18.44	27	44	27	38.00	23	—18	10	—10.00	5.1
West Salem	21.96	35.50	26.00	27.82	27	64	27	48.67	23	— 1	10	—10.00	6.0
West Urbana	15.46	26.29	19.82	20.52	27	46	27	37.67	23	—11	10	— 5.00	6.2
Wheaton	9.80	21.60	15.20	15.53	27	39	27	36.20	11	—22	10	—11.59	6.0
Winnebago	9.26	24.25	15.24	16.25	25	44	27	35.33	10	—14	10	— 8.83	5.0
MISSOURI—													
St Louis	22.40	32.40	26.70	27.17	27	55	27	44.67	23	0	10	6.33	6.0
Springfield (*h*)	24.96	38.60	30.03	31.20	27	66	8	50.00	23	— 9	22	7.00	6.7
WISCONSIN—													
Appleton	10.11	22.94	17.91	16.99	26	44	27	38.83	10	—13	10	— 7.00	4.6
Bay City	3.25	16.67	8.79	9.37	26	54	26	44.00	10	—24	10	—14.00	4.4
Beloit	9.25	24.82	16.21	16.76	26	42	27	35.00	22	—16	10	— 8.33	4.3
Janesville	12.54	25.68	18.75	18.99	26	45	27	37.00	11	—12	10	— 4.67	5.8
Kenosha	13.98	23.26	18.39	18.54	26	39	----	?	11	—14	10	— 7.33	4.7
Lind	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.0
Madison, [Sterling]	11.96	21.08	15.57	16.20	26	39	26	36.33	10	—13	10	— 6.33	5.1
Manitowoc	13.07	26.71	20.72	20.17	26	48	27	41.67	10	—11	10	— 4.00	5.8
Menasha	8.54	23.68	11.29	14.50	26	45	27	37.33	10	—15	10	—10.33	4.7
Milwaukee, [Lapham]	-------	-------	-------	-------	----	-------	----	-------	10	—11	----	-------	----
Milwaukee, [Pomeroy]	12.21	25.14	16.39	17.91	26	43	27	35.67	10	—12 *i*	10	0.33	6.9
Milwaukee, [Winkler]	11.54	23.16	15.79	16.83	26	42	27	37.33	10	—14	9	— 9.00	5.0
New Danemora (*j*)	5.07	23.30	14.55	14.31	26	50	26	37.50	22	—23	10	— 8.33	----
New London	6.96	21.75	13.93	14.21	26	45	26	*c* 35.33	11	—24	11	—13.00	4.6
Platteville	9.39	23.14	14.11	15.55	26	50	26	39.00	10	—19	10	—11.67	4.6
Racine	14.80	24.34	17.98	19.04	2	40	25	35.33	11	10	10	— 4.33	5.9
St. Croix	2.17	20.06	10.79	11.01	26	45	----	?	10	—23 *k*	----	?	?
IOWA—													
Bellevue	10.71	24.60	15.89	17.07	27	46	27	36.00	23	—12	10	— 8.33	4.6
Border Plains	10.64	23.25	13.25	15.71	24	46	25	35.67 *f*	22	—14	15	— 3.00	4.6
Camanche	11.96	24.57	16.07	17.53	26	46	27	36.00	10	—15	22	— 7.00	4.1
Dubuque	11.54	22.50	16.54	16.86	26	49	26	40.00	10	—14	10	— 8.00	4.3
Fairfield	12.39	24.63	15.96	17.66	26	52	26	40.67	22	—15	10	— 7.67	6.0

a Same temperature on the 24th.
b Observation taken at sunrise.
c Same temperature on the 27th.
d Observations taken at sunrise, 1 p. m., and sunset.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
Same temperature on the 26th.
f Same temperature on the 28th.
g Observations taken at sunrise, noon, and sunset.
h Observations taken at sunrise, 3 p. m., and 9 p. m.
i Same temperature on the 11th.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Same temperature on the 22d.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
Iowa—Continued.													
Fort Madison (*a*)	12.46	23.82	18.93	18.40	26	46	26	39.00	10	—16	10	—10.00	5.3
Franklin	11.68	24.54	14.89	17.04	26	55	26	40.00	10	—16	10	— 6.33	4.7
Iowa City	12.00	24.39	16.57	17.65	26	50	26	36.67	10	—13	10	— 9.67	5.4
Muscatine	10.89	22.11	15.18	16.06	26	46	26	36.33	10	—22	10	—15.00	2.0
Pleasant Plain	11.35	26.57	16.46	18.13	26	50	26	39.33	10	—16	10	—10.00	5.0
Poultney	7.68	23.46	12.85	14.66	26	49	26	36.00	10	—22	10	—12.67	5.5
Rossville	8.80	21.21	13.18	14.40	26	47	26	36.83	10	—17	10	— 6.93	5.0
Sioux City	9.75	19.18	11.77	13.57	26	52	26	39.67	10	—20	10	— 8.00	5.2
Minnesota—													
Buchanan (*b*)	0.71	23.82	6.96	10.50	24	60	26	44.00	10	—33	10	—11.50	....
Burlington	4.50	19.04	12.32	11.95	26	56	26	39.00	10	—26	10	—13.67	....
Hazlewood	5.46	17.80	10.72	11.33	26	50	26	39.33	9	—18	9	— 7.67	4.6
Lapham	1.65	9.62	3.85	5.04	26	42	26	33.67	22	—24	15	—17.67	....
Princeton	3.21	19.11	8.57	10.30	26	54	26	40.67	22	—26	10	—11.00	3.6
Wabashaw	5.18	19.36	9.32	11.29	26	50	26	39.33	10	—25	10	—13.00	3.5
Nebraska—													
Bellevue	13.00	23.73	15.13	17.29	26	60	26	44.33	10	—18	10	— 5.33	?
Omaha	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.4
Kansas—													
Burlingame	18.57	32.39	23.93	24.96	26	68	26	48.00	22	— 3	10	8.00	5.6
Lawrence	20.68	33.29	25.71	26.56	26	64	26	51.33	15	— 2	15	6.33	4.9
Leavenworth City, [McCarty]	19.39	30.64	23.14	24.39	26	65	26	47.00	10	— 3 *c*	10	5.00	6.3
Manhattan	18.43	36.39	23.57	26.13	26	71	26	50.33	10	— 1 *d*	13	13.00	4.7
Topeka	17.39	31.32	22.71	23.81	26	64	26	49.33	10	— 6	15	3.09	5.1
Mexico—													
Cordova (*e*)	63.77	66.90	64.06	65.16	12	74.84	....	.....	23	57.20	....	.....	....
Mirador (*f*)	62.39	68.49	61.07	63.98	28	80.96	12	71.53	23	49.64	23	50.72	....
Vera Cruz (*g*)	72.14	.....	70.18	71.16	....	.....	....	.....	....	.....	....	.....	....
California—													
Marysville	47.50	62.26	53.95	54.57	28	73	28	61.67	9	*h* 37	8	*h* 47.00	3.8
Sacramento	47.25	56.25	53.21	52.24	26	*i* 64	26	59.00	10	36	11	43.33	3.5
San Francisco	50.54	61.03	53.00	54.86	26	71	26	62.00	10	42	8	47.67	3.5
West Indies—													
Central Signal Station (*j*)	.....	.....	.....	67.33	....	.....	....	.....	....	.....	....	.....	....
Nassau, Bahamas (*k*)	.....	.....	.....	74.64	....	.....	5	80.50	....	.....	26	68.50	....
St. George's, Bermuda (*l*)	.....	.....	.....	64.02	....	.....	....	.....	....	.....	....	.....	....
Central America—													
Guatemala (*m*)	52.88	74.84	59.54	65.55	?	84.7	....	.....	?	45.5	....	.....	....
South America—													
Catharina Sophia, Surinam (*n*)	74.60	85.00	79.40	79.67	25	*i* 87	19	*o* 81.00	3	70	3	*p* 78.00	4.4

a Observations taken at 6 a. m., noon, and 7 p. m.
b Observations taken at 7 a. m., noon, 3 p. m., and 9 p. m. Mean at noon, 22.50.
c Same temperature on the 15th.
d Same temperature on the 22d.
e Observations taken at 9 a. m., 12 m, 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 65.57; at 6 p. m., 65.52.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m.
g Observations taken at 7 a. m. to 9 a. m., and at 9 p. m. to 11 p. m.
h Same temperature on the 10th.
i Same temperature on the 27th.
j Observations taken at noon for the first 21 days only.
k Mean obtained from daily maximum and minimum.
l Observations taken at 3½ and 9½ a. m., and 3½ and 9 p. m.
m Observations taken at 6 a. m., 9 a. m., noon, 3 p. m, and 9 p. m. Mean at 9 a. m, 66.20; mean at noon, 74.30.
n Observations taken at 6 a. m., 2 p. m., and 6 p. m.
o Same temperature on the 20th.
p Same temperature on the 5th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	.....	.....	.....	9.27	15	*b* 35	29	28.50	5	—18	3	—22.00	....
Hamilton (*c*)	31.93	.....	32.42	32.15	17	*d* 55	17	55.00	5	4	5	5.50	....
Montreal	21.22	31.42	25.47	26.04	17	53	17	46.06	4	— 8	4	1.83	5.1
Moose Factory (*e*)	.....	.....	.....	6.80	.....	.....	.....	.....	.....	.....	.....	.....	....
Red River Settlement	23.35	32.74	24.70	26.93	14	56	14	43.33	1	—19	1	—13.33	5.5
Rigolet (*f*)	20.45	.....	23 06	21.75	22	38	26	33.50	15	—11	15	— 6.00	....
St. John's	31.35	31.00	28.84	31.40	30	44	30	40.67	14	17	14	*g* 19.67	....
St. Martin	15.05	33.56	22.21	23.61	31	62	31	44.00	4	—22	3	— 3.00	4.0
Stanbridge	19.58	30.61	22.68	24.29	17	56	17	46.33	4	—22	4	27.00	5.1
Toronto (*h*)	24.09	33.54	27.19	28.27	17	54	17	46.70	5	— 5	5	2.12	5.0
Windsor	26.87	34.31	29.75	30.31	2	52	2	44.60	14	3	13	17.70	7.3
Wolfville	27.62	36.10	29.16	30.96	2	55	2	43.40	14	9	13	18.77	6.7
MAINE—													
Cornish, [Guptill]	23.61	33.90	25.71	27.74	29	*i* 51	18	45.33	4	*j* 1	4	8.00	4.5
Cornish, [West]	21.81	32.52	24.87	26.40	17	*k* 50	17	*l* 45.00	4	*j* —4	4	5.00	4.0
Gardiner	22.00	34.24	27.32	27.85	18	55	18	43.67	6	—10	6	6.00	4.9
Monson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.2
Perry	24.19	36.06	27.81	29.35	18	52	18	42.67	14	8	7	17.67	5.4
Portland	24.61	35.82	28.27	29.57	29	*m* 50	18	44.67	6	3	6	12.50	5.0
Steuben	23.84	33.77	27.29	28.30	28	*n* 49	28	41.00	3	*o* 9	7	13.67	4.9
NEW HAMPSHIRE—													
Concord, [Colby]	25.63	45.42	36.18	35.74	30	60	27	*n* 47.00	4	— 5	6	19.33	4.1
Concord, [Sawyer] (*p*)	24.55	39.59	29.92	31.35	28	*q* 26	18	46.67	4	— 6	5	7.33	3.1
Francestown, [Bixby] (*r*)	27.53	32.77	24.62	28.31	17	54	?	?	4	*j* 0	5	5.33	4.8
North Barnstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.5
Shelburne	19.52	36.22	25.81	27.18	31	57	31	44.67	4	— 4	5	5.33	4.9
West Enfield	18.65	31.61	23.90	24.72	17	58	17	50.67	5	—18	5	— 4.00	4.7
VERMONT—													
Bradford	18.30	35.35	24.52	26.06	31	59	18	46.00	4	—21	4	— 2.67	....
Brandon	21.60	33.11	25.85	26.85	17	58	17	49.00	4	— 8	4	1.00	5.1
Burlington	20.86	30.95	26.61	26.14	17	53	17	49.67	4	—13	4	— 1.66	4.9
Craftsbury	18.74	29.10	22.81	23.55	17	55	17	48.00	5	— 6	5	— 1.00	5.2
Rupert	24.00	38.84	34.45	32.43	17	66	17	56.67	4	— 6	4	5.33	4.8
St. Johnsbury	17.48	31.77	21.87	23.71	31	52	18	40.33	4	—27	4	— 4.67	5.3
MASSACHUSETTS—													
Amherst	25.75	38.16	30.01	31.31	31	58	18	45.80	4	— 8	5	6.10	4.1
Bridgewater (*s*)	27.45	39.42	32.58	33.15	18	61	18	50.57	4	4	5	9.00	4.2
Cambridge	25.77	39.00	30.58	31.78	17	65	17	51.33	4	*t* 0	5	6.33	3.8
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.6
Lawrence	24.51	37.32	29.35	30.39	17	59	18	49.67	4	0	5	7.33	4.3
Mendon	30.77	39.25	29.58	33.20	17	*i* 56	19	50.00	3	*u* 0	4	9 33	4.0
Nantucket	32.77	39.58	33.58	35.31	18	52	18	47.33	6	14	5	16.83	3.7
New Bedford	29.09	39.26	31.00	33.12	18	57	18	50.00	5	*j* 3	5	8.20	4.5
Newburyport	28.44	39.48	30.42	32.78	16	59	?	?	5	3	....	?	?
Richmond	24.90	36.45	30 65	30.67	16	64	17	53.67	5	— 6	5	0.00	4.1
Westfield	27.19	37.87	31.00	32 02	29	56	18	50.67	4	— 2	5	6.33	5.0
Williamstown	23.27	34.54	28.13	28.65	17	59	17	51.60	4	—10	4	2.30	5.1
Worcester	27.35	40.43	30.28	32.69	17	64	?	?	4	*v* 3	5	7.67	5.1
RHODE ISLAND—													
Providence (*w*)	27.50	40.30	30.60	32.80	18	60	18	51.00	4	2	5	10.00	3.7
CONNECTICUT—													
Columbia	26.71	40.58	28.48	31.92	18	63	18	51.67	4	— 6	4	5.33	4.2
Pomfret	25.78	37.75	28.61	30.71	17	58	18	49.50	4	1	?	?	3.9
Saybrook	28.97	36.55	31.52	32.35	31	52	18	44.33	4	7	5	8.67	3.6

a Register thermometer.
b Same temperature on the 27th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 21st.
e Observations taken at sunrise, 2 p. m., and 10 p. m.
f Observations at sunrise and sunset.
g Same temperature on the 20th.
h Observations taken at 6 a. m , 2 p. m., and 10 p m.
i Same temperature on the 31st.
j Same temperature on the 6th.
k Same temperature on the 29th and 31st.
l Same temperature on the 18th.
m Same temperature on the 30th.
n Same temperature on the 29th.
o Same temperature on the 7th, 8th, and 14th.
p Observations interrupted from the 10th to the 16th.
q Same temperature on the 29th, 30th, and 31st.
r Incomplete.
s Observations taken at 7 a. m , 2 p. m., and 7 p. m.
t Same temperature on the 5th and 6th.
u Same temperature on the 4th.
v Same temperature on the 5th.
w Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Wallingford	25.74	41.23	30.29	32.42	18	65	18	53.83	4	—4.5	5	6.50	3.5
NEW YORK—													
Bellport	31.56	37.68	31.74	33.66	18	62	18	56.67	4	*a* 6	5	8.67	2.6
Buffalo (*b*)	30.11	34.60	30.68	31.80	17	*c* 58	17	51.33	5	7	5	8.33	4.7
Canton (*d*)	16.20	30.46	23 05	23.24	31	54	31	42.33	5	—10	5	— 1.67	4.7
Clinton	26.26	38.32	29.23	31.27	17	64	17	56.67	5	— 6	5	2.33	5.8
Fishkill Landing	29.03	42.77	33.84	35.21	18	61	18	53.00	5	5	5	9.67	3.9
Flatbush	31.27	42.00	34.60	35.96	18	63	18	59.10	5	7	5	9.40	4.4
Fort Edward	24.00	36.10	29.23	29.78	31	57	18	48.00	4	*a*— 5	4	4.00	5.1
Nichols	26.29	41.87	28.68	32.28	17	75	17	58.00	5	— 3	5	3.00	5.4
Rochester	29.08	38.06	32.31	33.15	17	*e* 61	17	58.00	5	2	5	6.80	4.2
Sag Harbor	30.74	44.35	33.61	36.23	18	66	18	54.00	4	3	5	10.67	4.1
Waterford	27.22	40.98	30.64	32.95	17	63	17	53.83	4	— 3	4	7.67	4.5
Wellsville	27.39	39.23	30.32	32.31	17	67	17	53.67	4	— 7	4	1.67	5.9
NEW JERSEY—													
Bloomfield	31.65	42.92	34.29	36.29	17	*f* 60	18	55.50	5	6	5	8.33	3.6
Freehold	29.71	45.69	34.65	36.68	17	71	17	54.50	5	*g* 7	5	8.67	....
Lumbertville	29.26	46.62	35.08	36.99	16	68	....	... ...	16	— 0.7	....	.....	....
Newark (*h*)	.....	.....	.....	36.80	18	64	18	56.50	6	6.5	5	10.88	....
Sergeantsville	29.03	56.16	35.94	40.38	17	*i* 81	17	63.67	5	6	5	10.33	2.7
PENNSYLVANIA—													
Bedford	26.99	47.26	36.11	36.79	16	76	17	59.00	5	0	5	6.33	3.6
Berwick	30.48	45.51	35.80	37.26	17	73	17	60.00	5	2	5	5.33	3.3
Byberry	30.24	45.39	34.58	33.40	16	71	18	57.00	5	6	5	9.33	3.9
Cannonsburg	31.38	44.94	38.77	38.36	18	*j* 66	18	57.00	5	*g* 4	5	13.00	5.3
Chromedale	31.16	45.50	36.37	37.68	16	67	18	58.40	5	8	5	11.80	3.9
Easton	28.15	41.89	33.31	34.45	16	66	17	51.67	5	2	5	6.20	4.5
Fleming	27.06	46.10	32.64	35.27	16	*k* 70	17	55.33	4	*a* 2	5	7.67	4.4
Gettysburg	30.66	48.19	36.68	38.31	17	79	17	63.33	5	0	5	8.00	4.0
Harrisburg, [Heisely]	35.06	47.58	42.03	41.56	18	66	17	56.67	5	*g* 11	5	16.00	4.3
Harrisburg, [Hickok]	31.45	45.06	38.21	38.24	16	69	17	57.33	5	6	5	11.17	4.6
Indiana	26.90	43.22	32.54	34.22	17	71	17	60.00	5	— 8	5	0.67	4.3
Lewisburg	28.50	44.25	35.43	36.06	17	68	17	56.33	5	4	5	8.10	5.2
Meadville	24.06	42.45	29.23	31.91	16	*l* 65	17	54.67	5	—20	5	— 3.00	5.2
Morrisville	29.84	45.90	34.48	36.74	16	69	18	57.33	6	4	5	11.00	2.6
Mount Joy	31.32	50.10	38.65	40.02	17	78	17	62.50	5	4.5	5	9.67	2.4
Murrysville	26.77	44.87	32.87	34.84	17	70	17	55.33	5	*g*— 6	5	3.00	5.4
Norristown	31.80	44.28	35.74	37.27	16	*i* 66	18	59.00	5	6	5	10.00	3.4
North Whitehall (*m*)	29.33	43.42	39.55	37.43	16	66	18	54.67	5	4	5	8.00	3.9
Paradise	.....	.....	.....	35.00	....	.....	....	.....	.....	.....	.....	.....	....
Philadelphia	34.11	47.71	40.19	40.67	17	*n* 70	18	60.00	5	*g* 10	5	14.33	4.2
Pittsburg, [Martin]	30.03	43.77	37.00	36.93	17	66	17	53.33	5	3	5	9.00	5.4
Pittsburg, [Wilson]	31.06	43.42	35.84	36.77	17	71	16	58.00	5	0	5	6.33	....
Pocopson	30.87	46.29	36.61	37.92	16	68	18	57.67	5	6	5	10.67	4.4
Reading	30.48	44.11	36.56	37.05	17	64	18	53.67	5	7	5	11.16	3.9
Shamokin (*o*)	26.87	42.57	38.37	35 94	17	72	17	60.33	3	— 5	5	8.33	4.3
Somerset	26.81	42.39	33.16	34.12	17	68	17	59.33	5	*g*— 2	5	2.33	6.3
Tarentum	28.26	46.32	34.61	36.40	17	72	17	56.33	5	— 1	5	7.00	4.7
West Haverford	32.58	46.00	.....	39.29	16	72	16	61.00	5	5	5	11.50	4.1
Westtown	30.68	44.24	35.48	36.80	16	66	18	56.33	5	*g* 5	5	8.83	4.3
DELAWARE—													
Georgetown (*p*)	37.33	50.53	47.33	45.06	16	75	17	66.67	5	11	5	16.33	....
Milford (*q*)	37.21?	46.09?	35.54?	46.28	15	72	?	?	5	15	5	17.67	?2.7
MARYLAND—													
Annapolis	33.98	47.60	39.50	40.36	18	71	18	61.16	5	*g* 9	5	16.00	3.6

a Same temperature on the 5th.
b Observations taken at 8 a. m., 2 p. m., and 9 p m.
c Same temperature on the 20th.
d Observations interrupted from the 16th to the 25th.
e Same temperature on the 31st.
f Same temperature on the 25th.
g Same temperature on the 6th.
h Observations taken at 7 a. m. and 6 p. m.
i Same temperature on the 19th.
j Same temperature on the 28th.
k Same temperature on the 17th.
l Same temperature on the 17th, 20th, and 27th.
m Observations taken at sunrise, noon, and sunset.
n Same temperature on the 18th.
o Mean of observations taken in the night, 21.10.
p Observations taken at 8 a. m., 1 p. m., and 6 p. m.
q Incomplete.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Baltimore	34.99	47.50	42.41	41.63	15	70	18	60.83	5	10	5	15.08	5.3
Bladensburg	32.64	49.69	36.70	39.68	15	76	?	?	5	*a* 7.5	?	?	4.3
Chestertown	34.64	48.38	39.62	40.88	16	75	16	61.00	5	8	5	13.00	4.3
Frederick	34.14	47.50	39.33	40.32	16	70	17	62.67	5	8.5	5	14.17	3.8
Oakland	25.39	40.45	29.26	31.70	17	71	17	56.67	5	—11	5	— 1.67	....
Sykesville	32.10	48.19	39.71	40.00	17	71	17	60.33	5	2	5	9.67	3.2
DISTRICT OF COLUMBIA—													
Washington	35.09	48.48	42.19	41.92	16	70	18	61.33	5	9	5	14.33	3.9
VIRGINIA—													
Alexandria	35.87	51.48	43.61	43.65	15	74	17	64.33	5	10	5	15.67	3.5
Crichton's Store (*b*)	43.03	54.24	53.47	50.25	16	77	16	*c* 69.33	5	17	5	24.33	4.6
Hartwood	37.48	51.55	41.87	43.63	16	78	16	65.67	5	10	5	15.33	....
Lewisburg	28.90	45.52	35.81	36.74	27	68	27	57.33	7	2	2	12.67	4.4
Meadow Dale	26.87	43.39	38.10	36.21	16	69	16	57.00	6	— 1	5	7.00	....
Montross	37.94	50.68	42.81	43.81	16	75	16	65.00	5	*a* 10	5	15.00	4.1
Mossy Creek	30.39	49.22	34.09	37.90	15	*d* 74	17	59.33	7	0	6	10.00	4.1
Poplar Grove	32.80	55.10	40.00	42.63	15	*e* 77	27	59.67	4	*a* 10	6	17.67	4.6
Portsmouth	40.61	53.03	42.45	45.36	16	*f* 77	18	66.33	6	15	5	20.33	2.8
Rose Hill (*g*)	40.91	51.94	43.68	45.51	15	74	18	66.00	5	15	....	?	4.4
Rougemont	36.61	55.30	42.82	44.91	16	88	16	69.67	5	*a* 8	5	14.67	5.0
Ruthven (*g*)	34.44	46.24	41.04	40.57	15	75	?	?	6	8	5	19.00	2.5
Salem	45.23	49.81	48.11	47.72	25	*h* 68	18	63.67	2	*i* 23	2	24.67	4.2
Smithfield	38.45	52.99	45.39	45.61	16	77	18	66.00	5	11	5	18.40	4.3
Winchester	36.42	49.52	42.39	42.78	16	*f* 72	17	66.00	5	8	5	13.33	2.6
Wirt Court-House	28.84	50.23	37.68	38.92	28	74	29	59.33	7	— 7	6	11.67	4.3
NORTH CAROLINA—													
Ashville (*j*)	38.64	47.50	42.43	42.86	16	68	16	60.67	2	*k* 12	2	15.33	....
Chapel Hill	39.84	55.58	44.42	46.61	18	*e* 76	18	66.00	3	18	3	25.00	4.4
Davidson College	40.90	55.80	47.34	48.01	27	75	18	64.83	3	16	2	24.67	4.4
Gaston	39.39	54.87	42.58	45.61	16	77	18	65.00	6	13	5	19.67	....
Marlborough	44.69	56.09	48.54	49.77	15	76	18	67.00	3	18	4	26.00	4.8
Murfreesborough	42.10	54.28	47.28	47.89	16	74	17	65.33	6	17	6	22.33?	3.3
SOUTH CAROLINA—													
Aiken	46.03	61.10	49.67	52.27	28	82	18	67.67	2	20	2	26.67	3.7
All Saints	47.71	58.78	50.77	52.42	18	*l* 79	18	71.67	3	24	3	30.00	4.0
Charleston, [Dawson]	52.96	60.35	55.16	56.16	....	79	....	.....	....	29	....	.....	....
Charleston, [Johnson]	52.10	60.35	55.16	35.87	28	79	28	69.33	3	29	2	35.00	....
St. John's	40.62	72.00	46.25	52.96	29	89	....	?	3	16	....	?	4.3
GEORGIA—													
Athens	44.44	59.47	50.45	51.45	19	77	17	67.17	2	18	2	25.30	4.4
Hillsborough (*g*)	48.22	62.70	55.16	55.36	28	81	18	69.17	2	21	2	28.00	5.0
Savannah	51.80	64.60	56.30	57.57	28	83	23	71.80	2	27	2	34.60	3.9
Sparta	46.35	64.33	54.71	55.13	19	83	19	70.67	3	20	2	29.00	4.6
Whitemarsh Island	52.00	62.58	55.35	56.64	28	80	23	*l* 70.00	2	27	2	33.67	3.4
Zebulon	54.73	64.13	59.87	59.58	24	84	24	78.00	2	*k* 28	2	30.33	4.1
FLORIDA—													
Alachua County	51.74	71.08	58.06	60.29	19	*m* 83	23	72.33	3	30	?	?	3.4
Alligator	52.10	72.10	56.16	60.12	19	89	23	75.00	2	*i* 27	2	33.00	4.2
Atsena	58.65	64.48	62.58	61.90	30	76	23	*n* 71.33	2	32	2	39.33	4.1
Belair	54.10	71.74	62.68	62.84	28	84	23	77.33	2	30	2	40.00	3.5
Jacksonville	57.60	69.63	58.34	61.86	21	83	22	78.00	2	*k* 34	2	39.00	3.8
St. Augustine	60.42	67.55	60.42	62.80	23	84	21	77.00	2	37	2	*k* 41.33	4.1
Salt Ponds	68.68	74.45	.....	71.56	18	*o* 83	23	*p* 79.50	3	54	3	55.50	3.4
ALABAMA—													
Greene Springs	49.46	65.39	54.25	56.37	19	77	19	70.16	3	*i* 24	1	*q* 31.67	4.6
Greensborough	49.29	65.85	56.84	57.33	28	80	19	70.50	2	25	2	33.33	4.3

a Same temperature on the 6th.
b Observations taken at 8 a. m., noon, and 5 p. m.
c Same temperature on the 18th.
d Same temperature on the 16th.
e Same temperature on the 27th.
f Same temperature on the 17th.
g Incomplete.
h Same temperature on the 26th.
i Same temperature on the 4th.
j Observations taken at 9 a. m., 2 p. m., and 9 p. m.
k Same temperature on the 3d.
l Same temperature on the 28th.
m Same temperature on the 20th.
n Same temperature on the 30th.
o Same temperature on the 23d, 24th, and 26th.
p Same temperature on the 24th.
q Same temperature on the 2d.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MISSISSIPPI—													
Columbus	47.95	63.14	54.83	55.31	19	77	19	70.83	2	26	1	32.53	4.5
Natchez	54.00	70.21	60.22	61.48	19	*a* 80	19	73.67	27	27	1	38.67	----
Paulding	54.38	69.96	61.11	61.82	28	85	18	73.50	2	25	1	35.67	5.0
LOUISIANA—													
Black River	54.71	71.10	61.77	62.53	20	19	20	76.00	2	28	1	39.00	5.3
New Orleans (*b*)	63.40	70.64	72.80	68.95	29	89	19	*a* 83.33	1	38 *c*	1	41.67	----
TEXAS—													
Austin, [Swante Palm]	58.00	70.87	60.68	63.18	11	81	28	73.00	1	32	1	38.33	5.1
Austin, [Van Nostrand]	54.63	69.40	60.77	61.60	11	79	19	72.33	2	27	1	38.75	5.2
Goliad	59.19	70.40	63.82	64.47	27	78	20	72.00	2	31	1	41.67	5.2
Larissa	53.62	67.76	59.35	60.24	26	80	19	72.33	1	28	1	34.67	4.7
Union Hill	52.65	63.26	57.81	57.91	11	*d* 72	12	69.00	1	28	1	40.33	6.5
TENNESSEE—													
Glenwood	41.97	55.89	48.36	48.74	27	79	16	66.13	2	17	1	21.00	5.2
Memphis, [Tuck]	48.32	59.71	53.61	53.88	27	78	19	*e* 68.67	2	24	1	*f* 29.33	4.5
KENTUCKY—													
Bardstown	37.14	52.70	43.88	44.57	27	78	16	66.50	2	9.5	2	14.50	3.9
Danville	38.84	56.52	44.68	46.68	15	*a* 79	20	68.00	7	5	2	16.67	3.6
Springdale	33.61	53.87	47.34	44.94	26	76	16	65.00	2	9	2	18.33	4.3
Millersburg	37.55	49.55	41.65	42.92	16	*e* 70	16	65.33	6	— 4	6	6.00	3.3
Paris	34.71	49.00	41.06	41.59	27	73	16	62.33	7	— 1	2	14.67	4.4
OHIO—													
Bellefontaine	35.68	47.76	37.52	40.32	16	74	16	68.00	7	1	5	11.43	4.5
Bowling Green (*g*)	30.55	46.52	38.16	38.41	16	65	16	60.00	4	0	5	13.33	----
Cincinnati, [Harper]	36.97	54.32	43.65	44.98	16	78	15	61.00	4	12	2	17.67	4.3
Cincinnati, [Hartt]	32.90	51.58	39.84	41.47	16	73	17	64.00	7	2	6	14.33	3.2
Cleveland	29.94	40.03	33.15	31.71	17	68	16	59.50	5	— 4	5	6.80	5.5
Cleveland, [near]	----	----	----	41.00	----	----	----	----	----	----	----	----	----
Collingwood	31.68	44.00	36.48	37.39	15	62	15	56.67	4	8 *h*	5	12.33	----
Edinburg	27.39	42.52	32.26	34.06	16	63	16	57.67	5	—10	5	1.33	5.3
Hillsborough	33.48	44.77	39.95	39.40	16	67	16	61.00	4	4	2	11.30	3.9
Hiram	30.00	42.13	33.33	35.15	16	75	16	63.33	5	— 2	5	5.00	5.7
Jackson, Jackson county	32.77	51.61	39.06	41.15	17	76	17	65.67	7	— 1	6	13.33	3.3
Jackson, Monroe county (*i*)	27.36	45.70	32.38	35.15	16	*e* 72	16	55.67	7	3	5	10.67	5.0
Jefferson	25.74	37.03	30.90	31.22	16	*j* 58	16	*k* 48.67	5	— 6	6	2.67	9.2
Madison, [Atkins]	31.16	39.03	31.13	33.77	17	70	17	63.67	5	1	5	4.67	5.4
Madison, [King]	29.97	39.80	27.93	32.57	15	74	15	63.33	5	— 9	5	3.67	5.2
Medina	29.90	42.37	33.00	35.09	15	*l* 67	17	58.00	5	—10	5	0.35	5.3
New Lisbon	32.48	53.40	36.84	40.91	16	*m* 76	17	62.33	5	— 2	5	7.10	4.0
Northwood	30.28	44.14	35.33	36.58	31	65	16	60.00	7	— 2	2	8.00	4.8
Perrysburg (*n*)	34.23	47.77	37.65	39.88	18	71	16	60.00	4	5	5	14.67	----
Portsmouth (*o*)	34.81	52.32	42.13	43.09	16	76	17	66.00	7	4	6	15.00	5 3
Ripley	33.18	-------	40.54	36.86	27	75	14	*e* 59.00	7	6	4	13.00	4.0
Savannah	29.00	44.52	32.78	35.43	16	67	16	58.33	5	— 8	5	0.00	5.5
Urbana	31.23	49.16	36.10	38.83	16	73	16	63.33	4	— 2 *p*	6	10.67	5.4
Welchfield	29.54	42.58	31.32	34.48	17	70	16	59.00	3	0 *h*	5	5.67	4.0
Westerville	30.58	45.69	37.19	37.82	17	69	15	61.67	7	— 7	5	10.83	5.5
Windham	28.13	43.94	32.78	34.95	16	66	17	58.00	5	— 2	5	7.67	----
MICHIGAN—													
Battle Creek	30.03	45.74	35.16	36.98	27	76	16	58.00	5	— 7	5	8.00	4.2
Cooper	33.39	44.45	35.81	37.88	16	64	16	56.67	5	8	3	10.00	4.4
Grand Rapids, [Curtier]	29.45	42.94	34.84	35.74	15	*q* 67	15	59.33	5	— 3	5	9.67	4.6
Grand Rapids, [Streng]	28.80	43.68	33.45	35.31	15	67	15	59.00	5	— 2	3	10.67	5.0
Marquette	24.68	33.97	28.18	28.94	15	58	15	52.20	5	—12	3	— 4.50	5.3
Monroe	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.0

a Same temperature on the 20th.
b Observations taken at 9 a. m., noon, and 3 p. m.
c Same temperature on the 24 and 9th.
d Same temperature on the 12th and 13th.
e Same temperature on the 27th.
f Same temperature on the 2d.
g Observations taken at sunrise, 2 p.m., and 9 p.m.
h Same temperature on the 5th.
i Incomplete.
j Same temperature on the 18th.
k Same temperature on the 17th and 18th.
l Same temperature on the 17th
m Same temperature on the 17th, 21st, and 23d.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Observations taken at 7 a. m., ½ p. m., and 9 p. m.
p Same temperature on the 7th.
q Same temperature on the 31st.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued	°	°	°	°		°		°		°		°	
New Buffalo (*a*)	32.78	43.87	34.81	37.15	15	68	15	60.00	5	3	5	13.00	6.4
Port Huron	27.52	38.68	28.58	31.59	20	61	16	*b* 53.00	5	—10	5	1.00	5.0
INDIANA—													
Evansville	40.78	52.55	47.67	47.00	16	*c* 72	16	66.00	3	15	1	22.33	4.2
Logansport	34.45	52.19	40.06	42.33	26	76	15	65.67	3	7	3	12.67	4.6
Madison	35.03	46.81	40.60	40.81	27	67	16	59.67	7	8	2	15.00	4.5
Michigan City	33.45	45.45	36.48	38.46	15	72	15	63.00	5	5	2	*d* 14.33	5.1
New Harmony	39.29	53.52	45.84	46.22	27	74	16	64.33	2	*e* 17	1	21.33	5.1
Richmond	31.45	45.68	37.40	38.18	16	67	16	58.67	7	— 0.5	2	11.60	?
ILLINOIS—													
Athens	34.03	51.42	39.61	41.69	26	75	15	61.67	1	*e* 5	1	9.33	4.4
Augusta	34.87	50.45	42.43	42.58	26	75	15	63.67	1	*f* 1	1	7.33	4.0
Aurora	31.71	45.13	37.77	38.20	15	69	15	60.33	2	*e* 4	3	11.00	4.7
Batavia	28.16	47.55	32.17	35.96	19	72	15	59.00	2	— 2	1	*e* 10.00	5.0
Brighton	34.61	48.52	40.06	41.06	31	70	30	*g* 54.67	13	24	13	30.00	4.4
Edgar County (*h*)	35.42			35.42									
Edgington	33.06	48.55	39.72	40.44	26	76	15	62.67	1	2	1	11.67	5.0
Elgin	30.61	44.58	34.10	36.43	15	71	15	60.67	2	*e* 0	3	6.00	5.8
Evanston	35.10	44.73	34.93	38.25	15	70	15	61.67	2	6	2	12.33	4.8
Fremont Centre	33.71	45.84	35.19	38.25	15	68	15	60.33	2	*e* 8	3	14.33	3.5
Hillsborough	33.48	44.77	39.95	39.40	16	67½	16	61.00	4	4	2	11.33	3.9
Jacksonville	34.84	52.81	47.45	45.03	26	77	15	66.33	3	—10	3	13 00	
Manchester (*a*)	36.26	53.97	40.90	43.71	26	76	15	61.33	1	5	1	10.67	4.9
Marengo	34.71	46.97	34.45	38.71	15	72	15	63.33	3	2	3	8.67	4.9
Ottawa	32.67	46.25	38.48	39.13	26	71	15	61.67	2	4	3	11.67	4.4
Pekin	32.83	50.32	39.22	40.79	26	75	26	62.00	2	*e* 0	1	8.67	4.1
Peoria	34.18	51.45	40.36	42.00	27	77	16	63.50	2	4	1	12.12	4.3
Riley	30.77	44.67	31.57	35.67	15	70	15	59.67	9	— 4	3	6.33	3.3
South Pass	41.42	58.56	48.32	49.43	26	77	14	66.00	2	13	1	22.00	5.1
Warsaw	34.33	52.79	41.90	43.07	26	79	15	68.33	2	*i* 6	1	14.67	
Waynesville	31.52	49.27	44.42	41.74	27	76	16	62.67	2	0	1	9.33	4.2
West Salem	39.35	56.16	45.10	46.87	26	78	14	67.33	2	11	1	19.00	4.8
West Urbana	34.32	48.55	39.00	40.62	26	74	15	61.33	2	3	1	*e* 11.67	4.6
Wheaton	30.10	43.00	34.90	36.00	15	70	15	61.00	2	— 1	3	7.40	5.4
Winnebago	30.59	48.10	35.59	38.09	15	70	15	62.00	2	2	3	10.90	4.3
MISSOURI—													
St. Louis	41.00	55.20	47.30	47.83	25	76	19	*j* 64.50	1	11	1	16.50	4.5
Springfield (*k*)	41.51	56.26	48.03	48.60	10	75	19	62.67	1	14	1	20.33	7.4
WISCONSIN—													
Appleton	28.35	42.68	34.29	35.11	15	66	15	57.33	2	0	3	9.67	4.6
Bay City	23.58	32.94	26.35	27.62	15	64	15	51.33	4	— 6	1	0.67	4.9
Beloit	31.25	46.14	35.38	37.59	15	*l* 68	15	59.00	2	4	3	11.33	4.1
Janesville	23.68	37.10	28.19	29.66	30	59	30	43.67	7	*m* 0	7	6.67	4.5
Kenosha	31.85	41.68	35.20	36.24	15	71	15	61.00	2	6	1	*f* 13.00	4.3
Lind													5.3
Madison, [Sterling]	31.68	42.23	35.87	36.59	15	66	15	59.00	2	*e* 4	1	*e* 10.00	5.4
Manitowoc	30.10	40.87	34.81	35.26	15	70	15	56.00	2	2	1	11.00	5.6
Menasha	29.39	42.77	32.84	35.00	15	68	15	58.67	4	— 2	4	3.67	4.8
Milwaukee, [Lapham]									3	2			
Milwaukee, [Pomeroy]	29.19	39.88	32.90	33.99	16	60	15	52.67	2	3	3	8.33	5.6
Milwaukee, [Winkler]	31.45	40.69	33.61	35.25	15	69	15	60.67	2	*e* 3	3	9.67	3.9
Mount Morris	29.25	43.19	32.29	34.91	15	66	15	58.67	4	1	3	9.00	5.4
New Danemora (*n*)	26.01	45.90	38.82	36.91	15	*o* 68	15	63.00	2	— 4	1	8.67	
New London	26.19	40.64	32.06	32.96	15	65	15	54.67	4	— 4	3	7.00	4.6
Platteville	32.26	47.32	37.64	39.07	15	*l* 70	15	63.00	2	— 2	2	7.00	4.8
Racine	33.18	40.73	32.73	35.55	15	68	15	54.67	3	8	3	14.00	5.0

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 17th.
c Same temperature on the 27th.
d Same temperature on the 5th.
e Same temperature on the 3d.
f Same temperature on the 2d.
g Same temperature on the 31st.
h Observations taken at sunrise.
i Same temperature on the 1st.
j Same temperature on the 26th.
k Observations taken at sunrise, 3 p. m., and 9 p. m.
l Same temperature on the 19th.
m Same temperature on the 10th and 12th.
n Observations taken at 6 a. m., noon, and 6 p. m.
o Same temperature on the 25th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
St. Croix (*a*)	27.19	.....	33.00	30.10	15	62	?	?	1	— 5	1	1.67	?5.4
Waukesha	32.32	43.68	36.13	37.38	18	61	16	57.00	2	*b* 4	3	9.33	5.2
IOWA—													
Bellevue	31.49	48.19	36.87	38.85	15	71	15	61.67	2	2	3	11.67	5.5
Border Plains	33.74?	50.65?	38.55?	40.98	25	75	14	62.67	1	10	1	14.00	4.7
Dubuque	33.19	46.16	38.00	39.12	15	70	15	61.67	3	4	2	*b* 11.67	5.0
Fairfield	35.62	49.10	40.80	41.84	26	76	15	64.00	1	1	1	5.33	5.5
Fort Madison (*c*)	33.45	48.83	43.35	41.88	26	74	15	64.33	2	1	1	7.67	4.9
Franklin	34.61	49.84	38.74	41.06	26	71	15	60.00	1	*d* 6	1	11.00	4.7
Iowa City	35.15	46.67	39.43	40.42	15	72	15	61.67	2	8	1	12.67	5.2
Muscatine	31.84	47.52	36.26	38.54	15	*e* 70	19	59.33	1	*b* 2	2	9.00	3.1
Pleasant Plain	33.87	51.32	40.03	41.74	26	78	15	67.33	1	*b* 2	1	8.33	4.5
Poultney	32.07	47.84	33.70	37.87	15	73	15	62.00	1	1	1	7.00	5.4
Rossville	31.52	46.28	35.86	37.89	15	65	15	57.83	2	1	1	6.67	4.9
Sioux City	34.50	50.22	39.41	41.38	25	71	----	?	1	6	2	13.00	5.1
MINNESOTA—													
Buchanan (*f*)	23.61	41.48	25.87	30.32	15	74	15	53.75	1	—12	1	4.75	----
Burlington	22.00	36.20	28.03	28.74	15	56	16	45.67	3	—10	1	2.67	----
Hazlewood	32.55	43.84	35.06	37.15	19	63	19	52.33	1	2	2	4.00	4.8
Princeton	29.39	46.50	33.97	36.62	31	68	31	59.33	2	1	2	5.00	3.2
Wabashaw	29.19	46.42	31.78	35.80	16	70	16	59.33	1	— 2	2	5.33	3.7
NEBRASKA—													
Bellevue	38.39	51.68	43.90	44.66	26	75	26	61.33	1	7	1	14.50	4.4
Omaha	.....	.....	.....	.....	----	.....	----	.....	----	.....	----	.....	3.8
KANSAS—													
Burlingame	39.45	57.30	44.45	47.07	26	81	26	65.67	1	14	1	18.33	4.0
Lawrence	42.10	57.71	48.45	49.42	26	74	26	65.67	1	14	1	20.67	3.3
Leavenworth City	41.84	56.26	44.81	47.64	26	76	15	65.67	1	12	1	15.67	4.4
Manhattan	38.23	60.45	44.90	47.86	26	82	15	66.00	3	10	1	20.00	4.3
Moneka	.....	.....	45.23	.....	2	78	....	.....	10	20	....	.....	3.1
Topeka	40.81	58.45	45.13	48.13	26	82	26	68.00	1	*b* 12	1	17.00	3.0
MEXICO—													
Cordova (*g*)	66.36	70.36	66.47	68.23	22	81.32	----	.....	9	57.20	----	.....	----
Mirador (*h*)	60.85	74.14	63.27	66.09	22	87.80	30	78.62	9	46.04	8	*d* 52.39	----
Vera Cruz (*i*)	73.46	.....	75.95	74.70	----	.....	----	.....	----	.....	----	.....	----
CALIFORNIA—													
Marysville	48.42	64.32	55.87	56.20	1	76	1	63.33	18	37	17	45.67	4.1
Sacramento, [Logan]	49.45	57.84	53.94	53.74	7	*j* 64	31	59.00	18	*k* 43	17	46.33	4.4
San Francisco	50.29	59.61	51.29	53.73	6	72	6	61.00	17	*l* 42	17	45.67	4.4
Union Rancho	44.61	62.52	54.26	53.80	3	*m* 74	1	63.00	17	*n* 32	17	44.67	----
WEST INDIES—													
Nassau, Bahamas (*o*)	.....	.....	.....	79.33	----	.....	----	.....	----	.....	----	.....	----
St. George's, Bermuda (*p*)	.....	.....	.....	60.59	----	.....	25	80.50	----	.....	6	63.50	----
CENTRAL AMERICA—													
Guatemala (*q*)	54.32	74.30	59.36	65.70	?	85.8	----	.....	?	41.4	----	.....	----
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*r*)	75.10	84.70	79.80	79.87	17	*s* 88	29	82.00	14	70	16	75.33	5.2

a Incomplete.
b Same temperature on the 3d.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Same temperature on the 2d.
e Same temperature on the 19th.
f Observations taken at 7 a. m., noon, 3 p. m., and 9 p. m. Mean at noon, 41.10.
g Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 68.74; at 6 p. m., 69.21.
h Observations taken at 7 a. m., 2 p. m., and 8 p. m.
i Observations taken from 6 to 8 a. m. and from 8 to 10 p. m.
j Same temperature on the 8th.
k Same temperature on the 19th and 28th.
l Same temperature on the 18th.
m Same temperature on the 23d.
n Same temperature on the 20th.
o Mean obtained from daily maximum and minimum.
p Observations taken at 3.30 and 9.30 a. m., and 3.30 and 9.30 p. m.
q Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 66.02; mean at noon, 74.48.
r Observations taken at 6 a. m., 2 p. m., and 6 p. m.
s Same temperature on the 27th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	○	○	○	○		○		○		○		○	
BRITISH AMERICA—													
Fort Simpson (*a*)	------	------	------	25.50	26	*b* 47	26	46.00	1	*c* 8	12	12.50	....
Hamilton (*d*)	44.43	------	44.73	44.58	22	66	30	60.00	7	*e* 34	7	*f* 35.00	....
Montreal	38.27	46.12	39.76	41.38	29	57	29	51.13	7	19	7	29.86	6.0
Moose Factory (*g*)	------	------	------	24.10	----	----	----	----	----	----	----	----	....
Red River Settlement	30.43	42.07	30.79	34.43	19	*h* 62	28	54.33	5	13	5	17.67	4.6
Rigolet (*i*)	22.97	------	27.70	25.33	24	38	24	35.00	5	— 3	4	6.50	....
St. John's	35.67	40.33	35.30	37.10	27	60	27	52.00	4	20	5	26.67	....
St. Martin (*j*)	32.89	46.92	38.02	39.28	2	60	4	48.60	7	16	7	27.00	....
Stanbridge	36.57	46.70	38.63	40.63	4	60	23	*k* 49.00	7	20	7	25.67	5.8
Toronto (*j*)	37.07	46.44	39.72	41.08	30	61	30	52.13	7	24	6	30.83	6.5
Windsor	35.10	44.27	35.98	38.45	3	61	24	47.80	8	25	11	28.50	6.1
Wolfville	35.67	45.32	36.13	39.04	2	57	3	45.77	10	24	11	28.50	6.1
MAINE—													
Cornish, [Guptill]	36.13	46.50	37.23	39.95	3	64	3	52.00	7	23	7	27.33	5.7
Cornish, [West]	35.73	46.80	37.26	39.93	3	65	3	51.33	7	22	7	26.33	5.2
Gardiner	37.37	47.25	37.62	40.75	3	64	16	48.33	7	26	7	28.33	5.9
Monson	------	------	------	------	----	----	----	----	----	----	----	----	5.5
Perry	34.77	42.88	35.83	37.83	3	61	16	47.33	8	24	11	29.67	5.7
Portland	37.30	47.17	39.48	41.32	3	65	16	51.00	7	27	7	31.00	6.0
Steuben (*l*)	35.33	44.71	36.12	38.72	3	60	15	47.33	1	*m* 29	7	30.00	6.1
NEW HAMPSHIRE—													
Concord	36.89	51.34	40.20	42.81	3	68	16	51.33	7	25	7	30.67	5.4
Francestown, [Bixby]	40.93	49.61	40.89	43.81	3	66	3	55.33	7	27	7	31.33	5.2
Shelburne	36.30	49.73	37.13	41.05	3	*n* 64	22	50.67	7	20	7	25.33	5.7
Stratford	33.07	45.00	34.60	37.56	4	57	23	46.00	7	18	7	23.00	?5.7
West Enfield	35.00	45.80	38.07	39.62	3	60	3	50.33	7	17	7	23.33	5.8
VERMONT—													
Brandon	36.96	48.93	40.08	41.99	3	62	4	*o* 50.50	7	21	7	27.50	5.6
Burlington	37.30	46.85	41.25	41.80	4	60	22	51.00	7	20	7	26.67	5.2
Craftsbury	33.57	43.77	37.20	38.18	3	56	3	*o* 46.00	7	17	7	23.00	5.3
Rupert	35.20	50.67	46.13	44.00	4	*n* 64	4	*p* 56.00	8	20	7	28.67	5.9
St. Johnsbury	34.70	45.31	35.20	38.40	3	59	24	46.33	7	21	7	25.33	5.7
MASSACHUSETTS—													
Amherst	40.29	53.93	43.90	46.04	3	68	30	59.80	7	28	7	34.60	5.4
Bridgewater (*q*)	39.97	53.23	46.87	46.69	3	65	16	*p* 55.17	7	29	27	33.83	6.0
Cambridge	39.30	52.53	44.17	45.33	3	67	30	58.00	7	27	7	33.00	5.9
Florida	------	------	------	------	----	----	----	----	----	----	----	----	6.6
Lawrence	37.13	52.00	41.80	43.64	3	68	23	51.33	7	26	7	31.33	5.2
Mendon	38.20	52.73	44.46	45.13	3	70	30	57.67	7	26	27	32.33	5.2
Nantucket	44.37	51.00	43.37	46.25	10	62	23	52.83	7	*b* 34	27	35.67	5.0
New Bedford	41.58	52.62	43.57	45.92	3	*r* 61	23	53.20	7	30	27	35.00	6.2
Newburyport (*s*)	37.74	49.26	41.98	42.99	16	*t* 59	?	?	9	32	?	?	?
Richmond	35.23	51.73	43.80	43.59	22	68	30	58.00	7	20	7	28.33	6.0
Westfield	41.33	53.23	44.10	46.22	3	67	30	59.67	7	29	7	36.00	5.8
Williamstown	38.43	49.27	41.70	43.13	3	62	9	52.80	7	24	7	30.60	6.1
Worcester	40.52	53.14	44.73	46.13	3	67	30	59.33	7	29	27	33.67?	5.6
RHODE ISLAND—													
Providence (*u*)	40.50	54.70	43.40	46.20	3	69	3	54.67	7	*v* 30	27	34.33	5.0
CONNECTICUT—													
Columbia	42.27	54.03	41.20	45.83	30	70	30	60.67	7	28	7	31.00	5.4
New London	41.00	50.90	41.37	44.42	29	61	30	53.67	27	31	27	33.33	4.9
Pomfret	37.39	51.50	42.10	43.66	30	66	3	53.60	7	27	27	32.20	5.2

a Register thermometer.
b Same temperature on the 27th.
c Same temperature on the 2d and 13th.
d Observations taken at 9 a. m. and 9 p. m.
e Same temperature on the 24th.
f Same temperature on the 11th.
g Observations taken at sunrise, 2 p. m., and 10 p. m.
h Same temperature on the 28th.
i Observations taken at sunrise and sunset.
j Observations taken at 6 a. m., 2 p. m., and 10 p. m.
k Same temperature on the 2d.
l For the first 24 days of the month.
m Same temperature on the 7th, 8th, and 21st.
n Same temperature on the 22d.
o Same temperature on the 5th.
p Same temperature on the 30th.
q Observations taken at 7 a. m., 2 p. m., and 7 p. m.
r Same temperature on the 16th.
s Incomplete.
t Same temperature on the 18th.
u Observations taken at 6 a. m., 1 p. m., and 10 p. m.
v Same temperature on the 8th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Meantemp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Saybrook	42.23	49.77	42.85	44.95	30	60	30	55.00	7	30	27	34.33	5.1
Wallingford	39.30	54.38	43.72	45.80	30	72	30	63.17	7	28	27	33.50	4.3
NEW YORK—													
Bellport	44.68	50.88	44.17	46.58	30	65	30	58.33	7	*a* 32	27	38.00	4.7
Buffalo (*b*)	42.20	46.33	42.41	43.65	4	70	----	?	6	*c* 30	7	33.33	5.4
Canton	38.57	50.77	42.80	44.05	4	70	4	59.70	7	20	7	26.00	5.5
Clinton	41.87	54.23	43.40	46.50	4	70	22	59.00	7	23	7	30.00	6.3
Fishkill	43.32	56.27	46.90	48.83	30	75	30	65.67	7	31	7	38.67	4.7
Flatbush	43.25	54.10	45.18	47.51	30	77	30	64.50	7	32	27	39.20	5.6
Fort Edward	39.03	52.40	43.70	45.04	3	65	30	57.67	7	24	8	32.33	6.4
Houseville	38.73	49.40	38.87	42.33	3	65	30	56.00	7	22	7	27.67	6.4
Nichols	39.23	53.40	40.33	44.32	4	71	30	61.67	7	25	26	31.67	6.2
Rochester	41.87	52.43	44.72	46.34	4	*d* 72	22	61.00	7	28	24	33.00	5.2
Sag Harbor (*e*)	43.16	58.37	43.58	48.37	3	69	----	?	7	31	----	?	5.3
Waterford	42.58	55.03	44.67	47.43	3	69	30	58.00	7	*f* 31	7	36.33	6.0
Wellsville	39.67	51.93	41.53	44.38	22	67	30	60.00	6	*c* 28	6	31.33	5.8
NEW JERSEY—													
Bloomfield	44.48	55.20	46.22	48.63	30	74	30	65.50	7	31	26	38.67	5.0
Freehold (*g*)	43.52	56.98	44.08	48.19	30	80	----	?	26	*f* 31	----	?	----
Lambertville	43.16	57.87	46.09	49.04	30	81	----	-------	26	24	----	-------	----
Newark (*h*)	-------	-------	-------	48.60	30	77	30	64.50	26	30	27	38.75	----
PENNSYLVANIA—													
Bedford	42.19	58.25	47.77	49.40	9	*i* 75	30	64.33	7	25	24	37.00	5.5
Berwick	45.70	55.77	45.88	49.12	30	76	30	63.00	25	*j* 36	12	39.67	4.2
Byberry	44.12	57.52	47.38	49.67	30	80	30	68.00	1	31	25	37.33	6.2
Cannonsburg	43.21	55.25	50.07	49.51	4	77	4	64.00	25	30	7	39.33	6.4
Easton	41.15	54.23	45.45	46.94	30	75	30	65.00	26	*k* 30	26	37.20	5.8
Fleming	42.10	55.93	45.70	47.91	4	*l* 70	30	66.33	7	*j* 29	6	*m* 36.67	6.1
Gettysburg	43.93	58.93	48.10	50.32	10	80	10	68.33	7	28	12	*n* 40.33	5.1
Harrisburg, [Heisely]	46.50	58.20	52.87	52.52	30	77	30	68.00	7	35	12	43.00	5.3
Harrisburg, [Hickok]	43.72	55.62	49.80	49.71	30	76	30	65.67	7	31	7	40.00	6.2
Indiana	43.93	55.57	45.33	48.28	4	78	30	63.67	7	26	6	33.00	5.6
Lewisburg	41.47	55.31	47.46	48.08	30	72	30	64.57	7	28	26	36.93	6.2
Meadville	41.33	55.47	43.33	46.71	4	78	22	63.00	7	22	26	32.67	6.7
Morrisville	44.13	58.03	47.27	49.81	30	84	30	69.33	7	*o* 34	25	37.67	4.5
Mount Joy	45.85	60.60	50.38	52.28	30	81	30	69.67	7	34	26	42.17	5.4
Murrysville	43.86	56.41	46.70	48.99	4	77	30	63.00	7	29	6	36.00	6.4
Norristown	44.31	55.96	48.23	49.50	30	78	30	67.50	7	33	27	40.60	5.6
North Whitehall (*p*)	40.63	56.30	50.93	49.29	30	77	30	66.00	1	*q* 30	26	37.67	?
Paradise	-------	-------	-------	42.00	----	----	----	----	----	----	----	----	----
Philadelphia	47.00	59.40	51.15	52.52	30	84	30	70.67	7	35	25	41.67	6.4
Pittsburg, [Martin]	45.77	57.13	51.17	51.36	4	74	30	65.00	7	31	7	*o* 39.33	5.6
Pittsburg, [Wilson]	45.50	56.13	49.60	50.41	4	80	4	*r* 64.00	7	25	24	34.67	----
Pocopson	44.88	58.27	48.62	50.59	30	81	30	67.67	7	32	25	39.67	6.4
Reading	42.43	55.02	47.48	48.31	30	74	30	65.00	7	30	26	39.33	5.8
Shamokin (*s*)	37.23	51.87	48.40	45.83	30	72	30	62.00	26	13	16	34.67	5.2
Somerset	42.07	52.97	46.47	47.17	4	71	9	63.33	7	22	6	33.33	7.2
Tarentum	44.00	58.17	48.00	50.06	4	80	9	63.67	7	28	6	35.67	6.0
West Haverford	45.37	58.23	-------	51.80	30	81	30	68.50	7	32	7	*f* 40.00	6.0
Westtown	43.27	55.58	46.56	48.47	30	80	30	66.27	7	32	25	36.90	5.7
DELAWARE—													
Georgetown (*t*)	51.03	61.00	56.43	56.15	10	*u* 84	30	77.00	27	36	27	40.00	----
Milford (*v*)	57.42	63.79	-------	60.60	22	76	?	?	27	42	?	?	?

a Same temperature on the 8th.
b Observations taken at 8 a. m., 2 p. m., and 9 p. m.
c Same temperature on the 7th.
d Same temperature on the 22d.
e For the first 19 days of the month.
f Same temperature on the 27th.
g Observations at 9 p. m. interrupted from the 6th to the 20th, inclusive.
h Observations taken at 7 a. m. and 6 p. m.
i Same temperature on the 10th and 30th.
j Same temperature on the 26th and 27th.
k Same temperature on the 3d.
l Same temperature on the 9th and 10th.
m Same temperature on the 26th.
n Same temperature on the 24th.
o Same temperature on the 25th.
p Observations taken at sunrise, noon, and sunset.
q Same temperature on the 7th, 26th, and 29th.
r Same temperature on the 30th.
s Observations taken at night. Mean 32.20.
t Observations taken at 8 a. m. and 1 and 6 p. m.
u Same temperature on the 15th.
v Incomplete.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MARYLAND—	°	°	°	°		°		°		°		°	
Annapolis	47.70	59.10	53.40	53.40	30	84	30	72.00	7	34	25	41.83	6.2
Baltimore	47.71	57.91	52.59	52.74	30	80	30	68.33	7	35	25	41.33	?
Bladensburg	46.64	59.57	49.39	51.87	10	80	10	68.33	8	32	26	? 40.00	6.7
Chestertown	47.20	58.50	49.40	51.70	30	81	30	69.33	27	36	25	39.50	7.2
Frederick	46.38	57.24	50.11	51.24	10	77	30	66.67	7	34	26	41.93	5.7
Oakland (*a*)	40.83	50.67	41.32	44.27	4	*b* 71	4	61.33	26	23	26	28.67	....
Sykesville	45.80	57.60	49.10	50.83	10	*c* 76	10	66.33	26	33	12	39.50	5.4
DISTRICT OF COLUMBIA—													
Washington	48.13	58.70	53.43	53.42	30	*c* 83	30	69.67	7	34	25	41.67	6.2
VIRGINIA—													
Alexandria	49.83	61.03	54.43	55.10	10	*c* 83	30	71.67	7	35	25	43.00	6.2
Crichton's Store (*d*)	54 17	67.20	64.88	62.08	30	86	30	79.33	27	39	?	?	5.7
Hartwood	47.23	60.30	52.03	53.19	30	84	30	71.00	7	*e* 34	26	39.33	....
Kanawha	50.10	62.90	54.10	55.73	30	81	30	70.67	27	33	7	40.67	6.2
Meadowdale	40.27	52.73	49.10	47.37	10	*c* 72	30	66.67	27	24	27	32.67	....
Montross	49.40	60.20	51.97	53.86	30	83	30	71.33	25	34	25	36.67	6.9
Mossy Creek	44.76	57.76	44.73	49.08	30	82	30	69.00	25	29	25	31.67	6.0
Poplar Grove	49.97	67.30	53.03	56.77	22	85	30	71.00	27	33	24	*f* 41.00	6.6
Portsmouth	53.46	64.26	53.33	57.02	23	90	10	74.33	27	33	26	38.00	4.3
Rose Hill	51.62	58.92	56.20	55.58	30	83	....	?	26	37	....	?	7.0
Rougemont	50.00	64.62	53.80	56.14	30	92	30	81.00	25	34	25	38.67	6.6
Ruthven (*g*)	50.29	61.30	51.47	54.35	30	88	20	67.33	25	33	25	36.67	?
Smithfield	53.30	63.20	56.10	57.53	10	*c* 85	30	75.60	27	36	26	42.50	5.7
Winchester	48.83	58.87	52.33	53.34	10	80	10	70.00	7	*h* 36	25	40.67	5.1
Wirt Court-House	44.97	63.07	52.47	53.50	4	82	30	68.67	27	26	27	38.67	6.1
NORTH CAROLINA—													
Ashville (*g*)	47.77	57.71	51.19	52.22	10	*c* 76	30	*c* 67.33	27	*i* 34	27	37.33	....
Chapel Hill	52.20	67.77	56.53	58.83	10	*c* 89	10	76.00	27	34	26	38.67	5.8
Davidson College	53.80	66.41	57.93	59.38	10	83	11	*c* 74.00	26	*j* 37	26	37.33	4.7
Gaston	50.77	66.37	53.80	56.98	30	89	30	76.00	27	32	26	37.33	....
Marlborough	56.76	69.76	60.46	62.33	10	88	10	77.33	26	34	26	36.67	5.0
Murfreesborough	54.13	66.10	56.68	58.97	10	*c* 86	30	75.67	26	*j* 37	26	39.33	4.0
SOUTH CAROLINA—													
Aiken	56.86	73.04	58.89	62.93	19	88	19	75.33	28	37	27	41.00	4.1
All Saints	60.17	70.77	62.93	64.62	21	*k* 83	20	*l* 75.33	27	41	27	45.00	4.7
Charleston, [Dawson]	61.73	70.23	64.50	65.49	....	79	....	.....	....	42	....	.....	....
Charleston, [Johnson]	61.73	70.23	64.50	65.49	18	*m* 79	21	74.33	27	42	27	48.67	....
Columbia	55.63	71.73	63.17	63.51	19	89	19	76.00	28	36	26	41.00	4.8
St. John's (*g*)	56.30	77.17	56 20	63.22	19	96	....	?	27	34	....	?	?
GEORGIA—													
Athens	56.67	68.23	58.18	61.03	18	83	18	71.03	26	39	26	41.17	4.8
Hillsborough	56.67	69.98	61.78	62.81	18	83	19	71.90	26	*j* 41	26	45.67	4.8
Savannah	61.20	74.60	64.80	66.87	22	87	22	78.30	27	44	27	50.17	4.5
Sparta	54.67	72.57	61.47	62.90	18	87	11	75.00	28	36	27	46.67	4.6
Whitemarsh Island	62.17	72.80	64.10	66.36	21	*n* 84	21	77.33	26	*j* 46	27	50.00	4.3
Zebulon	56.60	68.57	65.20	63.46	18	84	18	78.00	28	40	14	49.83	5.7
FLORIDA—													
Alachua County (*o*)	58.81	79.17	62.97	66.98	22	91	22	79.00	28	40	?	?	2.8
Alligator	65.07	78.90	68.27	70.75	8	96	8	86.00	27	50	27	55.33	3.8
Atsena	66.87	72.23	69.87	69.99	10	*p* 78	22	76.00	27	52	27	60.67	2.7
Belair	60.97	77.53	68.60	69.03	22	87	22	80.00	25	*i* 48	27	58.00	3.3
Jacksonville	66.47	76.77	66.40	69.88	29	86	21	*n* 79 33	27	49	27	50.00	3.3
St. Augustine	68.97	75.07	67.73	70.59	22	89	22	81.33	28	55	28	57.67	3.1
Salt Ponds	73.20	80.20	.....	76.70	11	*q* 85	12	81.50	28	66	2	*i* 70.50	3.6

a Observations interrupted from the 16th to the 21st, inclusive.
b Same temperature on the 10th and 22d.
c Same temperature on the 30th.
d Observations taken at 7 a. m., noon, and 6 p. m.
e Same temperature on the 26th and 27th.
f Same temperature on the 26th.
g Incomplete.
h Same temperature on the 25th.
i Same temperature on the 28th.
j Same temperature on the 27th.
k Same temperature on the 23d.
l Same temperature on the 21st.
m Same temperature on the 21st, 22d, and 23d.
n Same temperature on the 22d.
o Observations taken at 6 a. m., 2 p. m., and 9 p. m.
p Same temperature on the 11th and 19th.
q Same temperature on the 12th, 20th, 21st, and 22d.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
ALABAMA—	°	°	°	°		°		°		°		°	
Greene Springs	57.79	71.68	60.11	63.19	7	83	10	75.00	27	*a* 37	27	46.00	3.3
Greensborough	57.08	72.58	62.23	63.96	7	84	17	72.83	27	42	27	48.67	2.7
Selma	57.27	74.30	61.37	60.98	17	*b* 86	18	73.33	27	42	27	48.67	4.0
MISSISSIPPI—													
Columbus	56.90	71.81	61.21	63.31	18	82	18	73.60	27	44	13	48.00	3 8
Natchez	58.22	73.70	65.19	65.70	6	79	10	75.31	29	42	29	54.00	....
Paulding	61.02	77.07	67.43	68.51	16	88	17	78.80	26	45	13	53.80	4.0
LOUISIANA—													
Black River	61.80	76.30	67.07	68.39	16	*c* 85	10	*d*77.00	14	48	13	53.67	3.3
New Orleans	71.00	76.00	77.80	74.93	6	89	17	83.33	27	56	1	60.33	....
TEXAS—													
Austin, [Swante Palm]	64.87	79.67	67.13	70.56	24	92	22	79.33	13	50	13	60.33	3.0
Austin, [Van Nostrand]	61.71	79.24	66.64	69.20	22	91	17	78.33	13	48	13	59.70	3.8
Goliad	63.83	77.47	67.73	69.68	22	85	17	73.00	2	*e* 53	13	60.67	4.0
Larissa	58.05	76.15	63.87	66.02	15	87	15	76.17	14	42	13	47.67	3.0
Union Hill	58.67	69.77	61.33	63.26	19	76	17	66.73	1	*f* 50	13	56.00	4.6
Washington	61.86	78.36	64.13	68.12	15	88	....	?	13	46	13	52.67	3.7
TENNESSEE—													
Glenwood	52.60	64.74	56.01	57.78	10	79	10	73.43	27	34	25	42.50	6.0
Memphis	57.57	68.47	61.10	62.38	10	82	10	75.33	13	44	13	46.67	5.2
KENTUCKY—													
Bardstown	49.65	64.68	54.86	56.40	30	83	30	73.33	28	34	28	42.50	5.4
Danville	54.17	67.07	56.33	59.19	30	89	30	74.67	27	42	23	*g* 47.67	4.8
Louisville (*h*)	50.77	62.37	56.10	56.38	30	80	30	72.33	27	34	27	44.67	....
Millersburg	51.37	61.17	54.63	55.72	10	80	10	71.33	27	34	27	40.00	6.3
Nolin	52.52	66.98	52.14	57.21	10	84	10	72.00	27	37	26	43.30	4.0
Paris	48.70	60.23	52.40	53.78	30	79	30	71.00	27	32	27	39.67	6.1
Springdale	46.97	65.25	57.58	56.60	30	84	30	73.67	26	26	26	44.17	5.6
OHIO—													
Bellefontaine	45.48	59.37	47.92	50.92	29	77	30	64.60	6	30	24	36 50	6.2
Bowling Green	45.34	56.59	47.58	49.84	22	74	30	69.17	5	31	6	38.00	5.5
Cincinnati, [Harper]	50.23	65.40	55.30	56.98	30	87	30	76.33	27	35	23	43.67	5.6
Cincinnati, [Hunt]	49.07	63.73	51.83	54.88	30	87	30	74.67	27	30	26	38.67	5.2
Cleveland	45.04	50.42	46.04	47.17	30	68	22	66.33	6	*i* 27	6	32.67	6.9
Cleveland, (near)	-------	-------	-------	54.00	---	------	---	------	---	-------	---	---------	---
Collingwood	41.90	52.00	46.23	48.71	22	*j* 70	22	60.00	25	30	24	33.33	....
Edinburg	42.67	52.00	44.93	46.53	4	72	30	61.33	7	24	6	30.67	6.4
Hillsborough	47.17	57 48	52.08	52.24	30	77	30	71.80	6	*i* 34	24	39.70	4.6
Hiram	42.90	55.14	45.75	47.93	4	75	22	*k*60.00	8	26	6	31.67	7.2
Jackson, (Jackson county)	48.80	66.00	52.70	55.83	30	89	30	74.33	6	34	6	42.67	5.3
Jackson, (Monroe county)	47.63	61.14	51.53	53.43	10	77	10	68.00	7	33	6	39.33	6.5
Jefferson	38.27	46.73	44.13	43.04	3	64	17	52.00	25	*l* 26	25	*g* 30.00	9.4
Lancaster	46.34	60.76	49.95	59.02	30	82	30	72.40	6	27	6	36.20	4.8
Madison, [Atkins]	48.64	52.96	44.30	48.63	30	79	29	66.67	7	24	7	33.33	6.0
Madison, [King]	45.53	52.20	42.37	46.70	22	*k* 75	22	66.00	26	27	24	*g* 34.33	5.9
Medina	44.42	54.53	45.97	48.31	22	72	22	64.50	7	26	6	32.00	6.1
Mount Union	47.22	60.12	46.00	51.11	4	78	22	*j*64.67	6	25	6	32.67	5.2
New Lisbon	48.86	65.93	51.60	55.46	4	86	30	70.00	7	28	6	39.33	4.4
Northwood	44.99	55.64	44.32	48.32	3	*k* 72	30	64.67	6	*m* 30	24	33.33	6.0
Perrysburg (*n*)	47.31	55.79	46.31	49.90	30	78	30	71.33	6	*m* 32	24	33.33	....
Portsmouth (*o*)	51.47	64.43	58.27	58.06	10	80	10	71.00	28	35	25	44.67	7.3
Ripley (*p*)	48.70	-------	54.90	56.80	30	73	....	?	27	34	....	?	?
Savannah	45.53	57.10	46.13	49.59	22	74	29	66.00	24	26	21	31.00	6.9
Urbana	46.40	60.53	47.70	51.54	30	80	29	68.33	27	31	25	38.67	6.5
Welchfield	43.43	54.93	43.50	47.29	22	71	22	61.67	6	25	6	30.00	5.6

a Same temperature on the 28th.
b Same temperature on the 18th.
c Same temperature on the 17th.
d Same temperature on the 16th.
e Same temperature on the 11th.
f Same temperature on the 13th.
g Same temperature on the 26th.
h Observations taken at 7 a. m., 3 p. m., and 9 p. m.
i Same temperature on the 7th.
j Same temperature on the 30th.
k Same temperature on the 29th.
l Same temperature on the 26th and 27th.
m Same temperature on the 21th.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Observations taken at 7 a. m., ½ p. m., and 9 p. m.
p Incomplete.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Westerville	46.27	58.42	49.82	51.50	29	74	30	68.17	27	31	24	37.33	6.7
Windham	40.23	54.90	45.83	46.99	3	*a* 69	30	60.67	7	25	6	33.33	----
MICHIGAN—													
Battle Creek	43.67	54.33	44.53	47.51	3	*b* 78	29	68.67	6	*c* 30	24	33.67	5.1
Cooper	43.60	51.47	40.07	45.05	3	*d* 72	3	62.67	23	24	23	30.00	4.1
Detroit	43.50	52.07	41.83	45.80	22	78	29	59.33	6	27	24	32.00	5.5
Grand Rapids, [Streng]	39.73	54.00	42.20	45.31	3	78	29	66.67	5	24	24	31.00	6.5
Marquette	35.52	41.37	34.61	37.17	2	64	2	54.23	6	19	6	23.90	6.2
Monroe	------	------	------	------	---	------	---	------	---	------	---	------	5.9
New Buffalo (*e*)	45.13	53.00	42.67	46.93	29	73	29	67.67	6	*f* 26	6	33.00	7.1
Port Huron	43.20	50.25	40.79	44.75	3	*g* 72	29	60.67	26	24	6	31.00	6.3
INDIANA—													
Cannelton	52.14	62.62	55.12	56.63	10	76	30	70.84	27	36	23	44.23	5.2
Evansville	55.04	62.37	59.23	58.88	30	75	30	72.16	27	35	25	46.17	5.6
Logansport	45.87	61.07	51.20	52.71	3	*d* 80	29	70.67	25	31	25	39.33	6.2
Madison	49.63	59.30	51.60	53.51	29	78	30	70.33	26	*h* 36	26	40.33	5.8
Michigan City	45.40	53.92	45.29	48.20	29	83	29	72.16	6	27	6	34.33	6.0
New Harmony	52.07	65.10	55.27	57.48	30	81	30	72.67	24	38	14	*h* 45.00	6.1
Richmond, [Austin] (*i*)	45.83	58.33	------	52.08	30	78	30	72.00	6	30	26	*b* 41.00	?
Richmond, [Moore]	46.84	57.17	50.47	51.49	30	75	30	67.50	6	31	25	37.83	6.6
ILLINOIS—													
Athens	47.30	59.83	48.20	51.78	29	84	29	70.00	6	29	24	39.00	6.2
Augusta	45.20	58.47	50.47	51.38	29	81	29	71.33	6	27	13	*j* 37.00	5.2
Aurora	43.03	54.70	44.23	47.32	29	79	29	69.33	25	29	6	35.00	6.0
Batavia	40.16	54.96	42.36	45.83	29	82	29	70.00	6	26	6	32.67	6.5
Brighton	46.03	60.63	54.27	53.64	30	81	30	74.67	24	30	25	37.00	6.0
Edgington	42.07	56.20	45.80	48.02	3	*d* 78	29	70.00	6	25	6	34.00	6.1
Edgar County (*k*)	44.37	------	------	44.37	---	------	---	------	---	------	---	------	----
Elgin	41.13	52.86	42.83	45.61	29	78	29	70.00	26	22	6	32.33	7.2
Evanston (*l*)	43.48	55.62	43.00	47.37	30	76	29	69.33	24	*j* 30	25	32.33	6.9
Hillsborough	------	------	------	------	---	------	---	------	---	------	---	------	5.7
Jacksonville	50.67	59.53	54.27	54.82	29	84	30	75.33	6	26	13	39.00	----
Manchester (*m*)	48.07	61.73	45.53	51.78	29	82	29	73.00	6	30	13	38 33	5.7
Marengo	42.40	52.40	42.23	45.68	29	82	3	66.00	5	*n* 26	5	*n* 32.67	7.0
Ottawa	45.43	54.50	45.50	48.48	29	80	29	71.67	6	30	6	34.33	6.1
Pekin	45.93	54.59	48.03	49.52	29	81	29	70.33	6	30	6	37.67	5.7
Peoria	46.97	60.45	49.92	52.45	29	87	29	74.46	6	30	5	37.25	5.6
Riley	39.97	51.04	40.36	43.79	8	69	27	57.00	5	*n* 25	5	27.33	5.5
South Pass	52.27	66.87	55.90	58.35	22	84	2	70.67	24	37	13	41.33	5.6
Warsaw	44.90	61.17	49.20	51.76	30	84	29	72.67	6	30	6	*j* 36.67	----
Waynesville	42.26	59.62	53.10	51.66	3	*o* 78	29	69.00	26	25	25	37.00	5.6
West Salem	51.97	67.23	54.83	58.01	30	86	30	75.00	13	*p* 38	26	43.67	5.7
West Urbana	46.63	58.93	51.57	52.38	29	80	29	69.67	5	32	5	38.67	5.7
Wheaton	41.75	51.31	43.63	45.56	3	73	29	66.23	6	29	6	32.07	6.6
Winnebago	40.51	54.57	42.78	45.95	29	80	29	69.67	6	27	6	33.50	6.0
MISSOURI—													
St. Louis	51.70	65.50	55.90	57.70	29	*q* 84	30	75.17	13	35	13	40.00	5.6
Springfield (*r*)	47.47	62.93	53.83	54.74	2	*s* 76	30	67.67	12	34	13	39.00	?
WISCONSIN—													
Appleton	38.30	48.53	41.43	42.89	29	74	29	68.00	5	25	24	30.00	5.8
Bay City	34.20	38.60	33.30	35.37	30	48	29	46.33	5	20	5	25.33	4.9
Beloit	40.56	53.60	43.16	45.77	29	84	29	70.00	5	27	5	32.00	5.4
Green Bay (*t*)	36.95	47.21	40 42	41.53	29	76	29	65.00	5	24	23	30.67	7.2
Janesville	41.10	53.87	44.17	46.38	29	82	29	69.50	5	26	5	33.33	6.6

a Same temperature on the 9th.
b Same temperature on the 28th.
c Same temperature on the 24th.
d Same temperature on the 2d.
e Observations taken at 7 a. m., 1 p. m., and 9 p. m.
f Same temperature on the 24th and 25th.
g Same temperature on the 22d and 29th.
h Same temperature on the 27th.
i Observations taken at 6 a. m., and 1 p. m.
j Same temperature on the 25th.
k Observations taken at sunrise.
l Observations interrupted from the 3d to the 11th, inclusive.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Same temperature on the 6th.
o Same temperature on the 29th and 30th.
p Same temperature on the 23d.
q Same temperature on the 30th.
r Observations taken at sunrise, 3 p. m., and 9 p. m.
s Same temperature on the 3d, 9th, 28th, and 30th.
t For the last 19 days of the month.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
WISCONSIN—Continued.	°	°	°	°		°		°		°		°	
Kenosha	40.62	47.76	42.00	43.46	29	80	29	69.67	5	30	24	33.17	5.8
Madison, [Sterling]	39.26	48.75	42.92	43.64	29	77	29	68.33	5	25	5	30.67	7.2
Manitowoc	38.00	47.40	41.17	42.19	29	72	29	62.67	5	*a* 28	6	31.33	6.9
Milwaukee, [Pomeroy]	38.60	45.43	39.37	41.13	29	80	29	68.00	5	*b* 28	6	29.67	7.3
Milwaukee, [Winkler]	39.13	45.72	39.68	41.51	29	76	29	68.33	24	28	6	30.50	5.9
Mount Morris	38.46	48.16	39.43	42.02	3	74	29	68.00	5	*a* 22	5	29.00	7.6
New Danemora (*c*)	35 57	49.75	47.45	44.25	29	80.5	29	76.67	6	19	5	27.84	----
New London	35.36	47.70	38.26	40.44	29	78	29	71.00	7	20	6	27.00	5.9
Platteville	40.10	53.50	42.87	45.49	29	85	29	73.00	5	22	5	28.67	6.2
Racine	40.00	44.09	38.89	40.99	29	66	29	63.00	24	*a* 27	25	31.00	5.4
Waukesha	39.33	52.30	43.77	45.13	29	80	29	70.00	5	27	5	31.67	7.3
IOWA—													
Bellevue	39.10	54.27	44.27	45.88	29	81	29	70.33	5	*b* 26	5	32.33	6.4
Border Plains	41.03	54.27	45.73	47.01	29	83	29	73.00	5	20	5	29.00	7.0
Davenport	42.93	54.79	43.37	47.03	28	80	28	70.67	6	22	5	33.00	5.7
Dubuque	43.47	52.00	44.97	46.81	29	80	29	73.00	5	27	5	32.00	6.2
Fairfield	45.90	56.79	46.50	49.73	3	80	29	70.33	6	30	25	34.67	6.6
Fort Madison (*d*)	43.13	56.74	50.16	50.01	29	80	29	71.67	6	24	25	36.67	5.2
Franklin	41.67	54.87	43.53	46.69	29	82	29	72.00	5	24	5	29.00	5.7
Iowa City	44.48	53.35	45.76	47.86	29	75	29	69.16	6	29	5	33.67	6.2
Muscatine	41.17	56.03	41.43	46.21	29	78	29	69.67	6	24	5	34.33	5.2
Pleasant Plain	43.33	56.80	46.33	48.82	29	81	29	73.00	6	23	5	36.00	5.9
Poultney	38.08	51.15	39.18	42.80	3	76	2	55.00	5	22	5	27.33	6.6
Rossville	37.72	48.40	41.34	42.49	29	80	29	70.03	5	21	5	26.97	6.2
Sioux City	39.73	47.36	44.14	43.74	28	80	?	?	5	*b* 25	----	?	8.?
MINNESOTA—													
Buchanan (*e*)	32.73	48.17	32.27	37.72	21	78	21	59.75	5	*f* 20	5	25.75	----
Burlington	30.93	42.73	35.06	36.24	1	59	1	*g* 44.67	6	14	6	23.67	----
Hazlewood	36.47	45.70	38.70	40.29	28	74	28	65.00	5	16	5	19.00	5.7
Princeton	39.53	50.03	39.67	43.08	26	78	27	67.00	5	20	5	24.67	4.9
NEBRASKA—													
Bellevue	44.67	54.17	45.83	48.23	28	83	28	67.33	6	27	12	34.67	5.2
Elkham	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.9
Omaha	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.5
KANSAS—													
Burlingame	46.26	60.93	49.70	52.30	2	*h* 78	29	69.33	12	*i* 33	6	*j* 37.00	5.1
Cayuga	41.36	58.23	46.30	48.63	21	*k* 79	29	68.33	23	26	12	35.00	----
Lawrence	49.87	61.17	53.80	54.95	28	80	28	*k* 68.67	13	36	13	41.33	4.9
Leavenworth City, [Berthoud]	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.3
Leavenworth City, [McCarty]	49.03	59.21	49.93	52.72	2	79	29	70.33	6	*l* 34	6	36.00	5.9
Manhattan	45.60	62.93	49.00	52.51	28	87	28	73.67	14	30	14	29.67	5.4
Moneka	-- ----	-------	59.00	-------	22	*m* 70	----	-------	5	28	----	-------	3.0
Topeka	48.27	63.10	49.70	53.69	28	83	28	69.67	11	*j* 33	6	35.00	3.6
OREGON—													
Portland (*n*)	-------	------	-------	51.50	----	70	----	-------	----	31	----	-------	----
MEXICO—													
Cordova (*o*)	69.99	74.77	71.69	72.55	18	83.75	----	-------	28	*j* 66.20	----	-------	----
Minatitlan (*p*)	74.69	87.00	-------	80.85	19	94	19	86.00	28	71	28	77.00	----
Mirador (*q*)	64.99	80.67	67.86	71.17	----	------	----	79.81	----	-------	----	64.76	----
Vera Cruz (*r*)	74.90	-------	77.90	76 40	----	------	----	-------	----	-------	----	-------	----
CALIFORNIA—													
Marysville	54.06	74.00	60.93	63.00	24	89	24	75.33	9	40	9	52.00	2.8
Sacramento	55.20	64.43	59.77	59.80	24	81	24	74.00	9	46	8	52.00	2.2
San Francisco	52.83	63.40	52.63	56.29	24	81	23	67.00	9	47	8	49.67	2.3

a Same temperature on the 25th.
b Same temperature on the 6th.
c Observations taken at 6 a. m., noon, and 6 p. m.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Observations taken at 7 a. m., noon, 3 and 9 p. m.; mean at 3 p. m., 46.93.
f Same temperature on the 23d.
g Same temperature on the 2d.
h Same temperature on the 21st and 28th.
i Same temperature on the 13th.
j Same temperature on the 12th.
k Same temperature on the 29th.
l Same temperature on the 12th and 13th.
m Same temperature on the 30th.
n Observations taken at 6 a. m., 12 m., and 6 p. m.
o Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m.; mean at 12 m. 72.50, and at 6 p. m. 73.80.
p For the last 13 days only; observations taken at 7 a. m and 3 p. m.
q Observations taken at 7 a. m., 2 and 8 p. m.
r Observations taken at 6 to 8 a. m. and at 9 to 11 p. m.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
West Indies—													
Nassau, Bahamas (*a*)	-------	-------	-------	78. 61	----	------	21	*b*82. 50	----	-------	3	73. 00	----
St. George's, Bermuda (*c*)	-------	-------	-------	64. 5	----	------	----	-------	----	-------	----	--------	----
Central America—													
Guatemala (*d*)	55. 40	77. 72	63. 14	69. 08	?	89. 6	----	-------	?	46. 9	----	--------	----
South America—													
Catharina Sophia, Surinam (*e*)	76. 00	85. 20	79. 90	80. 37	16	*f*88	16	82. 00	11	72	11	*g*77. 33	6. 0

a Mean obtained from daily maximum and minimum.
b Same temperature on the 23d.
c Observations taken at 3½ and 9½ a. m., and 3½ and 9 p. m.
d Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m.; mean at 9 a. m., 69.62; mean at noon, 79.52.
e Observations taken at 6 a. m., 2 p. m., and 6 p. m.
f Same temperature on the 17th.
g Same temperature on the 18th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	-------	-------	-------	47.40	29	75	29	66.50	*b*11	30	10	32.50	----
Hamilton (*c*)	51.74	-------	50.62	51.18	23	*d* 68	31	64.00	11	40	17	42.00	----
Montreal	50.86	59.36	50.88	53.70	31	77	31	70.80	11	40	2	43.83	4.1
Moose Factory (*e*)	-------	-------	-------	39.50	----	------	----	-------	----	-------	----	-------	----
Red River Settlement	43.53	54.70	40.92	46.38	4	*f* 74	----	?	12	25	14	30.00	?4.3
Rigolet (*g*)	29.68	-------	33.00	31.34	29	46	29	39.00	4	20 *h*	4	24.00	----
St. John's	40.77	45.71	40.19	42.22	2	*b* 60	2	53.33	3	30 *i*	3	32.67	----
St. Martin	45.54	62.61	50.79	52.98	31	80	31	66.60	3	29	2	37.90	4.9
Stanbridge	48.58	58.26	49.16	52.00	31	78	31	70.00	3	33	2	39.00	5.4
Toronto (*j*)	45.86	53.31	47.15	48.94	9	66	6	57.15	2	35	17	40.92	6.9
Windsor	42.60	54.30	44.80	47.23	31	76	31	58.80	3	33	3	37.20	5.7
Wolfville	45.11	53.42	45.80	48.11	31	72	31	60.70	3	35	3	38.57	5.2
MAINE—													
Cornish, [Guptill]	46.80	58.58	47.41	50.93	31	72	31	60.67	3	38	20	*k* 41.33	5.0
Cornish, [West]	46.90	58.30	46.77	50.66	31	72	31	61.00	3	38 *l*	20	39.67	5.0
Dexter	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	4.9
Gardiner	48.48	59.45	47.43	51.79	31	70	31	70.00	3	38	3	31.00	5.3
Perry	43.63	55.31	44.18	47.71	31	76	31	61.50	3	32	17	40.50	4.8
Portland	47.95	54.88	47.66	50.16	31	67	31	57.16	3	39	21	42.33	6.0
Steuben	46.35	55.74	45.06	49.05	5	72	5	58.00	22	33	7	23.33	5.7
NEW HAMPSHIRE—													
Concord	48.79	61.33	48.83	52.98	31	75	7	61.00	4	38	18	42.33	5.9
Francestown, [Bixby]	48.82	58.32	49.00	52.05	31	73	31	63.00	18	37	18	40.83	5.5
Shelburne	48.19	64.84	48.03	53.69	31	82	31	64.00	5	38	20	42.67	5.1
Stratford	44.23	57.90	45.03	49.05	31	79	31	62.33	2	34 *m*	2	38.67	5.2
West Enfield	47.45	57.74	47.71	50.97	31	72	31	63.33	3	34	17	41.00	5.8
VERMONT—													
Brandon	46.70	58.77	49.37	51.61	31	76	31	64.67	3	32	3	*n* 39.67	5.6
Burlington	48.68	57.27	49.82	51.92	31	75	31	67.33	3	36	2	39.83	5.3
Craftsbury	44.61	56.77	48.03	49.80	31	73	31	63.00	3	33	2	38.00	5.1
Rupert	47.94	65.35	60.71	58.00	7	82	8	74.00	3	28	17	40.00	6.9
St. Johnsbury	45.39	58.42	46.77	50.19	31	77	31	61.00	2	33 *n*	2	40.33	5.1
MASSACHUSETTS—													
Amherst	49.40	61.38	51.82	54.20	31	74	1	61.10	18	40	17	*o* 44.60	6.4
Bridgewater (*p*)	48.90	57.83	51.05	52.59	31	70	24	63.33	18	41	18	43.17	5.9
Cambridge	48.78	59.58	49.52	52.63	24	71	24	61.67	3	38 *q*	18	44.33	6.1
Florida	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	7.4
Lawrence	47.03	60.00	49.00	52.01	31	73	24	61.00	3	36	19	43.33	5.7
Mendon	49.58	58.06	50.26	52.63	31	70	31	62.67	18	40	18	42.00	6.1
Nantucket	50.10	54.08	47.89	50.69	14	63	12	*r* 55.83	3	41	3	43.83	6.1
New Bedford	49.53	57.81	49.07	52.14	13	65	15	58.00	3	41	3	44.80	6.9
Newburyport (*s*)	49.94	59.06	49.14	52.71	15	72	----	?	3	41	----	?	?
Richmond	47.32	62.52	54.00	54.61	29	73	28	64.00	3	35	3	43.67	7.2
Westfield	48.07	60.55	51.03	53.22	15	71 *d*	1	61.67	21	37	17	*o* 42.67	6.7
Williamstown (*t*)	47.48	58.00	50.67	52.05	15	68	9	59.50	18	39	17	41.70	6.7
Worcester	49.41	59.46	51.96	53.61	31	73	15	64.00	17	41 *o*	18	43.00	6.2
RHODE ISLAND—													
Providence (*u*)	49.60	60.70	49.80	53.37	24	75	24	64.00	3	41	18	45.00	5.8
CONNECTICUT—													
Columbia	49.23	61.35	49.23	53.27	15	74	1	*v* 62.67	16	40 *w*	18	40.00	6.5
New London	51.10	60.55	52.77	54.81	24	70	8	61.33	23	39	23	44.33	6.4
Pomfret	47.62	59.03	48.74	51.80	31	70	24	60.00	3	39 *o*	3	40.00	6.1

a Register thermometer.
b Same temperature on the 10th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 31st.
e Observations taken at sunrise, 2 p. m., and 10 p. m.
f Same temperature on the 26th.
g Observations at sunrise and sunset.
h Same temperature on the 8th.
i Same temperature on the 5th, 7th, and 23d.
j Observations taken at 6 a. m., 2 p. m., and 10 p. m.
k Same temperature on the 21st.
l Same temperature on the 20th and 21st.
m Same temperature on the 3d.
n Same temperature on the 17th.
o Same temperature on the 18th.
p Observations taken at 7 a. m., 2 p. m., and 7 p. m.
q Same temperature on the 4th.
r Same temperature on the 13th.
s Incomplete.
t For the last 26 days of the month.
u Observations taken at 6 a. m., 1 p. m., and 10 p. m.
v Same temperature on the 15th.
w Same temperature on the 18th and 30th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Saybrook	49.19	57.00	50.45	52.21	31	66	24	59.00	3	42	18	46.33	6.6
Wallingford	48.48	60.71	50.29	53.16	24	73	15	61.83	3	40 *a*	18	45.17	6.3
NEW YORK—													
Bellport	51.90	56.77	50.39	53.02	13	*b* 68	25	62.33	2	43	18	48.00	5.9
Buffalo (*c*)	50.81	55.03	52.16	52.67	29	68	28	60.00	2	40	12	43.67	6.3
Canton	49.52	61.65	51.42	54.20	31	86	31	71.33	3	34	2	42 00	5.7
Clinton	50.55	61.29	51.00	54.28	9	80	31	68.67	2	41	17	44.00	7.4
Fishkill Landing	51.61	62.10	53.52	55.74	15	75	15	65.67	17	40	18	47.00	6.1
Flatbush	51.12	58.67	51.49	53.76	24	77	24	67.30	3	44 *a*	3	47.20	7.4
Fort Edward	49.77	59.48	51.81	53.69	31	76	31	66.33	17	35	17	39.33	6.4
Houseville	47.62	55.65	48.21	50.49	8	*d* 74	31	65.33	2	35	2	38.00	6.6
Nichols	49.94	62.32	50.65	54.30	9	77	9	66.00	3	34	16	44.33	7.5
Rochester	49.71	60.71	53.26	54.56	31	81	31	69.67	2	40 *e*	2	44.67	5.3
Sag Harbor (*f*)	52.10	65.37	50.57	56.01	24	78	24	64.67	28	46 *g*	....	?	6.2
Waterford	51.50	61.93	53.58	55.67	31	76	31	67.33	2	42 *h*	17	44.33	6.4
NEW JERSEY—													
Bloomfield	51.39	61.76	53.29	55.48	24	78	24	67.00	3	43	27	48.67	6.7
Freehold (*i*)	51.58	60.74	53.44	55.25	23	73	....	?	15	43	....	?	....
Lambertville	52.12	63.88	53.10	56.37	24	79	....	.....	23	37	....	.....	....
Newark (*j*)	.....	.....	.....	54.82	24	76	24	67.12	3	40	27	47.75	....
PENNSYLVANIA—													
Bedford (*k*)	54.77	65.55	56.00	58.77	8	82	....	?	12	48	....	?	?
Berwick	54.32	63.29	55.32	57.64	15	77	10	*b* 66.00	12	46 *l*	12	*m* 50.67	5.9
Cannonsburg	54.87	63.10	58.53	58.85	17	78	17	70.00	12	41	12	49.67	7.8
Easton	50.08	60.32	53.91	54.77	24	75	?	?	23	44	?	?	7.2
Fleming	52.35	63.48	53.80	56.54	9	78	24	66.33	16	44 *n*	12	48.00	7.3
Gettysburg	55.52	63.29	58.19	59.00	1	79	1	68.67	29	43	29	48.67	6.3
Harrisburg, [Heisely]	56.23	65.37	60.48	60.69	15	79	24	73.00	29	50	29	53.67	6.8
Harrisburg, [Hickok]	53.63	62.42	56.76	57.60	15	74	24	69.50	4	48 *o*	21	52.17	7.3
Lewisburg	52.09	61.65	54.67	56.14	15	77	24	66.80	3	42	16	49.33	7.5
Meadville	51.03	63.39	52.87	55.76	17	83	17	65.33	16	39 *p*	20	45.33	7.0
Morrisville	52.61	63.06	54.35	56.67	24	75	24	68.67	3	45	29	51.33	6.2
Mount Joy	57.10	68.55	57.00	60.88	1	*q* 81	25	73.33	21	49 *r*	21	54.50	6.8
Murrysville	56.37	65.30	54.81	58.83	17	81	31	71.67	12	44	12	49.67	7.3
North Whitehall (*s*)	50.35	61.74	57.00	56.36	6	76	24	67.33	23	38	26	49.33	5.4
Norristown	53.09	60.93	54.40	56.14	24	78	24	69.30	4	46 *r*	27	49.30	7.4
Paradise	.....	.....	.....	63.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	55.26	64.79	57.87	59.31	1	78	24	71.33	29	48	27	51.30	7.0
Pittsburg, [Martin]	56.35	64.12	58.48	59.65	17	78	31	70.33	12	46	12	52.12	7.4
Pittsburg, [Wilson]	54.35	63.74	56.80	58.30	17	80	31	68.67	12	41	12	48.67	....
Pocopson	54.58	61.97	55.06	57.20	24	80	24	69.67	12	48 *r*	26	51.67	7.0
Shamokin (*t*)	48.78	58.58	55.64	54.33	24	75	24	68.00	3	27	29	45.00	7.1
Somerset	51.45	62.78	53.81	56.01	31	81	31	66.67	22	42	29	44.00	8.4
Tarentum	53.35	66.39	56.26	58.67	17	82	17	69.00	13	33	12	50.67	6.9
West Haverford	53.19	63.74	.....	58.47	1	*b* 74	1	*b* 71.00	3	45	27	49.00	6.5
Westtown	54.15	62.08	52.99	56.41	24	76	24	69.16	17	45	27	48.93	7.1
DELAWARE—													
Georgetown (*u*)	57.26	65.10	60.71	61.02	1	86	1	77.67	17	49	29	52.00	....
Milford (*v*)	60.35	65.35	61.61	62.44	24	85	1	75.33	29	50	....	?	?
MARYLAND—													
Annapolis	56.80	64.30	60.00	60.37	1	81	24	73.00	29	49	29	51.50	6.1
Baltimore	57.05	64.13	59.32	60.17	1	83	1	71.50	29	48	29	50.00	7.8

a Same temperature on the 4th.
b Same temperature on the 24th.
c Observations taken at 8 a. m., 2 p. m., and 9 p. m.
d Same temperature on the 31st.
e Same temperature on the 16th.
f For the last 19 days of the month.
g Same temperature on the 29th and 30th.
h Same temperature on the 17th.
i Observations at 9 p. m. interrupted from the 9th to the 21st.
j Observations taken at 7 a. m. and 6 p. m.
k Observations interrupted from the 16th to the 25th, inclusive.
l Same temperature on the 14th and 16th.
m Same temperature on the 14th.
n Same temperature on the 21st.
o Same temperature on the 21st and 29th.
p Same temperature on the 18th and 19th.
q Same temperature on the 15th.
r Same temperature on the 29th.
s Observations taken at sunrise, noon, and sunset.
t Observations taken in night, and at 7 a. m., 2 p. m., and 9 p. m. Mean at night, 43.23.
u Observations taken at 8 a. m. and 1 and 6 p. m.
v Incomplete.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG	WARMEST DAY.			LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Bladensburg (*a*)	57.41?	68.12?	56.00?	60.51?	1	86	----	?	2	*b* 47	----	?	7.4
Chestertown	55.79	64.48	56.21	58.83	1	83	1	70.80	29	46	29	49.33	7.1
Frederick	57.20	64.17	57.42	59.60	1	79	1	70.00	29	48	29	49.67	6.8
Oakland	52.19	58.07	50.45	53.57	31	80	24	68.33	13	37	21	41.00	----
Sykesville	56.65	65.97	56.71	59.78	1	81	1	71.67	29	46	29	48.00	6.4
DISTRICT OF COLUMBIA—													
Washington	57.93	65.24	59.50	60.89	1	83	24	72.00	29	49	29	51.00	6.9
VIRGINIA—													
Alexandria	59.97	69.03	61.32	63.47	1	85	1	74.67	3	52	27	56.70	7.1
Buffalo	62.81	74.55	63.19	66.85	7	*c* 92	17	82.67	2	*d* 50	11	55.00	4.4
Crichton's Store (*e*)	61.79	73.80	70.17	68.59	1	90	1	81.67	4	49	4	53.67	5.8
Hartwood	57.81	67.94	58.52	61.42	15	86	1	78.00	29	45	29	49.67	----
Kanawha	58.35	69.50	61.16	63.00	31	84	24	73.33	22	48	21	54.67	6.3
Meadow Dale	50.19	61.90	56.65	56.25	1	76	1	69.67	12	*f* 38	12	42.67	----
Montross	58.61	68.32	59.71	62.21	1	86	24	76.33	29	50	29	52.00	6.9
Mossy Creek	55.51	66.10	53.84	58.48	15	85	15	71.67	21	40	29	46.00	7.2
Poplar Grove	58.69	72.77	59.77	63.74	14	90	14	76.00	22	46	12	55.00	6.9
Portsmouth	61.16	72.90	60.48	64.85	18	94	25	79.00	3	49	3	54.67	4.3
Rose Hill (*a*)	59.15	66.84	62.61	62.87	14	81	----	?	4	53	----	?	6.7
Rougemont	59.61	72.96	61.43	64.67	1	92	1	80.33	4	50	29	53.00	7.4
Ruthven	60.00	72.22	59.10	63.77	1	88	25	76.33	3	*g* 50	3	53.67	4.3
Smithfield	59.80	71.30	62.70	64.60	18	88	18	75.00	14	52	3	55.50	6.3
Winchester	57.13	65.26	60.29	60.89	1	82	1	71.33	5	*h* 50	29	51.33	6.1
Wirt Court-House	56.23	69.84	58.81	61.63	31	86	31	75.00	22	40	17	49.00	6.2
NORTH CAROLINA—													
Ashville (*i*)	57.80	65.75	59.89	61.15	1	*j* 78	----	?	4	*f* 48	----	?	----
Chapel Hill	62.29	77.26	64.48	68.01	15	*k* 90	25	78.00	4	52	29	56.67	5.6
Davidson College	62.47	74.05	67.27	67.93	16	85	26	77.00	22	49	----	?	4.2
Gaston	59.58	75.32	61.81	65.57	18	90	25	78.00	4	42	4	52.00	----
Marlborough	62.42	77.86	64.30	68.19	26	89	1	*l* 76.67	4	52	3	58.00	5.1
Murfreesborough	62.03	73.27	64.38	66.56	1	88	25	78.67	4	51	28	57.33	4.3
SOUTH CAROLINA—													
Aiken	64.13	81.93	67.14	71.07	16	94	16	*m* 80.00	11	50	11	60.33	3.3
All Saints	67.71	77.26	70.19	71.72	16	87	25	80 33	13	61	3	64.00	3.7
Charleston, [Dawson]	69.32	77.58	72.00	72.97	----	84	----	-------	----	62	----	-------	----
Charleston, [Johnson]	69.32	77.58	72.00	72.97	26	*n* 84	26	79.67	7	*o* 62	12	68.67	----
Columbia	64.58	80.81	72.74	72.71	25	92	25	82.00	12	54	6	63.67	4.3
St. John's	67.04	84.87	63.92	71.94	27	93	25	80.67	13	54	----	?	4.3
GEORGIA—													
Athens	64.13	75.75	66.50	68.79	16	87	16	77.13	11	55	29	58.07	4.4
Hillsborough	64.40	80.70	70.30	71.80	16	91	16	79.83	6	55	11	60.27	4.3
Savannah	69.30	82.40	72.50	74.73	25	90	26	81.40	7	61	3	68.90	3.6
Sparta	62.64	82.39	70.42	71.82	31	90	31	80.33	12	51	12	61.67	3.6
Whitemarsh Island	71.16	79.10	71.90	74.05	26	*n* 86	27	80.33	7	64	3	70.00	3.2
Zebulon	66.46	77.59	73.64	72.53	16	89	29	*p* 82 00	21	53	4	61.67	2.6
FLORIDA—													
Alachua County (*q*)	64.97	86.57	72.55	74.70	30	95	30	81.67	12	56	7	67.33	2.8
Alligator	70.81	89.32	68.03	76.05	16	*r* 95	18	*p* 84 67	9	*s* 60	7	69.33	3.5
Atsena	74.29	76.71	76.16	75.72	21	*t* 88	31	82.33	12	62	12	67.67	1.5
Belair	70.45	86.03	77.35	77.94	30	*p* 94	30	86.00	11	59	4	73.00	?
Jacksonville	73.16	82.70	72.80	76.22	20	91	20	*u* 81.67	7	66	7	71.33	3.2
St. Augustine	74.35	79.52	74.35	76.07	26	95	26	85.33	13	68	12	71.67	2.8
Salt Ponds	77.61	82.87	-------	80.24	11	*v* 88	31	84.00	6	*w* 74	6	*j* 76.00	4.6

a Incomplete.
b Same temperature on the 28th.
c Same temperature on the 8th.
d Same temperature on the 5th and 11th.
e Observations taken at 7 a. m., noon, and 6 p. m.
f Same temperature on the 13th.
g Same temperature on the 4th.
h Same temperature on the 22d and 29th.
i For the first 22 days of the month.
j Same temperature on the 16th.
k Same temperature on the 18th.
l Same temperature on the 15th.
m Same temperature on the 24th.
n Same temperature on the 27th.
o Same temperature on the 12th.
p Same temperature on the 31st.
q Observations taken at 5 a. m., 2 p. m., and 7 p. m.
r Same temperature on the 18th and 20th.
s Same temperature on the 10th.
t Same temperature on the 22d.
u Same temperature on the 26th.
v Same temperature on the 25th.
w Same temperature on the 9th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
ALABAMA—	°	°	°	°		°		°		°		°	
Carlowville	61.94	82.92	66.31	70.39	16	*a* 92	31	83.67	26	55	28	63.00	2.5
Greene Springs	64.05	80.95	66.51	70.50	27	90	30	82.00	12	49	6	59.17	3.8
Greensborough	65.00	79.02	68.56	70.86	16	88	30	79.67	11	53	6	61.17	3.5
Selma	66.90	82.45	69.42	72.92	27	91	26	81.00	11	56	11	61.67	4.9
MISSISSIPPI—													
Columbus	66.16	79.84	68.07	71.36	27	90	30	81.17	11	54	11	60.47	3.6
Natchez	69.16	80.39	74.42	74.66	31	88	30	82.20	11	51	11	63.33	----
Paulding	69.62	85.68	75.80	77.03	30	95	30	86.80	11	55	11	65.30	4.2
LOUISIANA—													
Black River	71.55	82.87	74.42	76.28	31	91	29	*b* 84.33	11	61	10	66.67	4.2
New Orleans (*c*)	78.74	83.16	87.26	83.05	18	94	31	89.33	1	68	11	74.33	----
TEXAS—													
Austin, [Swante Palm]	70.65	83.42	71.71	75.26	29	94	29	85.00	9	55	2	61.67	4.4
Austin, [Van Nostrand]	69.04	81.37	73.63	74.68	28	*d* 91	28	83.00	9	55	2	62.10	4.9
Goliad	71.61	81.67	73.23	75.50	25	*e* 86	27	*f* 81.33	10	57	10	64.67	4.8
Larissa	66.72	80.71	70.30	72.58	31	92	29	84.00	11	52	11	61.00	4.1
New Braunfels	66.13	84.23	71.26	73.87	26	*d* 97	25	83.67	10	50	1	61.00	4.3
Union Hill	62.71	74.42	63.97	67.00	26	90	26	75.67	3	*g* 58	10	61.00	5.4
Washington	71.50	84.56	70.50	75.52	26	*h* 94	29	84.33	10	56	----	?	4.6
TENNESSEE—													
Glenwood	60.93	72.23	63.62	65.59	30	85	30	77.70	11	45	11	52.93	6.8
Memphis	65.45	74.58	67.61	69.21	30	88	30	81.33	10	51	11	55.67	5.2
KENTUCKY—													
Bardstown	61.76	72.93	62.38	65.69	28	89	14	79.83	11	46	11	46.83	5.9
Louisville (*i*)	58.52	69.90	62.77	63.73	14	85	14	73.67	12	43	11	50.33	6.0
Millersburg	60.00	69.90	63.87	64.59	15	84	15	77.33	21	42	11	47.33	5.4
Nolin	60.88	76.21	59.09	65.39	23	87	24	76.20	10	*j* 40	11	45.80	4.0
Paris	58.52	70.00	60.13	62.88	14	*k* 82	15	74.67	11	45	11	49.00	6.4
Springdale	54.60	73.58	64.15	64.11	14	88	14	77.00	21	36	11	47.00	6.2
OHIO—													
Bellefontaine	54.24	66.63	55.06	58.64	23	83	23	72.33	17	41	3	42.80	7.3
Bowling Green	53.05	63.11	55.87	57.34	30	79	30	70.80	2	40	1	42.20	6.4
Cincinnati, [Harper]	59.48	71.48	61.90	64.29	23	87	23	*f* 75.67	11	44	11	49.67	6.3
Cincinnati, [Hurtt]	57.10	70.94	58.55	62.20	23	*l* 87	31	76.67	11	38	11	46.33	4.5
Cleveland	54.66	61.29	53.31	56.42	30	78	30	70.50	18	42	20	44.33	----
Cleveland, (near)	------	------	------	60.00	----	------	----	------	----	------	----	------	----
Collingwood	?	?	?	------	31	74	----	?	5	*j* 42	----	?	----
Dayton	53.82	67.10	54.72	------	23	84	30	73.17	11	41	1	48.13	7.3
Edinburg	51.81	62.39	51.19	55.13	30	79	30	67.33	18	38	1	41.00	7.3
Hillsborough	54.95	64.42	57.97	59.11	23	80	23	73.00	11	40	16	45.50	5.9
Hiram	53.39	61.35	53.35	56.03	30	75	23	67.00	1	38	1	41.33	7.8
Jackson, (Jackson county)	58.42	71.17	59.58	63.06	23	86	31	77.67	11	*m* 46	10	52.33	5.6
Jackson, (Monroe county)	57.92	66.71	57.40	60.68	30	81	31	72.67	1	44	10	51.00	7.6
Jefferson	59.55	63.10	56.52	59.72	20	*n* 68	21	*o* 66.00	19	42	12	50.00	10.0
Lancaster	54.61	66.45	56.19	59.08	30	82	30	71.73	16	41	10	*p* 45.67	5.9
Madison, [Atkins]	55.48	60.93	52.77	56.39	30	85	30	73.33	1	41	1	45.00	7.2
Madison, [King]	52.63	60.19	50.29	54.37	30	80	31	70.00	18	39	1	42.67	6.9
Medina	52.27	62.82	53.79	56.29	30	76	30	69.67	2	32	13	30.63	7.4
Mount Union	55.55	65.86	54.35	58.59	17	82	30	71.00	18	38	1	44.67	6.3
New Lisbon	58.09	72.25	60.00	63.45	17	86	30	72.33	19	40	1	53.33	5.1
Northwood	52.54	64.18	51.26	55.99	28	*f* 78	30	73.00	1	36	1	42.33	6.6
Portsmouth (*q*)	59.90	70.42	63.68	64.67	14	84	31	75.00	11	48	16	53.67	6.7
Ripley	56.94	------	61.06	59.00	----	?	----	------	11	*r* 44	----	?	6.7
Savannah	54.39	66.45	54.19	58.34	30	84	30	71.33	1	37	1	41.00	7.7

a Same temperature on the 17th and 31st.
b Same temperature on the 30th and 31st.
c Observations taken at 9 a. m., noon, and 3 p. m.
d Same temperature on the 29th.
e Same temperature on the 26th, 27th, 29th, and 30th.
f Same temperature on the 30th.
g Same temperature on the 10th and 11th.
h Same temperature on the 28th.
i Observations taken at 7 a. m., 3 p. m., and 9 p. m.
j Same temperature on the 11th.
k Same temperature on the 23d.
l Same temperature on the 27th.
m Same temperature on the 12th.
n Same temperature on the 21st, 22d, 28th, and 31st.
o Same temperature on the 22d and 28th.
p Same temperature on the 16th.
q Observations taken at 7 a. m., ½ p. m., and 9 p. m.
r Same temperature on the 21st.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp	Date.	Temp.	a c	Mean temp.	
Ohio—Continued.	°	°	°	°		°		°		°		°	
Urbana	54.03	67.74	54.78	58.85	23	83	30	75.67	16	40	1	43.67	7.3
Welchfield	53.65	63.58	51.41	56.21	30	80	30	68.67	1	38	1	41.67	6.8
Westerville	54.39	65.24	56. 9	58.87	23	80	23	72.00	16	41	1	45.67	7.7
Windham	50.61	61.45	53.16	55.07	18	76	31	64.67	20	38	18	45.67	----
Michigan—													
Battle Creek	52.19	61.63	52.23	55.15	8	*a* 76	30	68.33	11	39	11	40.67	5.7
Cooper	49.32	54.90	45.68	49.97	29	78	29	*b* 64.67	19	30	19	36.60	7.4
Detroit	52.58	60.96	51.58	55.04	23	79	30	73.33	2	*c* 38	11	42.00	6.3
Grand Rapids, [Streng]	48.96	64.19	52.00	55.05	27	78	30	67.67	11	38	11	33.33	6.5
Marquette	42.75	50.03	41.32	44.70	28	68	28	60.57	10	28	1	33.70	5.2
Monroe	----	----	----	----	----	----	----	----	----	----	----	----	6.6
New Buffalo (*d*)	53.13	59.87	50.61	54.54	28	74	30	69.67	1	35	----	?	7.5
Port Huron	51.12	56.32	47.57	51.67	8	77	31	63.00	20	35	1	42.33	7.3
Indiana—													
Cannelton	60.61	69.50	62.49	64.20	27	81	23	74.47	11	44	11	45.80	5.5
Evansville	62.68	68.77	65.74	65.73	23	81	27	76.08	11	52	11	53.92	6.4
Logansport	52.97	64.94	57.29	58.40	14	87	14	78.67	12	40	11	43.33	6.7
Madison	58.00	65.26	58.58	60.61	14	78	30	72.33	11	44	11	46.67	6.2
Michigan City	52.23	59.65	51.60	54.49	28	76	28	69.50	9	38	11	39.00	6.7
New Harmony	60.40	70.90	62.20	64.50	14	87	30	77.00	5	32	11	47.67	6.9
Richmond, [Austin] (*e*)	52.86	65.27	-------	59.06	14	80	28	68.00	21	39	16	46.00	8.6
Richmond, [Moore]	54.48	64.02	56.34	58.28	14	81	30	72.50	2	40	16	44.50	7.0
Illinois—													
Athens	56.41	66.74	55.67	59.61	27	87	23	75.00	16	42	1	47.00	7.5
Augusta	53.74	62.93	56.90	57.86	27	83	27	74.33	16	40	15	46.00	6.3
Aurora	52.48	62.94	51.90	55.77	28	83	28	69.67	1	*f* 39	1	41.33	7.3
Batavia	50.00	62.23	50.15	54.13	29	86	28	70.00	1	36	1	39.67	7.8
Brighton	58.00	74.52	66.32	66.28	31	*g* 88	30	79.33	12	*h* 42	2	51.33	6.3
Edgar County (*e*)	53.61	----	----	----	----	----	----	----	----	----	----	----	----
Edgington	53.13	62.39	54.84	56.79	29	79	27	*j* 68.67	2	38	2	43.33	7.6
Elgin	51.55	62.00	52.03	55.19	28	79	28	*a* 68.67	1	38	1	41.00	7.2
Jacksonville	56.87	67.03	61.42	61.77	27	85	27	80.11	16	42	1	48.00	----
Manchester (*d*)	55.74	64.77	56.26	58.92	23	84	27	*a* 73.00	15	*k* 43	2	46.00	6.9
Marengo	52.65	62.45	51.81	55.64	28	82	28	72.67	11	36	1	40.67	7.3
Ottawa	53.26	61.09	54.64	56.33	28	76	28	70.00	2	40	1	43.00	6.6
Pekin	53.61	64.19	54.87	57.56	23	82	23	71.00	1	40	1	43.33	7.4
Peoria	55.71?	66.03?	57.42?	59.72	27	88	27	76.25	1	40	1	44.75	6.9
Riley	48.17	59.62	48.55	52.11	28	78	28	71.33	23	36	2	40.33	5.7
South Pass	60.00	73.94	63.00	65.65	23	87	14	78.00	10	45	9	51.33	6.2
Warsaw	55.23	65.06	55.10	58.46	27	83	27	73.33	16	39	16	43.67	6.5
Waynesville	59.70	62.42	58.96	57.36	14	*l* 78	30	71.00	18	36	1	45.33	7.3
West Salem	60.10	72.94	60.74	64.59	14	90	30	78.00	11	42	11	47.33	6.0
West Urbana	55.00	62.60	56.40	58.00	8	79	27	71.33	11	38	11	45.00	7.4
Wheaton	50.94	59.83	51.72	54.16	28	78	28	68.97	1	38	1	40.59	7.6
Winnebago	50.95	64.51	53.33	56.26	29	80	28	70.16	2	*m* 40	1	42.50	6.7
Missouri—													
St. Louis	60.50	70.20	61.30	64.00	14	*l* 88	30	79.67	2	44	10	48.83	6.7
Wisconsin—													
Appleton	47.77	59.65	49.94	52.45	29	74	28	*j* 65.33	10	37	10	41.00	5.7
Bay City	44.52	50.71	42.26	45.83	30	78	30	63.33	9	30	9	36.67	5.7
Beloit	50.29	63.06	52.35	55.23	28	84	28	72.00	3	40	1	43.00	5.7
Green Bay	46.55	59.13	46.55	50.74	28	78	29	66.33	11	*n* 34	10	38.00	5.7
Janesville	51.13	62.68	53.00	55.60	27	*o* 80	28	69.67	1	*p* 40	1	42.67	7.5
Kenosha	48.55	54.35	49.72	50.87	31	72	31	63.33	11	37	11	40.33	6.0
Madison, [Sterling]	50.27	57.93	50.82	53.01	27	73	27	*o* 65.00	11	*k* 38	1	42.33	7.1
Manitowoc	47.19	55.77	48.26	50.41	31	71	14	1.00	2	*q* 38	1	40.67	7.0

a Same temperature on the 30th.
b Same temperature on the 30th and 31st.
c Same temperature on the 17th.
d Observations taken at 7 a. m., 1 p. m., and 9 p. m.
e Observations taken at 6 a. m. and 1 p. m.
f Same temperature on the 2d.
g Same temperature on the 26th.
h Same temperature on the 20th.
› Observations taken at sunrise for twenty five days only.
j Same temperature on the 29th.
k Same temperature on the 16th.
l Same temperature on the 27th.
m Same temperature on the 11th and 17th.
n Same temperature on the 15th, 16th, and 17th.
o Same temperature on the 28th.
p Same temperature on the 2d, 3d, and 11th.
q Same temperature on the 10th, 15th, and 16th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
Wisconsin—Continued.	°	°	°	°		°		°		°		°	
Milwaukee, [Lapham]	----	----	----	----	----	----	----	----	20	30	----	----	----
Milwaukee, [Pomeroy]	45.84	53.32	45.52	48.23	23	76	31	67.33	10	*a* 35	1	34.33	8.3
Milwaukee, [Winkler]	47.76	54.94	45.95	49.55	23	76	31	62.33	1	*b* 37	10	39.33	6.0
New Danemora (*c*)	46.34	61.40	54.97	54.24	28	83	27	76.67	11	36.5	17	44.67	----
New London	45.77	59.74	49.09	51.53	28	*d* 75	29	65.67	2	*e* 35	10	38.33	5.5
Platteville	52.13	64.22	54.61	56.99	28	87	28	75.00	11	40	13	40.67	6.6
Waukesha	50.52	61.26	50.58	54.12	29	90	29	80.67	2	37	1	42.00	7.1
Iowa—													
Bellevue	50.71	62.93	54.13	55.92	27	80	27	70.33	2	*a* 40	1	*f* 43.67	7.1
Border Plains	51.45	58.90	52.61	54.32	27	84	27	74.33	15	38	15	41.33	6.9
Dubuque	53.65	60.97	54.06	56.23	27	80	27	71.00	3	*g* 41	3	42.67	6.4
Fairfield	54.00	61.71	54.19	56.63	27	83	23	70.67	15	*h* 41	1	*i* 43.00	7.5
Fort Madison (*j*)	53.54	63.03	57.19	57.92	27	82	27	73.67	11	39	15	*i* 44.33	6.6
Franklin	51.32	61.13	53.35	55.27	27	84	27	74.00	17	39	3	43.67	6.9
Iowa City	52.69	61.60	54.54	56.28	27	77	27	71.67	15	40	2	41.67	7.1
Muscatine	53.55	62.77	53.94	56.75	27	81	27	71.67	9	32	1	43.67	5.0
Pleasant Plain	53.90	64.48	54.06	57.48	27	83	27	74.00	16	*g* 40	16	43.33	7.0
Rossville	48.81	58.55	48.75	52.04	27	80	27	70.03	17	36	3	39.57	6.2
Sioux City	49.66	61.79	50.97	54.14	26	85	26	72.67	6	34	3	40.50	7.5
Minnesota—													
Buchanan	42.71	61.16	41.77	48.55	5	88	2	*k* 37.33	2	30	31	58.33	----
Burlington	38.50	53.40	42.93	44.94	31	72	31	60.00	2	28	2	36.33	----
Hazlewood	48.68	59.65	50.97	53.10	27	78	27	69.67	14	37	14	40.67	5.4
Princeton	52.26	63.03	51.35	55.55	6	81	27	74.33	19	37	19	42.67	4.5
Wabashaw	53.26	64.04	52.61	56.64	27	82	27	76.00	1	*l* 40	1	40.67	4.5
Nebraska—													
Bellevue	52.26	60.71	53.52	55.50	27	86	26	74.67	16	35	2	41.00	6.2
Brownsville	57.07	67.93	55.22	60.07	27	95	27	77.33	10	*m* 40	15	45 00	4.9
Elkham	----	----	----	----	----	----	----	----	----	----	----	----	6.4
Omaha	----	----	----	----	----	----	----	----	----	----	----	----	5.8
Kansas—													
Burlingame	55.84	68.39	56.26	60.16	28	89	28	77.67	18	38	2	44.33	5.8
Lawrence	58.00	68.48	59.48	61.99	27	86	27	78.33	17	*n* 44	3	47.33	5.8
Leavenworth C'y. [Berthoud]	----	----	----	----	----	----	----	----	----	----	----	----	5.0
Leaven'th City, [McCarty] (*o*)	57.52	68.30	58.41	61.41	27	89	27	80.00	4	42	2	44.00	6.3
Manhattan	56.10	70.16	56.94	61.07	27	91	23	75.67	17	39	2	47.33	5.9
Mapleton	58.81	70.90	59.81	63.17	26	*p* 90	26	*q* 77.33	11	40	17	47.33	5.4
Topeka	57.23	71.90	57.55	62.23	26	*q* 94	27	80.33	15	40	15	46.00	4.5
Oregon—													
Portland (*r*)	----	----	----	55.58	----	85	----	----	----	40	----	----	----
Mexico—													
Cordova (*s*)	72.12	74.95	72.01	73.35	31	*t* 78.08	----	----	18	*u* 69.08	----	----	----
Minatitlan (*v*)	75.45	87.72	----	81.58	25	95	2	*w* 85.50	19	*x* 72	21	76.00	----
Mirador (*y*)	68.07	78.84	68.45	71.79	----	----	----	77.00	----	----	----	67.51	----
Vera Cruz (*z*)	83.65	----	80.87	82.26	----	----	----	----	----	----	----	----	----
California—													
Marysville	61.41	79.77	67.48	69.55	6	87	7	77.00	15	*aa* 56	21	61.00	2.5
Sacramento	60.87	70.61	67.32	66.27	31	80	7	74.00	1	55	15	59.00	1.9
San Francisco	55.78	65.32	53.74	58.28	5	*bb* 75	5	68.67	7	*cc* 49	12	53.00	2.7

a Same temperature on the 11th.
b Same temperature on the 10th and 16th.
c Observations taken at 6 a. m., noon, and 6 p. m.
d Same temperature on the 29th.
e Same temperature on the 10th, 11th, and 17th.
f Same temperature on the 3d.
g Same temperature on the 17th.
h Same temperature on the 16th and 17th.
i Same temperature on the 16th.
j Observations taken at 6 a. m , noon, and 7 p. m.
k Same temperature on the 3d and 4th.
l Same temperature on the 2d, 11th, 15th, 17th, and 19th.
m Same temperature on the 15th and 17th.
n Same temperature on the 18th.
o Observations interrupted from the 10th to the 19th.
p Same temperature on the 30th.
q Same temperature on the 27th.
r Observations taken at 6 a. m., 12 m., and 6 p. m.
s Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 74.17; mean at 6 p. m., 73.51.
t Same temperature on the 29th.
u Same temperature on the 12th.
v Observations taken at 7 a. m. and 3 p. m.
w Same temperature on the 7th and 25th.
x Same temperature on the 21st and 22d.
y Observations taken at 7 a m., 2 p. m., and 8 p. m.
z Observations taken at 7 a. m. to 9 a. m., and at 9 p. m. to 11 p. m.
aa Same temperature on the 16th and 21st.
bb Same temperature on the 6th.
cc Same temperature on the 8th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
West Indies—													
Nassau, Bahamas (*a*)	-------	-------	-------	81.53	----	------	27	86.00	----	-------	13	77.00	----
Central America—													
Guatemala (*c*)	59.36	74.84	64.04	69.01	?	86.9	----	-------	?	55.6	----	-------	----
South America—													
Catharina Sophia, Surinam (*d*)	75.20	84.60	79.90	79.90	15	90	3	82.00	4	*e* 73	29	76.67	5.6

a Mean obtained from daily maximum and minimum.
b Same temperature on the 28th and 29th.
c Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 70 16; mean at noon, 76.64.
d Observations taken at 6 a. m., 2 p. m., and 6 p. m.
e Same temperature on the 7th, 8th, 13th, 25th, and 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Fort Simpson (*a*)	.....	.....	.....	61.80	18	89	18	77.00	12	31	12	40.00	....
Hamilton (*b*)	71.93	.....	69.76	70.84	26	88	25	*c*84.59	12	*d* 51	11	*e* 52.00	....
Montreal	64.69	73.49	66.09	68.09	24	*f* 89	25	80.83	13	55	13	56.26	5.7
Moose Factory (*g*)	.....	.....	.....	52.10	....	.....	....	.....	....	.....	....	.....	....
Red River Settlement	55.67	68.78	59.46	61.30	30	90	30	78.83	1	*h* 41	1	46.33	5.2
Rigolet (*i*)	39.00	.....	46.27	42.63	25	71	25	64.50	5	28	5	34.00	....
St. John's	50.40	59.47	51.70	53.86	8	73	8	*j*65.00	22	39	23	44.67	....
St. Martin	61.16	77.17	64.64	67.66	26	97	26	85.90	12	51	13	55.50	4.9
Stanbridge	64.37	73.93	64.13	67.48	25	90	25	82.67	9	*k* 51	9	55.33	5.2
Toronto (*l*)	61.87	72.28	63.53	65.89	24	86	26	79.98	13	49	12	53.08	4.8
Windsor	56.63	68.55	57.68	60.95	8	85	7	72.30	13	44	13	46.80	6.4
MAINE—													
Cornish, [Guptill]	63.06	73.60	64.20	66.95	18	*f* 88	25	80.67	13	46	15	49.00	5.4
Cornish, [West]	62.16	72.50	62.26	65.64	28	86	24	78.33	13	46	15	48.00	5.3
Dexter	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.3
Gardiner	61.43	71.30	60.90	64.54	18	88	18	77.33	1	42	15	52.67	6.5
Perry	56.00	65.48	55.62	59.03	18	85	18	71.00	2	46	13	48.50	5.0
Portland	61.45	68.02	60.73	63.40	18	87	18	71.66	14	*m* 49	15	49.50	6.5
Steuben	57.17	66.67	56.77	60.20	18	82	28	70.67	13	47	13	48.33	6.9
NEW HAMPSHIRE—													
Concord	62.90	77.63	63.50	68.01	25	93	28	79.33	12	47	15	52.67	5.3
Shelburne	63.23	81.27	62.70	69.07	28	95	24	83.00	15	51	13	57.00	6.0
Stratford	61.07	74.57	59.83	65.16	25	88	25	76.67	8	47	8	53.33	5.2
West Enfield	63.00	75.63	63.83	67.49	27	94	25	81.33	12	47	12	50.67	5.1
VERMONT—													
Brandon	62.73	75.00	65.03	67.59	25	91	25	82.00	12	50	12	53.50	5.1
Burlington	64.43	72.40	65.40	67.41	25	*n* 88	26	82.00	9	51	12	54.83	4.6
Craftsbury	60.60	71.07	62.63	64.77	18	89	25	78.00	9	48	9	*e* 53.00	5.1
Norwich	63.37	76.80	63.17	67.78	25	93	27	81.00	12	*d* 49	12	51.00	....
Rupert	65.00	80.67	75.80	73.82	28	94	28	85.33	12	*m* 52	12	56.67	5.7
St. Johnsbury	59.50	74.00	60.10	64.53	24	*f* 90	25	77.67	9	46	9	52.67	5.1
MASSACHUSETTS—													
Amherst	65.09	76.23	67.34	69.55	27	90	26	82.50	12	46	12	50.40	6.6
Bridgewater (*o*)	61.48	74.49	61.91	66.96	25	90	28	80.17	12	48	15	49.10	5.8
Cambridge	63.23	75.57	64.07	67.62	28	89	28	79.00	12	*d* 48	15	51.00	5.4
Florida	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.0
Lawrence	60.90	76.52	63.93	67.12	25	92	24	78.67	12	46	15	48.33	5.4
Mendon	65.30	76.33	63.70	68.44	25	92	25	81.67	1	45	1	*m* 48.67	5.2
Nantucket	61.63	67.82	59.55	63.00	20	*f* 78	26	72.00	2	50	2	53.33	5.7
New Bedford	62.02	73.00	61.70	65.57	25	84	28	76.33	13	49	15	50.33	6.8
Newburyport	61.79	72.74	56.22	63.58	18	90	....	?	12	*p* 48	15	48.30	6.2
Richmond	57.33	77.57	66.07	66.99	18	*q* 92	22	80.00	12	38	12	41.33	3.8
Westfield	61.33	76.69	65.23	67.72	25	92	25	80.67	12	43	12	48.00	5.7
Williamstown	61.88	74.50	65.45	67.28	26	85	24	78.50	12	47	....	?	5.1
Worcester	64.32	76.85	65.93	69.03	25	92	25	82.67	13	45	13	41.67	4.0
RHODE ISLAND—													
Providence (*r*)	62.50	76.20	64.50	67.73	25	91	28	79.67	13	*m* 49	15	50.33	4.8
CONNECTICUT—													
Columbia	64.20	75.93	62.93	67.69	25	92	25	81.33	14	47	16	49.67	5.0
Pomfret	63.10	73.34	63.24	66.56	25	86	26	80.10	13	44	15	47.20	5.6
Saybrook	63.10	71.20	62.77	65.69	27	83	28	78.33	12	*s* 50	15	52.00	4.6
Wallingford	63.02	78.02	64.17	68.40	26	92	26	81.50	12	48	12	52.00	3.8
NEW YORK—													
Bellport	64.92	70.93	64.62	66.84	26	*t* 87	26	79.33	13	*m* 52	15	54.67	4.4

a Register thermometer. No observations after the 21st of the month.
b Observations taken at 9 a. m. and 9 p. m.
c Same temperature on the 26th and 27th.
d Same temperature on the 13th.
e Same temperature on the 12th.
f Same temperature on the 25th.
g Observations taken at sunrise, 2 p. m., and 10 p. m.
h Same temperature on the 10th.
i Observations taken at sunrise and sunset.
j Same temperature on the 27th.
k Same temperature on the 11th.
l Observations taken at 6 a. m., 2 p. m., and 10 p. m.
m Same temperature on the 15th.
n Same temperature on the 26th.
o Observations taken at 7 a. m., 2 p. m., and 7 p. m.
p Same temperature on the 14th and 15th.
q Same temperature on the 22d.
r Observations taken at 6 a. m., 1 p. m., and 10 p. m.
s Same temperature on the 13th and 15th.
t Same temperature on the 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	66.00	69.77	66.50	67.42	30	83	30	78.00	12	52	13	53.00	3.4
Canton	65.00	76.57	66.83	69 47	24	92	27	83.00	12	54	9	57.00	4.7
Clinton	67.26	79.23	66.73	71.07	25	92	27	83.00	15	51	12	54.00	5.0
Fishkill Landing	69.00	79.63	69.37	72.67	26	94	26	85.33	13	41	13	53.00	3.9
Flatbush	67.92	78.30	65.63	70.62	26	93	28	83.20	13	51	12	55.30	5.3
Fort Edward	65.83	76.07	67.97	69.96	28	90	26	*b*82.00	12	50	12	53.33	5.4
Houseville	63.32	73.28	61.44	66.01	26	88	27	79.33	8	*c*48	12	52.00	5.5
Nichols	66.20	80.90	63.57	70.22	25	94	25	80.00	14	49	12	54.33	4.9
Rochester	66.30	79.00	69.93	71.74	24	94	24	83.33	1	*d*31	13	53.67	3.0
Sag Harbor	65.44	80.37	64.59	70.13	28	95	28	82.00	13	51	15	54.33	4.2
Waterford	66.72	78.21	68.78	71.24	26	*e*91	27	83.67	12	51	12	53.33	5.0
NEW JERSEY—													
Bloomfield	68.73	81.70	67.35	72.59	25	*f*95	25	84.67	12	51	12	56.17	4.6
Freehold	69.55	80.20	68.23	72.66	25	93	26	85.00	12	53	12	56.67	....
Lambertville	70.51	84.90	69.87	75.09	26	98	....	.....	13	48	....	.....	....
Newark (*g*)	.....	.....	.....	70.94	26	91	26	83.50	1	46	1	*d*55.50	....
PENNSYLVANIA—													
Bedford	68.08	83.08	68.04	73.07	30	95	30	83.33	14	*h*51	14	59.33	4.3
Berwick	69.90	81.00	70.07	73.66	25	93	10	83.33	12	*d*57	12	57.00	3.5
Cannonsburg	65.66	76.66	70.73	71.02	26	*i*90	31	80.33	14	52	13	57.67	4.4
Easton	67.20	79.53	69.28	72.00	27	92	25	81.67	13	51	12	54.00	5.0
Fleming	66.43	82.36	68.10	72.30	22	95	22	80.67	15	53	14	59.00	4.1
Gettysburg	69.07	83.07	71.10	74.41	30	95	30	84.67	12	*j*56	12	*d*60.00	4.2
Harrisburg, [Heisely]	72.74	84.07	77.20	78.00	26	96	28	*k*88.00	13	57	12	63.33	4.2
Harrisburg, [Hickok]	68.40	80.88	72.24	73.84	26	*i*91	28	83.00	13	56	14	59.83	5.2
Indiana	70.40	81.10	68.70	73.40	30	94	30	82.67	14	50	13	56.33	3.9
Lewisburg	69.00	79.91	68.81	72.57	26	93	26	82.63	12	55	12	55.90	5.5
Meadville	67.60	81.87	65.67	71.71	29	96	27	85.67	13	47	13	51.00	3.6
Morrisville	69.80	83.23	70.27	74.43	28	96	28	86.00	12	*d*54	12	58.00	3.2
Mount Joy	72.80	86.03	74.03	77.65	26	*e*101	26	88.67	12	56	12	61.00	3.6
Murrysville	68.88	80.41	66.33	71.87	24	*i*91	29	81.00	13	52	14	58.33	3.9
Norristown	68.46	78.69	69.76	72.30	26	*l*90	28	83.50	12	54	12	57.70	4.1
North Whitehall (*m*)	65.63	79.30	73.63	72.85	26	*e*90	28	82.33	12	*d*53	12	57.33	4.1
Paradise	.....	.....	.....	80.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	73.78	83.57	75.28	77.54	28	95	28	89.20	13	55	13	60.20	5.1
Pittsburg, [Martin]	68.76	79.36	71.35	73.16	24	*n*90	27	83.33	14	53	13	*j*59.67	4.6
Pittsburg, [Wilson] (*o*)	65.95	77.29	69.67	70.97	30	98	29	84.67	14	50	14	55.00	....
Pocopson	72.40	83.83	71.17	75.80	26	*i*96	27	86.67	13	56	1	*c*61.67	5.0
Shamokin (*p*)	59.13	79.90	68.77	69.27	26	95	29	78.67	3	40	12	57.67	4.6
Somerset	63.83	79.00	64.80	69.21	27	*i*90	30	77.33	14	48	14	53.67	5.0
Tarentum	68.53	81.13	66.60	72.09	23	*i*91	29	80.67	14	51	14	57.33	3.9
West Haverford	68.67	82.57	.....	75.62	26	95	26	*e*86.00	12	*d*56	12	59.00	5.2
Westtown	70.02	80.47	70.35	73.61	26	93	30	84.50	12	53	13	58.17	5.0
DELAWARE—													
Georgetown (*q*)	73.10	82.00	76.97	77.36	30	95	28	88.67	1	*r*59	14	60.33	....
Milford	72.04	80.55	73.70	75.43	26	93	26	88.00	15	58	15	61.00	?3.1
MARYLAND—													
Annapolis	71.10	81.27	76.25	76.21	26	94	26	*i*86.33	1	57	14	63.00	4.1
Baltimore	70.95	81.68	74.63	75.75	39	94	30	86.83	13	*j*57	14	60.83	5.0
Bladensburg	71.13	81.54	69.20	74.96	21	*s*95	28	84.33	1	*j*58	14	61.33	?4.0
Chestertown	71.34	81.36	72.77	75.16	30	94	30	87.00	14	56	14	60.33	4.4
Frederick	72.81	80.12	72.45	75.13	30	93	30	87.33	1	*j*59	14	62.33	4.4
Leitersburg (*m*)	62.50	84.07	72.97	73.18	30	94	27	*i*81.33	2	*t*50	3	61.00	?

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 29th.
c Same temperature on the 12th.
d Same temperature on the 17th.
e Same temperature on the 27th.
f Same temperature on the 26th.
g Observations taken at 7 a. m. and 6 p. m.
h Same temperature on the 15th.
i Same temperature on the 30th.
j Same temperature on the 14th.
k Same temperature on the 22th and 30th.
l Same temperature on the 28th and 30th.
m Observations taken at sunrise, noon, and sunset.
n Same temperature on the 26th and 27th.
o Observations interrupted from the 18th to the 26th, inclusive.
p Mean of observations taken in the night, 53.87.
q Observations taken at 8 a. m., 1 p. m., and 6 p. m.
r Same temperature on the 14th and 16th.
s Same temperature on the 25th, 27th, 28th, and 30th.
t Same temperature on the 16th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MARYLAND—Continued.	°	°	°	°		°		°		°		°	
Oakland	63.73	74.87	59.80	66.13	29	*a* 85	29	78.33	14	39	14	48.00	....
Sykesville	69.70	80.50	71.27	73.82	27	*a* 89	30	83.00	14	57	14	59.67	4.6
DISTRICT OF COLUMBIA—													
Washington	71.93	82.40	74.77	76.37	30	94	28	87.00	1	*b* 60	14	?	4.2
VIRGINIA—													
Alexandria	74.00	84.27	76.75	78.34	30	96	30	89.33	14	60	14	64.33	4.2
Buffalo	77.43	88.80	78.50	81.58	29	*a*108	23	94.33	13	*a* 62	13	62.33	....
Crichton's Store (*c*)	72.53	84.08	80.14	78.92	30	96	30	88.67	15	60	15	62.00	5.4
Hartwood	69.87	83.39	72.37	75.18	27	*d* 98	29	85.33	14	56	14	56.00	....
Kanawha	68.28	79.97	70.68	72.98	27	92	30	82.67	15	52	14	59.00	4.0
Lewisburg	66.17	81.47	68.93	72.19	30	92	30	80.33	14	54	14	58.33	....
Lewinsville	70.87	81.10	73.07	75.01	30	99	30	87.67	14	56	14	60.67	4.9
Meadow Dale	59.40	74.83	66.50	66.91	29	*a* 86	29	78.00	15	40	14	54.00	....
Montross	72 33	81.73	72.70	75.59	29	95	27	85.67	14	59	14	56.67	4.0
Poplar Grove	69.34	82.52	68.97	73.61	30	98	30	87.33	14	52	14	61.00	4.7
Portsmouth	73.10	86.07	71.80	76.99	30	98	30	87.33	1	59	17	63.00	3.1
Rose Hill (*e*)	69.07	80.32	76.73	75.37	27	91	....	?	14	*f* 61	...	?	5.0
Rougemont	74.40	86.86	75.33	78.86	26	*a*100	30	91.33	14	57	14	60.00	5.1
Ruthven	72.81	83.85	72.11	76.23	26	*a* 94	30	86.33	14	*f* 60	....	?	3.1
Smithfield	70.91	81.24	73.56	75.24	27	93	30	84.00	3	62	14	63.53	5.6
Winchester	69.90	79.87	72.63	74.13	30	94	30	85.33	14	55	14	58.33	3.4
Wirt Court-House	71.08	82.31	71.46	74.95	30	94	30	83.00	13	59	13	60.33	4.6
NORTH CAROLINA—													
Ashville	65.92	73.96	69.62	69.83	29	*a* 78	30	74.33	14	56	....	?	....
Chapel Hill	72.23	85.90	72.30	76.81	30	97	30	86.67	14	58	14	61.00	5.2
Davidson College	71.41	82.96	73.93	76.10	27	91	30	82.33	15	57	13	62.33	3.1
Gaston	74.00	85.23	70.77	76.67	30	98	30	87.00	14	58	14	61.67	....
Marlborough	72.65	85.33	73.04	77.01	22	97	25	83.67	15	62	14	*f* 65.00	5.7
Murfreesborough	73.43	83.41	74.49	77.11	27	96	30	85.67	16	61	14	63.67	3.8
SOUTH CAROLINA—													
Aiken	76.17	84.10	75.96	78.74	24	96	24	84.33	14	67	15	68.67	4.1
All Saints	75.23	80.50	77.50	77.74	28	86	28	82.00	15	67	16	72.00	4.3
Charleston, [Dawson]	76.23	83.40	78.33	79.32	....	88	....	.....	....	69	....	.....	....
Charleston, [Johnson]	76.23	83.40	78.27	79.30	30	88	30	83.67	15	*g* 69	15	73.67	....
Columbia	73.83	85.53	76.33	78.56	1	97	26	84.00	14	63	14	70.00	5.5
St. John's	72.85	86.03	71.71	76.86	23	97	27	83.00	5	63	8	69.67	5.1
GEORGIA—													
Athens	67.97	79.81	70.01	72.60	23	88	23	76.97	14	56	14	63.93	4.4
Hillsborough	72.11	86.04	74.80	77.65	24	93	24	82.67	14	57	14	66.67	4.8
Savannah	75.80	85.80	78.10	79.90	1	93	30	84.97	14	68	15	75.03	4.2
Sparta	69.43	87.23	75.60	77.44	23	94	23	83.00	14	54	15	66.33	5.4
Whitemarsh Island	76.80	82.87	76.30	78.66	30	89	30	83.67	15	68	15	73.33	4.2
Zebulon	72.18	82.08	78.47	77.58	29	88	1	85.67	13	57	13	65.00	3.0
FLORIDA—													
Alachua County (*h*)	70.03	87.72	75.34	77.70	2	96	1	83.67	15	*i* 65	21	73.03	2.9
Alligator	75.50	90.00 ?	79.00	81.50 ?	2	97	26	83.33	15	68	12	75.33	3.9
Atsena	77.63	83.57	79.40	80.20	4	*j* 87	30	83.00	15	68	15	74.00	3.8
Belair	75.47	88.13	77.13	80.24	5	96	26	86.33	13	59	12	66.67	....
Jacksonville	78.70	85.13	74.07	79.30	2	96	29	85.67	15	70	15	75.67	4.0
Micanopy	75.60	88.20	77.45	80.42	2	95	1	83.00	15	69	15	73.60	4.3
St. Augustine	79.93	81.30	78.80	80.01	1	*k* 85	29	*a*82.00	12	74	13	75.67	4.2
Salt Ponds	79.87	85.77	.....	82.82	6	*l* 89	30	85.50	15	76	15	77.50	5.9
ALABAMA—													
Greene Springs	73.40	84.23	71.86	76.50	3	95	3	84.67	14	59	14	63.16	4.1
Greensborough	71.93	81.95	72.82	75.57	3	91	3	82.00	13	58	13	63.00	3.3
Selma	72.63	85.07	74.20	77.30	1	*m* 92	2	83.67	14	60	14	64.67	6.1

a Same temperature on the 30th.
b Same temperature on the 13th and 14th.
c Observations taken at 6½ a. m., noon, and 6 p. m.
d Same temperature on the 29th.
e Incomplete.
f Same temperature on the 15th.
g Same temperature on the 16th.
h Observations taken at 5 a. m., 2 p. m., and 9 p. m.
i Same temperature on the 17th.
j Same temperature on the 16th and 17th.
k Same temperature on the 29th and 30th.
l Same temperature on the 7th and 30th.
m Same temperature on the 2d and 26th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
MISSISSIPPI—													
Columbus	72.56	86.23	74.63	77.81	27	94	27	84.07	13	59	13	64.90	3.8
Natchez	73.80	84 69	78.80	79.07	1	90	2	83.67	14	69	14	70.33	....
Paulding	75.59	86.78	78.88	80.42	2	98	2	89.67	13	62	13	67.33	5.1
LOUISIANA—													
Black River	77.10	86.47	77.77	80.45	27	92	27	85.33	13	*a* 68	13	71.33	4.2
New Orleans (*b*)	83.56	85.50	86.20	85.09	1	*c* 92	28	90.00	14	74	14	77.67	....
TEXAS—													
Austin, [Palm]	76.77	88.63	76.43	80.61	24	96	25	86.67	5	63	12	70.33	4.7
Austin, [Van Nostrand]	74.86	86.01	76.55	79.14	24	*d* 91	29	84.88	5	64	5	70.83	4.3
Goliad	74.75	84.76	77.44	78.98	25	90	25	82.67	5	67	13	74.00	4.4
Laris-a	76.39	89.57	75.17	80 38	30	*e* 96	30	?	12	59	12	67.00	3.2
New Braunfels	71.07	86.77	74.27	77.37	8	*f* 93	1	81.67	6	57	6	66.67	2.2
Union Hill	65.97	83.57	65.80	71.78	29	93	29	79.00	12	58	12	61.67	5.0
Washington	77.13	86.33	74.86	79.44	29	93	29	84.00	5	*g* 66	....	?	3 8
TENNESSEE—													
Glenwood	67.46	79.61	69.96	72.34	27	89	27	80.93	13	53	13	59.37	4.1
Memphis	74.90	83.70	75.20	77.93	27	92	27	86.00	12	62	12	65.00	4.1
KENTUCKY—													
Bardstown	72.16	83.91	71.98	76.02	30	95	30	90.50	13	54	13	59.33	3.9
Louisville (*h*)	69.20	81.23	73.63	74.69	26	91	30	84.33	14	56	13	61.33	4.7
Millersburg	74.70	84.57	72.63	77.30	29	*i* 92	29	*i* 86.67	14	56	14	62.00	4.2
Paris	68.00	79.93	69.59	72.51	30	92	30	83.33	13	*a* 55	13	57.33	4.4
Springdale	61.59	84.98	73.23	73.24	26	*i* 97	30	84.83	14	46	13	60.67	4.2
OHIO—													
Bellefontaine	70.34	82.71	68.95	74.00	26	95	26	85.67	12	50	12	54.33	4.6
Bowling Green	69.22	81.08	67.91	72.74	30	94	30	84.00	12	*j* 53	12	54.70	3.2
Cincinnati, [Harper]	70.63	82.37	75.13	76.04	29	94	26	87.00	14	56	12	60.33	4.1
Cincinnati, [Hurtt]	70.83	82.28	72.52	75.21	25	*k* 95	25	89.67	12	54	12	58.67	3.3
Cleveland	70.45	79.03	67.47	72.32	27	91	27	84.67	13	51	12	53.33	....
Cleveland, [near]	-------	-------	-------	75.00	....	------	....	-------	....	-------	....	-------	....
Collingwood	68.60	76.40	68.73	71.24	27	92	25	83.33	12	50	12	55.00	....
Dayton	65.97	82.62	68.00	72.20	30	95	30	*l* 82.78	14	52	13	54.57	4.5
Edinburg	67.73	78.67	65.87	70.76	22	96	22	84.00	13	46	13	52.33	4.4
Hillsborough	67.48	78.12	71.57	72.39	30	92	30	83.70	13	51	13	56.20	3.5
Hiram	67.23	77.46	66.57	70.42	23	*m* 90	30	82.67	12	*n* 50	12	52.00	4.5
Jackson, [Jackson county]	70.93	85.75	70.92	75.87	25	98	25	86.33	13	48	13	56.00	2.8
Jackson, [Monroe county]	72.25	83.37	67.86	74.49	24	96	30	85.17	13	53	13	57.00	3.8
Jefferson	68.47	71.67	69.73	69.96	29	96	29	90.67	11	*g* 52	11	*g* 54.00	5.7
Lancaster	70.95	81.45	68.19	73.53	27	94	30	84.90	13	52	13	54.57	3.5
Madison, [Atkins]	71.79	80.26	67.96	73.34	25	94	25	85.00	13	48	13	50.33	2.6
Madison, [King]	69.40	79.38	63.20	70.66	27	92	27	83.00	13	46	12	51.00	3.6
Medina	68.43	77.53	65.47	70.48	26	91	26	82.50	13	49	13	50.67	4.5
New Lisbon	72.67	89.07	72.70	78.15	24	*l* 106	25	89.33	14	57	14	58.67	2.9
Northward	67.85	81.81	63.78	71.15	26	98	....	?	12	*j* 48	12	50.67	4.2
Ripley	67.43	-------	72.04	69.73	29	84	....	?	13	53	....	?	4.9
Savannah	71.20	83.27	67.40	73.96	30	98	24	88.00	13	48	12	51.67	4.9
Urbana	68.20	82.17	68.76	73.04	23	97	27	88.00	13	51	12	55.33	4.2
Welchfield	73.43	82.76	67.33	74.51	22	*o* 97	23	*i* 89.67	13	*a* 48	13	52.00	3.4
Westerville	69.47	81.17	70.57	73.74	26	*i* 94	26	85.33	13	*a* 52	13	55.50	4.8
Windham	63.73	76.67	66.93	69.11	26	91	26	81.00	14	49	13	50.67	....
MICHIGAN—													
Battle Creek	69.37	80.50	68.03	72.63	30	96	26	84.00	12	48	12	57.33	3.2
Cooper	72.30	80.49	70.07	74.26	28	*m* 98	29	*i* 89.33	11	*j* 50	13	55.33	2.3
Detroit	72.36	84.88	72.10	76.45	22	106	22	90.33	8	*p* 55	11	59.00	4.0
Forestville (*q*)	61.67	69.94	66.37	66.83	18	*i* 86	18	80.50	12	45	11	50.00	....
Grand Rapids, [Streng]	65.27	81.10	66.40	70.92	28	*i* 98	26	83.67	11	47	10	56.00	4.8

a Same temperature on the 14th.
b Observations taken at 9 a. m., noon, and 3 p. m.
c Same temperature on the 3d and 28th.
d Same temperature on the 29th.
e Same temperature on the 22d.
f Same temperature on the 19th and 20th.
g Same temperature on the 12th.
h Observations taken at 7 a. m., 3 p. m., and 9 p. m.
i Same temperature on the 30th.
j Same temperature on the 13th.
k Same temperature on the 26th.
l Same temperature on the 27th.
m Same temperature on the 29th and 30th.
n Same temperature on the 13th and 14th.
o Same temperature on the 23d.
p Same temperature on the 11th.
q Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 69.33.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Marquette	57.34	68.15	55.14	60.21	22	94	22	82.13	12	38	11	47.07	4.8
Monroe													3.4
New Buffalo (*a*)	71.03	77.00	64.20	70.74	30	94	26	84.00	13	44	11	52.00	5.9
Port Huron	66.70	78.37	61.18	68.75	30	97	30	83.33	13	42	13	49.33	4.2
INDIANA—													
Cannelton	70.69	79.90	69.86	73.48	29	90	27	82.37	13	54	13	59.33	3.6
Evansville	72.23	79.77	75.90	75.97	27	90	27	86.17	13	52	14	60.50	4.3
Logansport	70.13	82.80	72.03	74.99	23	*b* 98	26	*b* 87.33	12	52	12	59.00	4.9
Madison	69.13	77.10	70.27	72.17	23	90	23	83.00	12	*c* 56	13	58.67	3.6
Michigan City	69.10	77.58	66.35	71.01	30	100	24	86.33	11	47	11	48.33	4.4
New Harmony	73.17	81.13	72.23	75.51	27	93	27	87.33	12	54	12	58.67	4.4
Richmond, [Austin] (*d*)	65.96	79.74		72.85	27	*e* 93	27	85.50	13	51	13	57.50	4.3
Richmond, [Moore]	68.22	79.13	68.37	71.91	26	*e* 91	27	83.00	13	51	12	55.50	4.3
ILLINOIS—													
Athens	69.36	82.16	67.53	73.02	26	96	29	82.67	12	50	12	55.00	4.6
Augusta	67.33	77.27	70.17	71.59	22	*f* 88	23	81.33	11	52	12	59.00	3.9
Aurora	67.90	79.83	64.63	70.79	30	93	23	*g* 81.33	11	45	11	50.67	4.6
Batavia, [Capon]	67.23	79.37	65.50	70.70	27	101	27	83.00	11	46	11	52.00	5.3
Batavia, [Mead]	66.86	77.76	64.46	69.69	27	*e* 101	23	89.00	11	44	11	52.00	5.3
Brighton	65.93	82.67	71.20	73.27	29	93	20	83.67	12	48	11	56.00	
Edgington	65.57	79.79	69.97	71.78	30	94	27	*e* 83.00	1	50	12	57.67	5.4
Elgin	66.03	78.20	64.83	69.69	25	*h* 90	24	81.00	11	44	11	50.67	
Jacksonville (*i*)	71.10	82.73	72.63	75.49	28	*h* 98	27	90.22	12	52	12	57.00	
Manchester (*a*)	68.38	79.80	67.50	71.89	20	92	27	82.00	12	52	12	57.67	5.0
Marengo	72.13	81.27	65.40	72.93	27	*e* 96	23	*h* 85.33	11	*j* 46	11	54.00	5.4
Ottawa	67.86	78.42	68.00	71.43	27	93	25	82.00	11	51	11	55.00	4.8
Pekin	68.43	80.56	67.46	72.15	16	*h* 92	29	83.33	12	49	12	57.00	4.5
Peoria	71.60	84.90	72.30	76.27	26	98	27	87.75	11	*j* 57	12	60.50	3.9
Riley	67.72	78.11	64.46	70.10	29	92	29	82.33	11	46	11	51.33	4.0
South Pass	72.67	82.50	72.17	75.78	29	97	29	88.33	12	52	12	57.00	4.3
Upper Alton	70.45	77.66	69.57	72.56	28	*h* 88	29	81.33	2	*k* 56	12	57.67	3.7
Warsaw	71.53	81.33	66.80	73.22	28	93	28	84.67	12	55	12	60.00	4.3
Waynesville	63.63	80.00	73.00	72.21	27	*l* 93	27	83.67	12	*m* 48	12	52.67	5.1
West Salem	71.07	83.77	70.57	75.14	27	97	27	86.00	12	50	12	55.67	4.0
West Urbana	71.77	79.27	69.30	73.45	28	95	27	89.00	13	51	13	52.33	4.4
Wheaton	67.78	77.53	66.07	70.46	27	91	23	81.67	11	45	11	50.67	5.7
Winnebago	66.75	79.28	66.77	70.93	29	93	29	83.50	11	49	11	55.16	5.2
MISSOURI—													
St. Louis	74.10	81.90	73.60	76.53	27	95	27	88.50	12	50	12	57.00	4.6
WISCONSIN—													
Appleton	65.83	78.17	66.17	70.06	28	95	26	*l* 84.00	11	*j* 48	11	52.67	3.8
Bay City	57.87	68.43	56.33	60.88	17	96	23	77.33	11	42	3	46.00	4.6
Beloit	65.80	78.33	66.03	70.05	27	92	29	82.00	11	*j* 50	11	55.33	3.6
Green Bay	66.10	79.77	65.73	70.53	28	*h* 98	29	86.67	11	48	10	51.33	3.5
Janesville	66.43	80.33	67.13	71.30	28	95	29	84.67	11	50	11	55.33	5.0
Kenosha	65.73	71.81	64.41	67.32	25	*e* 85	30	80.50	11	48	11	49.83	3.4
Madison, [Sterling]	69.24	74.48	66.47	70.06	27	89	29	84.33	12	49	11	54.67	5.1
Manitowoc	64.37	72.17	60.97	65.84	29	87	29	77.67	12	47	11	53.00	5.5
Milwaukee, [Lapham]									5	39			
Milwaukee, [Pomeroy]	63.23	71.60	60.80	65.21	29	89	29	78.67	10	40	10	44.00	6.9
Milwaukee, [Winkler]	65.73	74.43	61.53	67.23	23	91	23	*n* 80.00	12	46	10	49.00	3.9
New Danemora (*o*)	65.38	80.58	75.88	73.95	17	94.5	28	86.84	8	50	3	56.67	
New London	61.80	79.40	65.16	68.79	28	95	29	87.67	12	45	12	53.67	4.1
Platteville	68.57	82.23	70.90	73.90	28	97	28	87.00	12	52	11	*j* 61.00	4.4
Waukesha	66.60	79.23	65.90	70.58	27	96	27	85.33	11	50	11	56.33	4.7

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 27th.
c Same temperature on the 13th and 14th.
d Observations taken at 6 a. m. and 1 p. m.
e Same temperature on the 30th.
f Same temperature on the 23d and 28th.
g Same temperature on the 29th and 30th.
h Same temperature on the 29th.
i Observations taken at morning, noon, and sunset.
j Same temperature on the 12th.
k Same temperature on the 11th.
l Same temperature on the 28th.
m Same temperature on the 13th.
n Same temperature on the 27th and 30th.
o Observations taken at 6 a. m., noon, and 6 p. m.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
IOWA—													
Bellevue	68.07	79.66	67.53	71.75	28	94	27	84.00	11	50	11	57.00	5.0
Border Plains	69.33	79.73	68.93	72.66	29	*a* 92	30	85.33	7	*b* 55	10	59.33	5.2
Dubuque	69.37	78.93	70.47	72.92	28	93	28	86.33	10	*c* 55	10	57.67	4.3
Fairfield	71.15	78.00	69.00	72.72	17	*d* 90	28	85.33	8	56	10	58.33	5.3
Fort Madison (*e*)	69.56	80.76	72.20	74.17	28	*f* 95	29	87.33	12	54	10	60.00	3.7
Franklin	68.87	78.83	68.83	72.18	17	*d* 90	27	83.00	2	53	2	*g* 60.33	3.9
Iowa City	69.48	76.77	69.89	72.05	22	88	30	83.33	13	57	10	59.00	4.6
Muscatine	67.37	78 37	66.17	70.64	27	91	27	81.00	4	*h* 52	10	57.67	3.6
Pleasant Plain	71.40	82.30	68.47	74.06	17	*i* 94	22	*j* 84.00	8	*k* 55	10	57.00	4.5
Poultney	66.85	79.57	64.04	70.15	30	98	23	82.00	12	44	11	54.67	5.0
Sioux City	65.85	77.42	67.61	70.63	30	90	30	84.00	11	49	10	55.17	6.2
MINNESOTA—													
Burlington	47.50	64.80	54.30	55.53	27	82	27	67.33	11	35	3	45.67	----
Forest City	67.26	78.19	71.00	72.15	27	93	19	88.33	11	49	11	53.33	1.5
Hazlewood	66.00	70.00	66.33	67.44	23	92	30	84.67	10	44	10	51.67	4.0
Lapham	59.90	80.00	61.13	67.01	23	*a* 92	30	83.00	10	43	3	*b* 57.00	3.6
Princeton	70.63	82.96	67.62	73.74	17	102	17	89.67	7	48	3	55.33	4.3
Wabashaw	66.07	79.53	65.80	70.47	17	95	29	83.67	6	46	9	59.00	3.8
NEBRASKA—													
Bellevue	67.37	77.17	67.83	70.79	30	90	30	83.33	2	*l* 50	11	54.67	3.5
Brownville	70.57	82.23	70.00	74.27	23	*a* 97	30	86.00	11	50	11	54.67	3.5
Elkham (*m*)	72.25	88.06	73.56	77.96	23	*n* 94	23	83.67	15	54	12	70.00	4.5
Omaha	69.60	81.93	73.87	75.13	22	99	22	86.67	18	50	10	57.33	3.6
KANSAS—													
Burlingame	67.36	80.60	68.86	72.27	16	94	16	*a* 81.33	5	49	4	*l* 57.33	4.8
Lawrence	70.27	80.93	72.50	74.57	30	94	30	87.33	11	*o* 55	11	58.33	4.2
Leavenworth City, [McCarty]	72.40	82.20	70.13	74.91	23	*a* 94	30	88.67	4	54	4	57.33	5.2
Manhattan	72.53	85.13	71.50	76.39	22	98	30	87.33	5	52	11	59.33	4.4
Mapleton	72.43	84.73	71.50	76.22	30	97	29	89.67	11	55	3	59.33	4.7
Topeka	70.47	85.23	70.03	75.24	16	*a* 98	30	87.67	4	52	4	*l* 59.33	3.6
OREGON—													
Portland (*p*)	-------	-------	-------	66.77	----	101	----	-------	----	42	----	---------	----
MEXICO—													
Cordova (*q*)	71.85	74.16	71.80	72.85	2	77.36	----	-------	28	69.44	----	---------	----
Minatitlan (*r*)	75.73	84.89	-------	80.31	18	*s* 90	19	83.50	4	*t* 74	26	75.50	----
Mirador (*u*)	68.85	75.79	68.25	70.96	----	------	----	72.91	----	-------	----	67.64	----
Vera Cruz (*v*)	80.49	-------	81.69	81.09	----	------	----	-------	----	-------	----	---------	----
CALIFORNIA—													
Marysville	67.50	86.03	73.26	75.60	3	*w* 96	4	84.00	18	59	18	64.00	2.0
Sacramento	65.23	74.87	68.20	69.43	3	86	3	77.00	11	*x* 61	11	65.33	1.3
San Francisco	56.57	65.77	55.03	59.12	26	74	26	63.33	1	51	8	56.67	3.4
WEST INDIES—													
Nassau, Bahamas (*y*)	-------	-------	-------	85.25	----	------	30	88.50	----	-------	14	82.00	----
CENTRAL AMERICA—													
Guatemala (*z*)	59.80	71.42	62.42	67.76	?	82.6	----	-------	?	57.4	----	---------	----
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*aa*)	74.80	83.30	79.60	79.23	18	88	26	83.00	15	73	14	*bb* 77.33	5.7

a Same temperature on the 30th.
b Same temperature on the 9th and 10th.
c Same temperature on the 12th.
d Same temperature on the 28th and 29th.
e Observations taken at 6 a. m., noon, and 7 p. m.
f Same temperature on the 29th and 30th.
g Same temperature on the 9th.
h Same temperature on the 13th.
i Same temperature on the 22d and 27th.
j Same temperature on the 27th and 28th.
k Same temperature on the 10th and 13th.
l Same temperature on the 11th.
m For the last 18 days of the month.
n Same temperature on the 21st and 30th.
o Same temperature on the 14th.
p Observations taken at 6 a. m., 12m., and 6 p. m.
q Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m, 73.42; at 6 p. m., 73.04.
r Observations taken at 7 a. m. and 3 p. m.
s Same temperature on the 19th.
t Same temperature on the 16th, 17th, 25th, 26th, and 28th.
u Observations taken at 7 a. m., 2 p. m., and 8 p. m.
v Observations taken at 6 a. m. to 8 a. m., and at 9 p. m. to 11 p. m.
w Same temperature on the 4th.
x Same temperature on the 15th, 18th, 28th, and 29th.
y Mean obtained from daily maximum and minimum.
z Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 69.98; mean at noon, 75.20.
aa Observations taken at 6 a. m., 2 p. m., and 6 p. m.
bb Same temperature on the 16th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	72.42	.....	70.80	71.61	10	85	8	83.50	12	60	12	60.50	....
Montreal	64.70	72.56	65.43	67.56	7	85	7	77.67	12	54	12	59.60	5.8
Moose Factory (*b*)	.....	.....	.....	59.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
Red River Settlement	63.21	73.03	64.32	60.85	5	90	5	80.00	8	*c*53	....	?	4.9
St. John's	56.64	64.75	56.94	59.44	17	82	17	74.67	12	47	6	50.67	....
St. Martin	61.25	75.81	63.83	66.96	7	91	7	79.20	1	50	29	57.70	5.1
Stanbridge	64.84	73.58	65.39	67.94	7	88	7	83.33	24	54	29	58.00	4.7
Toronto (*d*)	63.32	73.55	65.23	67.37	7	83	8	75.78	13	57	12	58.25	5.0
Windsor	59.60	70.17	60.80	63.52	7	87	14	77.30	26	50	5	53.60	5.9
MAINE—													
Cornish, [Guptill]	65.16	73.16	64.84	67.72	8	88	8	79.33	12	*e*52	12	53.33	6.1
Cornish, [West]	62.35	72.74	62.90	65.90	8	86	8	76.67	1	*f*52	24	52.67	5.5
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.1
Gardiner	72.39	63.26	74.03	69.89	8	88	8	79 33	1	43	24	54.67	6.7
Perry	58.07	67.53	58.13	61.24	7	88	7	75.33	26	51	24	54.17	5.6
Portland	64.62	71.98	64.32	66.97	11	87	8	78.50	12	54	12	55.83	6.2
Steuben	61.52	67.45	58.68	62.55	8	88	8	88.33	5	*g*52	24	52.67	6.8
NEW HAMPSHIRE—													
Concord	65.30	76.50	64.93	68.91	8	92	8	80.33	24	54	12	56.33	5.3
Shelburne	64.20	81.29	63.55	69.68	8	96	8	84.00	12	*e*54	12	56.67	6.3
Stratford	61.97	72.87	59.87	64.90	8	90	8	77.33	24	50	24	54.33	5.8
West Enfield	62.35	74.65	62.45	66.48	10	90	8	80.00	1	49	12	*h*56.33	5.4
VERMONT—													
Brandon	69.08	75.10	63.93	69.37	8	90	8	78.00	1	*i*51	25	55.33	4.8
Burlington	63.63	70.79	64.29	66.24	10	84	10	76.00	24	*i*54	29	56.67	5.6
Craftsbury	59.90	71.06	62.71	64.56	8	*j*83	7	75.00	24	*i*50	29	55.00	5.3
Norwich	62.64	76.45	63.65	67.58	10	94	10	82.00	1	53	29	57.33	....
Rupert	67.94	81.42	73.94	74.43	10	96	10	88.67	30	58	30	60.67	5.8
St. Johnsbury	58.90	73.26	61.57	64.58	8	86	10	75.33	1	*k*50	29	54.33	5.3
MASSACHUSETTS—													
Amherst	65.51	77.85	68.31	70.56	11	92	11	80.60	24	58	30	59.70	6.2
Bridgewater (*l*)	65.58	75.42	67.55	69.52	11	89	11	81.33	25	55	25	58.33	5.6
Cambridge	64.87	77.10	67.16	69.71	8	91	10	80.00	1	*e*56	24	58 33	5.7
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Lawrence	62.61	76.34	66.84	68.60	11	95	11	82.33	1	53	24	58.00	5.6
Mendon	65.77	76.81	66.68	69.82	11	92	11	82.00	12	*m*57	12	57.67	5.0
Nantucket	68.06	73.74	65.03	68.94	9	*n*80	11	74.67	25	58	25	59.50	4.7
New Bedford	65.71	74.48	65.74	68.64	11	82	11	76.30	25	56	1	61.30	5.9
Newburyport (*o*)	64.72	73.43	64.00	67.38	11	91	....	?	29	55	....	?	?
Richmond	62.55	82.45	70.39	71.80	8	*p*93	11	81.67	25	41	25	56.00	4.3
Westfield	62.23	77.06	67.23	68.84	11	90	11	79.33	26	52	30	59.67	5.1
Williamstown	62.87	72.42	65.02	66.77	10	86	10	81.00	2	53	1	53.00	5.6
Worcester	65.98	77.17	67.03	70.06	11	92	11	81.33	24	55	25	58.50	4.9
RHODE ISLAND—													
Providence (*q*)	65.30	77.50	66.70	69.83	8	*r*88	10	81.33	25	*s*57	25	60.00	5.5
CONNECTICUT—													
Columbia	64.65	76.35	66.19	69.06	11	88	4	*p*78.67	1	52	1	59.00	4.9
New London	67.48	78.97	68.74	71.73	11	89	11	79.67	26	56	25	62.33	4.8
Pomfret	63.79	71.78	65.09	66.89	8	82	5	74.67	25	53	25	57.30	5.9
Saybrook	68.07	75.90	67.60	70.52	28	86	28	77.67	24	59	25	62.33	5.0
Wallingford	64.08	77.60	66.94	69.54	11	89	11	79.50	2	*i*55	25	60.17	4.3
NEW YORK—													
Bellport	69.87	75.68	68.10	71.22	4	*t*80	9	76.33	24	60	25	64.00	4.0
Buffalo (*u*)	69.19	74.03	71.20	71.47	9	85	9	80.33	12	58	12	59.00	3.5

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise, 2 and 10 p. m.
c Same temperature on the 16th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 24th.
f Same temperature on the 11th and 24th.
g Same temperature on the 24th, 25th, and 27th.
h Same temperature on the 30th.
i Same temperature on the 25th.
j Same temperature on the 9th.
k Same temperature on the 19th and 29th.
l Observations taken at 7 a. m., 2 p. m., and 7 p. m.
m Same temperature on the 25th and 26th.
n Same temperature on the 11th and 12th
o Observations taken at 6 a. m., 1 p. m., and 10 p. m.
p Same temperature on the 11th.
q Incomplete.
r Same temperature on the 10th.
s Same temperature on the 26th.
t Same temperature on the 15th and 28th.
u Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Clinton	69.45	81.42	67.32	72.73	10	96	10	86.67	1	53	1	61.33	5.1
Fishkill Landing	68.45	80.55	72.55	73.85	11	93	10	84.67	25	59	25	67.00	3.4
Flatbush	69.65	79.16	68.92	72.58	12	91	12	82.80	25	60	25	63.60	4.2
Fort Edward	66.97	76.47	68.79	70.74	9	90	8	*a*79.33	22	57	29	60.80	4.7
Houseville (*b*)	67.10	78.00	64.62	69.91	10	92	10	79 33	23	50	24	58.00	5.2
Nichols	67.71	84.06	64.71	72.16	3	*c* 94	3	*c*82.67	24	53	24	59.33	5.0
Rochester	67.58	78.03	69.77	71.79	7	*d* 90	10	83.33	12	58	12	58.67	3.6
Sag Harbor	68.81	80.87	68.29	72.66	11	90	11	81.33	25	59	25	63.67	4.9
Waterford	68.13	79 24	68.87	72.08	8	91	10	83.33	23	57	30	61.33	4.7
NEW JERSEY—													
Bloomfield	68.47	82.15	69.66	73.93	9	92	9	83.50	21	59	25	65.17	3.1
Freehold	70.99	81.02	71.01	74.34	11	92	11	83.92	25	60	25	64.67	....
Lambertville	70.46	87.11	70.68	76.08	11	79	--	-------	25	48	....	-------	---
Newark	-------	-------	-------	73.40	11	91	11	84.00	25	57	25	64.62	....
PENNSYLVANIA—													
Bedford	70.70	83.70	70.70	75.03	3	95	3	85.67	23	60	23	*e*68.00	4.0
Berwick	70.81	83.03	71.90	75.25	11	*f* 92	10	84.00	15	62	24	64.67	2.9
Cannonsburg	68.39	81.93	72.45	74.26	1	92	1	81.67	25	60	13	66.00	4.3
Chambersburg	77.00	85.77	74.48	79.08	11	97	29	87.00	14	*g* 66	20	68.00	3.7
Easton (*h*)	68.63	82.61	70.96	74.07	11	*f* 94	....	?	26	58	24	67.33	4.0
Fleming	69.50	85.70	69.30	74.83	10	*i* 92	3	81.33	25	56	24	65.00	3.8
Gettysburg	70.26	84.65	73.13	76.01	29	95	11	85.00	25	58	20	68.00	3.9
Harrisburg, [Heisely]	75.37	86.10	80.48	80.65	10	*f* 95	11	89.00	25	64	20	72.00	3.8
Harrisburg, [Hickok]	70.39	83.31	74.06	75.92	11	*f* 93	11	85.67	25	60	20	67.33	4.6
Indiana	72.68	84.00	72.74	76.47	1	*j* 92	1	82.33	13	62	13	65.00	3.8
Lewisburg	70.81	81.67	70.96	74.48	29	93	10	84.00	15	61	20	66.70	5.1
Meadville	70.39	84.00	68.65	74.35	1	97	29	83.33	12	*k* 58	12	60.00	....
Morrisville	69.84	83.13	72.48	75.15	11	94	11	86.00	25	60	25	66.00	2.3
Mount Joy	77.45	90.71	76.18	81.45	11	103	11	92.67	14	*e*67	20	72.00	3.5
Murrysville	70.94	83.42	68.74	74.37	1	91	10	80.67	24	61	13	67.00	3.8
Norristown	69.55	80.85	71.79	74.06	29	91	10	82.30	26	61	20	66.30	3.9
North Whitehall (*l*)	68.06	82.13	76.39	75.53	10	*m* 88	3	*n*81.67	25	54	25	66.67	4.0
Paradise	-------	-------	-------	82.00	....	------	....	-------	....	-------	....	-------	....
Philadelphia	75.13	85.31	77.23	79.22	11	95	11	89.20	26	67	25	71.20	4.2
Pittsburg, [Martin]	73.35	82.87	73.90	76.71	3	*f* 91	2	84.67	27	64	24	70.33	4.4
Pittsburg, [Wilson]	72.06	85.74	74.16	77.32	1	95	21	84.67	13	62	13	68.00	....
Pocopson	73.39	87.19	73.10	77.89	3	*o* 94	11	86.00	25	64	24	70.33	4.1
Pottsville	76.73	83.31	71.00	77.01	11	93	....	-------	24	61	24	68.33	....
Shamokin (*p*)	61.97	81.35	69.68	71.00	3	96	3	84.00	25	36	25	60.00	4.4
Somerset	67.19	82.78	68.06	72.68	2	*q* 91	2	*r*79.67	8	58	13	65.33	4.9
Tarentum	70.97	83.42	68.68	74.36	3	91	3	84.00	24	60	13	66.33	3.8
Westtown	70.58	82.50	72.10	75.06	29	93	11	84.87	26	62	25	66.67	4.2
DELAWARE—													
Georgetown (*s*)	76.84	85.42	78.87	80.38	29	98	10	90.00	14	*t* 70	14	71.00	....
MARYLAND—													
Annapolis	73.90	84.30	79.70	79.30	29	97	29	87.33	7	65	25	72.50	3.0
Baltimore	73.56	82.97	77.20	77.91	29	94	11	86.67	7	*u* 66	20	71.33	4.4
Bladensburg (*v*)	72.50	88.08	71.53	77.37	19	98	3	*c*84.67	25	62	....	?	4.3
Chestertown	75.41	84.90	74.88	78.40	29	95	3	88.33	25	64	25	69.10	3.6
Frederick	74.03	82.35	74.78	77.05	3	92	3	87.50	24	65	20	68.77	3.9
Leitersburg	71.29	85.03	72.06	76.13	29	96	11	85.00	23	60	20	*w*68.00	3.3
Sykesville	69.87	79.45	72.61	73.98	29	89	3	*j*82.00	25	58	25	65.33	4.0
DISTRICT OF COLUMBIA—													
Washington	74.32	83.43	77.04	78.26	3	93	10	85.67	25	65	15	71.67	3.6

a Same temperature on the 9th.
b For the last 22 days of the month.
c Same temperature on the 10th.
d Same temperature on the 8th and 10th.
e Same temperature on the 24th.
f Same temperature on the 29th.
g Same temperature on the 20th and 24th.
h Observations after the 10th taken at 7 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 11th and 18th.
j Same temperature on the 11th.
k Same temperature on the 12th.
l Observations taken at sunrise, noon, and sunset.
m Same temperature on the 11th, 29th, and 30th.
n Same temperature on the 11th and 30th.
o Same temperature on the 10th, 29th, and 30th.
p Observations taken at night. Mean, 55.03.
q Same temperature on the 17th.
r Same temperature on the 3d.
s Observations taken at 8 a. m., 1 p. m., and 6 p. m.
t Same temperature on the 25th and 26th.
u Same temperature on the 8th.
v Incomplete.
w Same temperature on the 23d.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
VIRGINIA—	°	°	°	°		°		°		°		°	
Buffalo	77 74	89.94	77.78	81.82	2	*a* 100	6	92.67	13	*b* 65	13	68.67	3.5
Crichton's Store (*c*)	76.17	86.77	82.44	81.79	1	*d* 97	....	?	26	67	....	?	4.6
Hartwood	70.17	83.10	71.33	74.87	30	97	30	83.33	1	*e* 60	1	65.67	....
Kanawha	72.11	84.35	73.50	76.65	3	91	2	*d* 81.33	8	*f* 65	23	69.33	4.1
Lewinsville	72.68	85.29	74.97	77.65	11	*d* 95	11	85.60	26	65	19	71.33	4.2
Lewisburg	67.29	83.45	69.55	73.43	28	94	28	80.67	7	54	14	66.60	3.2
Meadow Dale	62.26	76.03	68.10	68.80	3	*g* 83	4	77.00	7	*h* 54	15	62.00	....
Montross	74.06	85.26	74.26	77.86	3	97	3	85.67	6	64	6	70.00	4.3
Poplar Grove	71.65	86.81	70.15	76.20	3	*d* 94	3	*i* 80.67	13	*j* 65	23	69.00	4.4
Portsmouth	77.45	87.77	73.90	79.71	3	100	3	88.33	26	64	26	68.33	2.7
Rose Hill (*k*)	73.27	80.50	76.54	76.77	3	90	....	?	7	65	....	?	5.2
Rougemont	75.97	87.06	76.84	79.96	3	95	3	*l* 85.00	6	68	19	73.00	4.9
Ruthven (*k*)	74.95	86.79	73 05	78.23	3	94	....	?	6	66	....	?	2.5
Smithfield	73.88	82.15	76.70	77.58	30	90	4	84.30	26	*m* 66	26	71.10	5.0
Wirt Court-House	73.31	84.52	68.26	75.36	3	*n* 92	28	83.00	5	64	1	*o* 70.00	3.7
NORTH CAROLINA—													
Chapel Hill	74.58	88.29	74 29	79.05	2	97	2	85.33	24	*f* 66	7	72.00	4.4
Davidson College	72.50	83.97	76.25	77.57	3	*p* 90	4	82.67	26	65	7	72.00	3.7
Gaston	75.19	88.06	73.90	79.05	1	*q* 100	4	90.67	24	66	7	72.00	....
Murfreesborough	76.00	85.52	76.65	79.37	30	95	4	87.00	7	*q* 68	20	74.67	? 3.7
SOUTH CAROLINA—													
Aiken	74.00	86.86	74.71	78.52	4	*r* 96	29	84.00	27	66	7	71.00	5.4
All Saints	77.61	83.19	80.03	80.28	22	*p* 89	3	84.67	7	69	7	73.00	4.4
Charleston, [Dawson]	77.74	85.45	80.41	81.20	....	94	....	.....	....	70	....	.....	....
Charleston, [Johnson]	77.74	85.45	80.42	81.20	4	94	4	87.33	7	70	7	72.00	....
Columbia	74.55	86.16	79.03	79.91	4	95	4	86.67	26	*m* 68	6	73.67	3.4
St. John's	75.00	89.71	73.45	79.39	22	105	25	88.00	25	67	7	69.33	4.6
GEORGIA—													
Athens	70.48	80.41	72.03	74.31	29	88	21	79.50	8	64	8	66.63	4.5
Savannah	77.20	87.70	79.60	81.50	4	97	3	86.97	7	70	7	71.13	5.2
Sparta	72.48	88.26	76.33	79.02	4	*s* 94	21	83.67	11	62	8	73.67	4.3
Whitemarsh Island	78.16	84.33	78.35	80.28	3	94	3	86.00	7	69	7	70.00	4.8
FLORIDA—													
Alachua County (*t*)	73.93	84.83	77.40	78.72	1	93	4	84.33	2	70	5	74.00	3.6
Alligator	77.29	87.52	80.35	81.72	3	*g* 97	4	86.33	7	72	11	75.00	5.0
Atsena	80.29	83.84	81.52	81.88	2	*u* 88	4	86.67	7	*v* 76	26	77.33	4.9
Belair	77.45	87.32	86.58	83.78	4	96	4	88.33	7	*b* 74	12	77.00	4.5
Jacksonville	79.60	86.55	80.76	82.30	4	96	3	88.33	7	74	7	75.67	4.5
Micanopy	75.17	88.16	79.41	80.91	3	*g* 97	4	88.67	5	*b* 74	7	76.67	4.1
St. Augustine	81.03	86.10	80.11	82.41	4	*w* 94	4	88.00	12	*m* 75	27	77.33	4.0
Salt Ponds	81.58	87.97	.....	84.77	3	*x* 90	10	86.50	17	77	17	*y* 79.00	3.6
ALABAMA—													
Carlowville	75.35	91.84	77.90	81.70	20	96	5	87.00	1	72	3	76.67	2.3
Greene Springs	76.07	86.35	75.55	79.32	18	93	18	83.50	12	69	11	*p* 73.67	3.3
Greensborough	75.27	86.63	77.44	79.78	18	93	18	83.50	31	71	11	74.33	3.8
Selma	77.03	87.84	78.32	81.06	18	95	18	85.67	14	*z* 72	12	76.00	5.3
MISSISSIPPI—													
Columbus	75.51	88.36	77.42	80.43	18	94	19	*aa* 84.33	9	71	11	73.43	3.9
Natchez	77.74	86.71	81.94	82.13	18	*bb* 92	18	86.67	3	*cc* 74	3	77.33	3.2
Paulding	78.30	92.14	82.19	84.21	18	98	....	?	10	72	....	?	3.9

a Same temperature on the 6th.
b Same temperature on the 14th.
c Observations taken at 6¾ a. m., noon, and 6 p. m.
d Same temperature on the 29th.
e Same temperature on the 3d and 6th.
f Same temperature on the 25th.
g Same temperature on the 4th.
h Same temperature on the 8th and 15th.
i Same temperature on the 9th and 29th.
j Same temperature on the 14th and 15th.
k Incomplete.
l Same temperature on the 11th and 30th.
m Same temperature on the 27th.
n Same temperature on the 11th, 28th, and 29th.
o Same temperature on the 13th.
p Same temperature on the 30th.
q Same temperature on the 26th.
r Same temperature on the 19th.
s Same temperature on the 22d.
t Observations taken at 5 a. m., 2 p. m., and 9 p. m.
u Same temperature on the 3d and 4th.
v Same temperature on the 26th and 27th.
w Same temperature on the 31st.
x Same temperature on the 4th, 5th, 10th, 25th, 28th, 29th, and 30th.
y Same temperature on the 18th.
z Same temperature on the 15th and 16th.
aa Same temperature on the 20th.
bb Same temperature on the 24th.
cc Same temperature on the 5th, 13th, and 15th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
LOUISIANA—	°	°	°	°		°		°		°		°	
Black River	79.68	88.68	80.65	83.00	24	94	23	*a*86.67	14	74	4	78.33	3.8
New Orleans (*b*)	85.80	87.40	88.61	87.27	31	94	23	91.67	8	78	8	79.67	....
TEXAS—													
Austin, [Palm]	80.23	93.39	81.81	85.14	23	98	23	89.00	12	73	4	79.67	2.9
Austin, [Van Nostrand]	80.76	91.73	82.12	84.87	24	96	23	88.25	12	72	12	78.50	3.2
Goliad	78.43	90.96	79.86	83.08	24	95	26	87.33	26	75	4	80.00	2.9
Larissa	78.77	91.51	80.39	83.56	24	*a*97	19	87.67	4	72	4	70.00	2.8
New Braunfels	74.93	95.27	80.37	83.52	26	101	26	86.33	12	*c*71	12	76.17	1.6
Union Hill	68.45	90.84	68.90	76.06	20	99	20	81.00	14	*d*65	3	72.33	3.9
TENNESSEE—													
Glenwood	71.73	82.42	73.87	76.01	3	89	3	80.93	13	64	13	70.63	4.7
Memphis	79.61	87.58	79.06	82.08	21	*e*94	31	86.33	12	72	12	75.00	3.4
KENTUCKY—													
Bardstown	75.62	86.37	75.66	79.22	3	94	3	86.33	25	64	11	67.83	3.8
Danville	75.06	85.94	74.77	78.59	1	*f*90	3	84.00	13	66	12	70.67	2.6
Louisville (*g*)	73.71	85.52	79.35	79.53	3	94	3	85.67	12	*h*67	23	70.67	3.8
Paris	71.58	83.73	73.03	76.11	3	91	3	84.33	12	62	12	65.67	4.3
Springdale (*i*)	66.53	88.53	78.68	77.91	7	97	3	83.83	25	54	23	69.33	3.6
OHIO—													
Bellefontaine	72.18	81.99	69.33	74.50	6	*j*91	2	82.33	12	58	12	61.00	4.9
Bowling Green	71.25	81.85	69.92	74.34	28	92	9	81.70	24	58	12	63.90	3.9
Cincinnati, [Harper]	77.97	85.19	81.52	81.56	2	*k*93	3	86.67	13	*l*70	13	72.33	4.4
Cleveland	72.16	78.47	70.56	73.73	8	92	10	82.00	12	61	12	61.67	5.0
Cleveland, (near)	.....	.....	.....	77.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Collingwood	68.19	78.94	71.65	72.93	1	*m*88	1	80.67	6	50	7	60.67	....
Dayton	69.35	85.55	71.82	75.87	1	95	3	81.66	13	60	12	64.02	5.1
Edinburgh	71.19	81.00	69.71	73.97	2	90	2	82.00	25	58	11	65.33	4.3
Hillsborough	69.71	80.81	74.20	74.91	1	90	3	80.30	12	60	12	63.80	3.7
Hiram	69.96	78.71	69.26	72.64	1	89	1	79.67	12	*n*59	12	60.33	5.2
Jackson, Monroe county	74.70	86.58	70.88	77.39	2	95	3	83.17	23	63	12	68.33	4.1
Jefferson	77.48	85.35	83.35	82.06	2	*o*88	6	*j*85.33	23	*p*74	17	79.33	3.7
Lancaster	72.99	84.29	70.86	76.05	28	93	10	82.37	12	61	12	63.70	3.4
Madison, [Atkins]	71.42	76.96	67.52	71.97	10	88	....	?	23	54	....	?	4.7
Madison, [King]	72.03	78.42	66.26	72.24	10	*q*90	10	80.00	24	55	12	59.67	4.2
Medina	71.38	80.14	68.95	73.49	9	90	9	84.33	24	59	12	61.56	4.4
New Lisbon	75.42	92.35	75.45	81.07	1	105	1	89.33	25	64	12	68.33	2.8
Northwood (*r*)	73.59	85.21	76.40	78.40	3	*s*92	29	84.00	24	64	21	70.00	5.6
Ripley (*r*)	70.46	84.10	75.50	76.69	8	95	28	82 33	24	*h*63	12	67.67	5.6
Savannah	75.26	86.65	70.84	77.58	6	*s*97	2	85.67	24	54	12	65.00	5.5
Urbana	71.26	84.42	70.42	75.37	3	*t*90	3	81.00	25	59	12	64.67	4.6
Welchfield	73.83	82.87	68.45	75.05	1	101	1	86.67	12	*a*59	12	61.00	3.8
Westerville (*u*)	73.02	89.02	74.07	78.70	3	91	8	86 33	24	62	24	67.33	4.3
Windham	67.10	80.19	69.42	72.24	1	*v*89	29	79.67	24	58	12	63.00	....
MICHIGAN—													
Battle Creek	69.03	82.61	70.68	74.11	8	96	9	84.00	12	57	10	61.00	3.2
Cooper	78.13	86.45	77.61	80.73	1	*w*98	2	89.00	12	*x*56	12	58.00	0.5
Detroit	72.29	86.29	72.12	76.90	9	98	9	88.33	24	56	24	66.33	4.6
Forrestville (*y*)	65.54	72.97	69.76	70.07	26	88	26	*z*80.00	19	*aa*56	11	59.25	4.8
Grand Rapids, [Streng]	67.22	84.42	69.00	73.55	6	93	2	80.33	11	58	11	62.67	4.6
Marquette	60.09	71.95	58.35	63.46	6	92	6	77.97	4	*bb*44	8	48.20	5.7
Monroe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.6

a Same temperature on the 24th.
b Observations taken at 9 a. m., noon, and 3 p. m.
c Same temperature on the 19th.
d Same temperature on the 27th.
e Same temperature on the 28th and 31st.
f Same temperature on the 3d, 17th, and 29th.
g Observations taken at 7 a. m., 3 p. m., and 7 p. m.
h Same temperature on the 25th.
i Observations taken at 5 a. m., 2 p. m., and 7 p. m.
j Same temperature on the 7th and 8th.
k Same temperature on the 3d.
l Same temperature on the 14th.
m Same temperature on the 3d, 8th, and 9th.
n Same temperature on the 23d and 24th.
o Same temperature on the 3d, 5th, 6th, 7th, and 8th.
p Same temperature on the 25th and 26th.
q Same temperature on the 8th.
r Incomplete.
s Same temperature on the 28th.
t Same temperature on the 10th, 28th, and 29th.
u Observations interrupted from the 10th to the 15th, inclusive.
v Same temperature on the 3d and 29th.
w Same temperature on the 2d and 3d.
x Same temperature on the 13th.
y Observations taken at 6 a. m., 9 a. m., 3 p. m. and 6 p. m.; mean at 9 a. m., 72.01.
z Same temperature on the 9th.
aa Same temperature on the 25th.
bb Same temperature on the 11th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
New Buffalo (*a*)	73.61	79.35	66.07	73.01	9	92	2	83.67	13	*b* 54	13	64.00	6.8
Port Huron	68.89	80.00	65.17	71.35	2	92	7	80.33	19	*c* 55	23	64.00	4.6
INDIANA—													
Cannelton	74.26	85.09	71 52	77.96	8	90	3	83.00	26	65	13	70.60	3.4
Evansville	77.89	84.74	80.17	80.93	3	90	8	85.67	13	*d* 71	12	72.42	4.6
Logansport	70.90	86.97	74.68	77.52	9	96	9	84.67	14	59	12	65.33	4.7
Madison	73.03	83.32	75.79	77.38	7	*e* 90	3	83.00	24	64	23	69.00	3.0
Michigan City	69.92	78.48	69.92	72.77	28	93	9	82.50	12	*f* 58	12	61.16	5.1
New Harmony	78.13	85.94	76.87	80.31	2	*g* 93	2	*g*85.67	12	68	12	71.00	4.2
Richmond	70.80	82.21	71.03	74.68	7	*h* 89	7	81 00	12	58	12	64.50	4.5
ILLINOIS—													
Athens	72.64	85.93	73.06	77.21	8	*i* 95	31	84.33	12	60	12	65.67	4.9
Augusta	70.23	80.74	73.23	74.73	1	91	8	*e*80.00	12	61	12	64.33	4.6
Aurora	69.07	81.16	67.03	72.42	8	*e* 90	2	79.67	4	58	11	64.00	5.4
Batavia	69.19	84.13	67.22	73.51	1	*j* 97	9	86.00	23	53	12	63.33	6.3
Batavia, [Capon]	69.48	80.71	68.13	72.77	5	*k* 92	28	80.67	23	56	11	64.00	6.2
Brighton	70.90	88.58	80.39	79.96	28	*i* 94	28	86.00	21	59	11	70.33	4.3
Edgington	68.39	81.98	71.10	73.82	30	93	2	*l*79.33	5	58	12	64.33	7.0
Elgin	68.32	78.77	67.13	71.41	8	90	2	*g*77.33	23	57	12	63.00	6.1
Jacksonville (*m*)	72.84	88.00	75.01	78.61	1	*n* 96	27	84.22	13	62	12	68.11	....
Manchester (*a*)	72.26	92.97	72.81	78.68	31	92	8	82.67	12	60	12	66.00	4.6
Marengo	73.42	80.52	68.06	74.00	8	96	8	84.67	23	58	11	*o* 64.67	6.2
Ottawa	68.74	79.93	70.46	73.04	28	91	28	81.33	4	*p* 60	19	*d* 67.33	6.4
Pekin	71.90	83.65	71.39	75.65	6	94	8	82.33	24	62	12	64.33	5.8
Peoria	73.20	86.47	74.33	78.00	8	*q* 96	8	86.00	24	62	12	66.50	5.3
Riley	68.19	79.29	65.77	71.08	8	92	2	77.67	25	54	11	62.33	4.6
Upper Alton	73.21	84.03	74.90	77.38	20	89	3	84.33	24	60	12	67.33	2.1
Warsaw	71.81	83.55	70.58	75.31	30	94	28	83.67	12	56	12	64.00	6.0
Waynesville	67.47	83.77	75.38	75.54	9	93	21	81.00	24	54	12	65.33	5.6
West Salem	74.77	89.48	75.65	79.97	9	96	3	85.33	13	65	12	71.33	3.9
West Urbana	75.16	85.19	74.06	78.14	8	96	8	87.00	24	61	11	67.00	5.1
Wheaton	69.00	79.33	69.50	72.61	8	91	30	82.16	23	56	12	61.76	5.8
Winnebago	68.97	80.92	68.65	72.85	1	91	28	79.33	5	59	11	64.50	6.3
MISSOURI—													
St. Louis	78.50	88.70	79.30	82.17	9	99	2	90.50	24	66	12	71.33	3.6
WISCONSIN—													
Appleton	66.84	79.79	67.48	71.37	1	*g* 89	1	80.67	11	54	11	60.00	3.4
Bay City	60.87	69.03	60.84	63.58	6	99	6	84.33	8	*r* 50	8	*q* 51.33	4.1
Beloit	70.61	80.67	67.68	72.95	28	91	21	*c*79.67	12	*f* 60	12	64.00	4.3
Green Bay	67.35	77.71	68.94	71.33	1	98	1	83.33	12	57	11	61.33	3.9
Kenosha	68.79	75.55	67.77	70.70	30	85	28	78.50	12	57	4	62.67	3.3
Madison, [Sterling] (*s*)	71.36	77.54	69.50	72.80	7	85	7	80.33	11	60	11	62.33	6.4
Manitowoc	69.10	75.06	64.71	69.62	2	*l* 84	2	78.00	12	54	12	60.33	5.8
Milwaukee, [Lapham]	----	----	----	----	----	----	----	----	9	*p* 49	----	----	----
Milwaukee, [Pomeroy]	68.39	75.61	65.19	69.73	29	88	1	76.00	4	*u* 56	4	60.67	6.7
Milwaukee, [Winkler]	68.26	79.35	65.16	70.92	15	89	2	78.83	4	*u* 58	12	62.67	3.8
New Danemora (*v*)	65.27	75.54	72.66	71.16	7	85½	7	78.66	11	55¾	11	59.44	....
New London	62.03	76.77	66.19	68.33	8	89	8	75.67	13	50	13	60.00	4.3
Platteville	70.51	85.84	73.12	76.49	1	96	1	84.67	13	62	11	*o* 67.33	6.0
Waukesha	69.39	81.97	68.06	73.14	1	92	2	*g*80.00	12	58	12	65.33	4.3
IOWA—													
Bellevue	69.42	81.29	69.68	73.46	21	92	6	79.57	13	61	11	67.33	6.7
Border Plains	71.65	80.87	70.65	74.39	7	*l* 92	30	84.00	11	61	11	67.00	6.5

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Same temperature on the 23d.
c Same temperature on the 22d.
d Same temperature on the 25th.
e Same temperature on the 21st.
f Same temperature on the 13th.
g Same temperature on the 7th.
h Same temperature on the 10th.
i Same temperature on the 31st.
j Same temperature on the 6th, 7th, and 8th.
k Same temperature on the 28th.
l Same temperature on the 30th.
m Observations taken at morning, 1 p. m., and sunset.
n Same temperature on the 14th and 27th.
o Same temperature on the 12th.
p Same temperature on the 24th.
q Same temperature on the 9th.
r Same temperature on the 9th, 11th, and 12th.
s Observations interrupted in the latter part of the month.
t Same temperature on the 15th and 30th.
u Same temperature on the 11th and 12th.
v Observations taken at 6 a. m., noon, and 6 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
Iowa—Continued.	°	°	°	°		°		°		°		°	
Dubuque	69.94	79.26	71.23	73 48	6	90	6	80.67	11	61	11	63.33	5.3
Fairfield	73.55	81.37	72.71	75.88	31	92	6	84.33	12	60	11	66.67	6.1
Fort Madison (*z*)	72.13	82.13	74.35	76.20	1	94	1	84.00	11	*b* 64	11	66.00	5.4
Franklin	68.39	79.00	69.65	72.35	8	88	1	78 33	11	58	11	62.00	5.5
Iowa City	71.68	80.53	71.05	74.42	6	92	6	83.00	14	63	11	*b* 66.50	6.2
Muscatine	67.55	80.45	69.71	72.57	7	*c* 89	7	80.33	13	52	12	61.67	6.1
Pleasant Plain	72.93	85.29	71.16	76.46	9	96	22	84.67	13	60	13	66.67	5.6
Poultney	68.92	79.70	66.17	71.60	1	93	1	82.33	13	55	11	62.00	6.7
Sioux City	68.92	79.61	69.35	72.63	19	90	30	81.50	12	*d* 59	---	?	5.9
Minnesota—													
Burlington	53.70	67.10	60.26	60.35	6	95	6	77.33	11	*d* 46	9	49.00	----
Forest City	66.97	76.58	66.58	70.04	20	86	6	78.00	8	52	11	56.33	2.3
Hazlewood	67.93	77.61	68.13	71.32	6	88	6	80.00	8	57	11	63.00	4.6
Lapham (*e*)	65.61	77.40	66.57	69.86	19	98	21	86.00	7	*f* 50	9	57.33	5.4
Wabashaw	68.26	80.19	68.03	72.16	7	93	17	78.67	12	56	11	59.33	4.5
Nebraska—													
Bellevue	71.23	79.65	71.87	74.25	30	*g* 88	7	*e*81.00	26	62	26	63.37	4.3
Brownville	76.32	87.74	74.61	79.56	19	98	19	87.33	3	65	26	67.67	4.6
Elkham	71.93	85.55	72.23	76.57	14	98	9	85.00	10	*h* 63	26	67.67	5.5
Omaha	73.35	84.67	72.03	76.68	14	94	7	84.67	26	63	26	67.33	4.9
Kansas—													
Burlingame	73.06	85.19	73.00	77.08	20	95	20	82.67	12	66	11	71.67	3.8
Lawrence	76.32	88.58	77.45	80.78	20	96	20	87.00	11	*i* 69	11	72.33	3.6
Leavenworth City, [McCarty]	77.45	87.45	75.39	80.10	19	96	7	88.33	9	66	10	72.00	5.1
Manhattan	78.94	91.23	76.52	82 23	25	100	19	90.33	4	*j* 65	10	72.67	4.4
Mapleton	79.29	92.96	76.54	82.93	18	102	19	89.33	12	*k* 69	10	74.33	2.6
Mexico—													
Cordova (*l*)	70.61	73.38	71.06	71.91	26	78.44	----	-------	12	68	----	---------	----
Minatitlan (*m*)	74.79	83.00	-------	78.59	9	86	10	80.50	7	71	1	*n* 76.50	----
Mirador (*o*)	66.74	75.58	68.33	70.22	----	-------	----	73.58	----	-------	----	66.67	----
Vera Cruz (*p*)	80.08	-------	80.92	80.50	----	-------	----	-------	----	-------	----	---------	----
California—													
Marysville	68.77	89.09	76.45	78.10	10	103	10	90.67	28	*q* 60	28	68.33	0.6
Sacramento	65.97	77.35	69.39	70.90	11	97	11	85.67	24	*q* 59	29	62.67	0.4
San Francisco	56.65	66.52	54.48	59.22	1	82	1	67.00	9	52	26	56.00	3.8
West Indies—													
Nassau, Bahamas (*r*)	-------	-------	-------	88.50	----	-------	29	*e*90.00	----	-------	17	86.00	----
Central America—													
Guatemala (*s*)	57.74	71.60	61.70	66.27	?	79.3	----	-------	?	51.1	----	---------	----
South America—													
Caracas, Venezuela	69.00	79.30	71.70	73.33	6	*t* 82	24	75.67	15	65	11	70.60	6.3
Catharina Sophia, Surinam (*u*)	74.39	85.72	80.07	80.06	22	91	22	*e*2.00	9	72	7	76.33	4.7

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 12th.
c Same temperature on the 30th.
d Same temperature on the 13th.
e For the first 23 days of the month.
f Same temperature on the 4th.
g Same temperature on the 31st.
h Same temperature on the 12th and 25th.
i Same temperature on the 25th.
j Same temperature on the 11th.
k Same temperature on the 14th and 15th.
l Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m, 72.41, and at 6 p. m, 72.11.
m Observations taken at 7 a. m. and 3 p. m.
n Same temperature on the 5th.
o Observations taken at 7 a m, 2 p. m, and 8 p. m.
p Observations taken at 7 to 8 a. m., and at 9 p. m. to 11 p. m.
q Same temperature on the 29th.
r Mean obtained from daily maximum and minimum.
s Observations taken at 6 a. m., 9 a m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 68.18; mean at noon, 72.14.
t Same temperature on the 10th and 24th.
u Observations taken at 6 a. m., 2 p. m., and 6 p m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.	WARMEST DAY.			LOWEST DEG.	COLDEST DAY.			
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	72.00	.....	70.84	71.42	9	84	10	82.50	23	58	23	*b* 59.50	....
Montreal	62.08	71.95	65.08	66.37	18	84	10	77.67	23	52	23	54.67	5.1
Moose Factory (*c*)	.....	.....	.....	56.50	....	.....	....	.....	....	.....	....	.....	....
Red River Settlement	59.97	72.67	.....	66.32	11	*d* 82	....	?	28	40	....	?	4.2
St. John's	60.42	67.77	59.13	62.44	12	83	12	74.67	1	*e* 50	2	52.00	....
St. Martin (*f*)	58.51	77.12	63.31	66.31	14	94	10	78.73	19	39	24	55.17	....
Stanbridge	61.87	72.97	61.97	65.60	11	83	11	75.33	23	47	23	49.67	4.5
Toronto (*f*)	61.62	73.97	65.37	66.99	6	*g* 82	10	77 07	24	45	23	59.00	4.2
Windsor	59.50	68.80	61.27	63.19	10	82	10	72.60	24	48	21	53.20	6.4
Wolfville	61.07	68.57	61.87	63.84	15	80	15	73.00	26	49	21	53.33	6.1
MAINE—													
Cornish, [Guptill]	62.00	71.12	65.58	66.23	19	80	29	71.66	20	51	24	54.00	4.9
Cornish, [West]	59.80	69.83	60.16	63.26	18	80	18	72.33	23	45	23	51.00	4.9
Gardiner	60.85	70.02	71.21	67.36	6	*h* 77	18	71.00	26	42	23	54.67	6.6
Perry	57.26	66.17	56.81	60. 8	11	77	11	67.17	25	48	21	54.00	5.3
Portland	61.92	69.26	62.18	64.45	6	79	6	*i* 71.33	24	49	4	59.00	5.6
Steuben	58.29	66.61	56.29	60.40	8	*j* 73	6	69.33	23	*k* 47	23	53.33	6.4
NEW HAMPSHIRE—													
Concord	60.97	75.14	61.31	65.81	18	86	18	*b* 73.67	24	45	23	56.00	4.9
Shelburne	60.06	77.44	61.15	66.22	8	92	11	76.33	26	45	23	51.67	5.3
Stratford	58.58	71.42	58.58	62.86	18	83	18	72.33	23	44	23	49.00	5.4
West Enfield	60.19	74.06	62.13	65.46	13	83	17	74.33	22	47	22	52.67	4.3
VERMONT—													
Brandon	60.45	74.32	62.26	65.68	11	87	11	*i* 74.16	23	46	23	51.16	4.5
Burlington	61.47	70.16	62.87	64.83	11	*l* 78	18	71.33	23	48	23	51.50	3.9
Craftsbury	58.29	71.16	61.10	63.52	10	*m* 81	10	*m* 71.00	23	44	23	48.00	4.7
Rupert	62.84	79.00	69.94	70.59	18	90	18	78.67	23	*n* 50	23	60.00	4.5
St. Johnsbury	57.68	72.33	59.10	63.04	9	*o* 82	18	71.33	24	40	23	46.33	5.4
MASSACHUSETTS—													
Amherst (*p*)	63.32	75.23	65.00	67.85	....	?	....	?	...	?	....	?	....
Cambridge	62.19	73.52	63.00	66.24	18	85	18	76.00	24	50	23	57.00	5.3
Florida	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.8
Lawrence	59.45	73.13	63.00	65.19	18	85	18	*b* 73.33	24	44	23	54.00	5.4
Mendon	61.45	72.51	63.09	65.68	18	*b* 81	29	73.33	24	49	23	56.33	4.9
Nantucket	65.66	71.44	64.31	67.14	6	80	6	73.50	26	58	23	62.00	5.0
New Bedford	63.70	71.60	63.40	66.23	6	82	6	72.80	24	51	24	57.30	6.3
Newburyport (*q*)	61.65	71.43	61.04	64.71	31	86	....	?	24	49	....	?	?
Westfield	59.65	73.48	63.06	65.40	18	84	11	72.67	20	49	23	55.33	4.8
Williamstown	59.94	71.11	63.90	64.98	17	*r* 82	17	*r* 72.00	24	43	23	54.33	4.4
Worcester	62.59	72.93	63.50	66.34	18	81	18	75.67	23	52	....	?	5.3
RHODE ISLAND—													
Providence (*s*)	62.20	73.10	64.00	66.43	18	*b* 80	18	76.67	24	49	....	?	5.2
CONNECTICUT—													
Columbia	62.16	74.42	62.33	66.30	16	86	17	*i* 73.00	23	50	23	55.33	5.2
Pomfret	60.94	70.22	61.78	64.31	18	78	18	72.10	23	50	23	54.70	5.3
Saybrook	66.35	74.13	65.69	68.72	18	84	18	77.33	24	52	3	*t* 62.33	5.0
Wallingford	60.63	74.97	64.44	66.68	16	83	18	75.17	24	45	23	55.17	3.7
NEW YORK—													
Bellport	66.03	73.00	65.90	68.31	6	82	17	74.33	19	53	23	58.33	4.6
Buffalo (*u*)	67.97	74.24	69.90	70.70	12	82	10	77.00	29	56	29	59.67	3.7
Canton	63.36	74.73	63.89	67.30	10	88	10	77.33	19	44	23	49.67	4.8
Clinton	66.41	78.16	64.45	69.67	18	92	11	79.67	19	48	19	*t* 54.67	5.1

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 29th.
c Observations taken at sunrise, 2 and 10 p. m.
d Same temperature on the 12th.
e Same temperature on the 2d, 3d, and 21st.
f Observations taken at 6 a. m., 2 p. m., and 6 p. m.
g Same temperature on the 9 h.
h Same temperature on the 13th and 18th.
i Same temperature on the 18th.
j Same temperature on the 13th.
k Same temperature on the 25th.
l Same temperature on the 8th.
m Same temperature on the 11th and 12th.
n Same temperature on the 24th.
o Same temperature on the 11th.
p Observations interrupted from the 13th to the 28th, inclusive.
q Incomplete.
r Same temperature on the 22d.
s Observations taken at 6 a. m., 1 p. m., and 10 p. m.
t Same temperature on the 23d.
u Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Fishkill Landing	63.61	75.97	67.61	69.06	5	*a* 84	6	75.33	24	48	23	57.67	3.8
Flatbush	66.34	76.78	66.68	69.60	16	86	18	77.90	24	54	23	59.80	4.5
Fort Edward	62.36	74.55	65.81	67.57	11	84	18	73.67	20	50	19	60.00	4.7
Houseville	60.70	72.77	60.77	64.75	10	89	10	76.67	23	44	19	49 00	5.1
Nicho's	62.65	79.06	61.10	67.60	11	92	10	77.00	23	44	23	53.67	5.0
Rochester	64.32	75.87	68.35	69.51	9	89	9	78.33	30	50	19	56.67	4.2
Sag Harbor	66.19	78.52	66.58	70.43	1	*b* 85	18	76.67	24	54	23	62.33	4.6
Waterford	64.74	76.42	66.19	69.12	11	*c* 85	11	76.67	24	52	23	59.00	4.1
NEW JERSEY—													
Bloomfield	65.39	78.42	66.13	69.98	5	89	5	77.67	24	47	23	58.17	3.7
Freehold	67.15	77.58	67.30	70.68	18	88	18	80.00	23	52	23	58.25	----
Lambertville	66.09	81.59	66.37	71.35	17	92.5	----	-------	24	40	----	---------	----
Newark (*d*)	-------	-------	-------	69.41	18	84	12	76.12	24	48	24	59.35	----
PENNSYLVANIA—													
Bedford	65.96	80.69	69.04	71.90	10	89	5	80.00	24	48	24	61.00	5.0
Berwick	64.97	77.55	67.58	70.03	11	92	11	77.67	20	52	19	60.33	3.8
Cannonsburg	64.70	78.65	71.19	71.51	5	*e* 88	5	79.33	25	50	30	58.33	4.7
Chambersburg	71.74	80.55	71.03	74.44	17	93	6	84.33	24	54	24	63 33	4.7
Easton (*f*)	64.52	77.35	64.85	68.91	16	90	16	*c* 76.33	24	48	24	58.00	4.8
Fleming	63.81	78.90	65.45	69.39	11	89	5	77.00	24	44	24	53.33	4.5
Gettysburg	66.29	80.77	70.07	72.38	17	90	17	82.67	24	48	23	62.33	4.4
Harrisburg, [Heisely]	70.50	80.55	75.57	75.54	18	91	11	83.33	24	56	24	66.67	4.3
Harrisburg, [Hickok]	66.02	78.05	70.74	71.60	18	91	18	80.00	24	50	24.	61.00	5.2
Indiana	66.90	78.29	67.61	70.93	9	87	9	78.33	19	*g* 55	23	58.67	4.9
Lewisburg	64.88	77.25	67.07	69.73	18	90	6	79.10	24	46	24	57.77	6.0
Meadville	62.87	78.23	62.68	67.93	9	*h* 90	10	78.33	23	*i* 46	23	54.67	4.1
Morrisville	65.81	78.52	67.97	70.77	5	*c* 86	4	*j* 78.00	24	54	23	62.00	3.1
Mount Joy	70.84	80.56	72.76	74.72	11	96	11	83.50	24	57	23	65.00	4.4
Murrysville	65.32	79.13	65.97	70.14	11	89	5	80.00	26	49	24	56.33	4.8
Norristown	65.92	76.63	68.65	70.40	17	89	5	*k* 77.30	24	49	24	60.33	5.0
North Whitehall (*l*)	63.16	77.06	71.77	70.66	11	90	11	79.67	24	43	20	*i* 59.00	3.8
Paradise	-------	-------	-------	77.00	----	------	----	-------	----	-------	----	---------	----
Philadelphia	70.08	81.06	73.81	74.98	17	90	6	82.30	20	*i* 58	23	65.00	5.4
Pittsburg, [Martin]	68.67	79.19	71.64	73.17	11	89	5	82.33	24	51	24	60.33	5.0
Pittsburg, [Wilson]	66.39	81.42	71.23	73.01	8	*m* 94	10	83.00	24	51	29	58.67	----
Pocopson	69.26	81.77	69.23	73.42	5	*b* 90	18	80.67	24	54	24	63.00	5.2
Shamokin (*n*)	56.10	74.71	66.03	65.61	18	88	18	76.00	24	28	24	52.00	5.5
Somerset	62.74	78.42	65.61	68.92	10	88	5	*o* 76.33	24	46	23	55.33	5.8
Tarentum	65.68	79.77	66.00	70.48	10	*p* 90	5	79.67	24	46	23	57.33	4.6
Westtown	67.21	78.01	67.46	70.89	6	88	6	*o* 78.67	20	53	23	58.53	5.3
DELAWARE—													
Georgetown (*q*)	72.74	82.03	77.19	77.32	5	93	5	88.33	23	62	14	69.33	----
MARYLAND—													
Annapolis	69.90	80.80	75.70	75.47	5	92	5	83.00	24	57	23	66.67	3.6
Baltimore	68.72	79.63	73.18	73.84	5	*c* 89	5	82.00	24	55	24	63.83	5.4
Bladensburg	67.15	84.77	67.79	73.24	4	93	----	?	24	51	----	?	4.6
Frederick	68.52	79.19	70.70	72.80	5	88	5	82.00	24	53	24	63.17	4.3
Leitersburg	67.65	82.13	69.45	73.08	5	93	5	82.00	24	48	23	59.67	3.0
Sykesville	66.71	76.68	69.61	71.00	11	85	6	78.00	24	*r* 55	23	61.33	4.4
DISTRICT OF COLUMBIA—													
Washington	70.03	80.05	74.03	74.70	5	90	5	82.67	24	57	23	63.67	4.3
VIRGINIA—													
Buffalo	77.03	86.32	77.06	80.14	8	*p* 94	11	86.67	30	63	30	69.33	4.2
Crichton's Store (*s*)	73.77	88.31	82.77	81.62	12	100	----	?	26	54	----	?	4.0

a Same temperature on the 6th and 11th.
b Same temperature on the 16th.
c Same temperature on the 18th.
d Observations taken at 7 a. m. and 6 p. m.
e Same temperature on the 9th, 11th, 17th, and 18th.
f Observations taken at 7 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 24d and 24th.
h Same temperature on the 10th and 11th.
i Same temperature on the 24th.
j Same temperature on the 5th and 6th.
k Same temperature on the 6th and 17th.
l Observations taken at sunrise, noon, and sunset.
m Same temperature on the 10th, 11th, and 12th.
n Observations taken in the night. Mean, 49.58.
o Same temperature on the 11th.
p Same temperature on the 11th and 18th.
q Observations taken at 8 a. m., 1 p. m., and 6 p. m.
r Same temperature on the 25th and 26th.
s Incomplete. Observations taken at 7 a. m., noon, and 6 p. m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Hartwood	73. 10	85. 74	73. 19	77. 34	11	98	5	85. 00	23	*a* 62	23	68. 67	----
Holliday's Cove (*b*)	------	83. 27	------	------	10	*c* 99	----	-------	29	62	----	-------	----
Kanawha	69. 75	81. 55	70. 00	73. 77	17	91	13	80. 67	25	57	23	63. 33	5. 3
Lewinsville	68. 42	82. 08	71. 31	73. 94	16	94	18	84. 16	24	55	23	64. 00	4. 0
Lewisburg	65. 00	83. 94	67. 39	72. 11	8	92	5	78. 67	23	51	23	59. 33	3. 2
Meadow Dale	57. 26	74. 71	66. 68	66. 22	5	*d* 83	6	73. 33	24	41	23	54. 00	----
Montross	70. 74	82. 06	71. 87	74. 89	5	92	5	83. 67	24	54	23	*e* 64. 67	4. 1
Poplar Grove	68. 19	85. 39	67. 90	73. 83	17	94	12	*f* 80.00	24	50	31	61. 00	4. 9
Portsmouth	73 64	86. 19	72. 58	77. 47	2	*g* 100	4	88. 33	25	56	25	65. 33	2. 5
Rose Hill (*h*)	72. 88	81. 40	76. 43	76. 90	5	90	5	84. 60	24	63	----	?	4. 5
Rougemont	73. 30	85. 00	78. 40	78. 90	5	95	6	87. 33	24	60	30	67. 00	5. 2
Smithfield	70. 40	81. 14	75. 01	75. 52	2	*i* 91	2	86. 40	25	57	25	64. 50	4. 8
Wirt Court-House	68. 29	81. 29	69. 10	72. 89	11	93	9	81. 67	24	*j* 54	30	60. 00	4. 4
NORTH CAROLINA—													
Chapel Hill	72. 55	88. 68	74. 52	78. 58	11	98	1	*k* 85. 67	25	*l* 64	23	70. 33	4. 4
Davidson College (*m*)	73. 72	88. 16	79. 10	80. 33	3	*n* 93	2	84. 50	15	67	----	?	3. 0
Gaston	71. 68	86. 77	72. 81	77. 09	2	*o* 100	5	87. 00	24	58	24	64. 67	----
Marlborough	74. 72	87. 68	74. 88	79. 09	1	*p* 98	2	*q* 86. 33	26	63	27	68. 00	5. 3
Murfreesborough	73. 68	85. 82	75. 22	78. 24	4	98	4	88. 67	24	58	24	65. 33	3. 9
SOUTH CAROLINA—													
Aiken	72. 27	87. 64	73. 50	77. 80	4	100	4	83. 33	24	*j* 62	24	65. 33	5. 0
All Saints	77. 45	83. 68	80. 32	80. 48	7	89	7	*r* 84. 33	24	*s* 71	24	74. 67	4. 3
Charleston, [Dawson]	78. 22	85. 25	80. 67	81. 38	----	93	----	-------	----	72	----	-------	----
Charleston, [Johnson]	78. 23	85. 26	80. 68	81. 39	3	*r* 93	3	87. 00	23	72	24	74. 67	----
Columbia	74. 23	87. 87	78. 71	80. 27	3	99	3	91. 00	30	65	24	69. 00	4. 7
St. John's	74. 68	93. 15	73. 80	80. 54	3	108	----	?	23	*s* 66	----	?	4. 8
GEORGIA—													
Athens	72. 97	84. 13	73. 91	77. 00	12	92	8	83. 57	30	62	30	69. 60	4. 3
Savannah	76. 50	86. 50	78. 90	80. 63	3	96	3	86. 87	30	69	24	73. 80	4. 8
Sparta	71. 71	87. 61	77. 10	78. 81	3	98	3	84. 67	30	59	25	67. 53	4. 7
Whitemarsh Island	78. 42	84. 48	78. 23	80. 38	7	92	3	85. 67	24	*a* 71	24	73. 67	5. 0
FLORIDA—													
Alachua County (*t*)	74. 87	84. 73	76. 97	78. 86	3	92	3	83. 00	31	68	28	71. 67	4. 1
Alligator	75. 23	88. 58	78. 52	80. 78	2	100	2	89. 33	31	70	28	74. 67	5. 2
Atsena	80. 16	84. 74	80. 74	81. 88	4	*u* 90	1	86. 00	16	71	30	78. 67	4. 7
Belair	75. 97	88. 47	79. 73	81. 39	3	*g* 96	3	87. 00	31	60	31	67. 67	4. 8
Jacksonville	79. 33	86. 48	80. 23	82. 01	3	94	3	87. 00	24	*v* 75	29	77. 33	4. 1
Micanopy	77. 32	89. 18	77. 34	81. 28	3	*s* 96	3	86. 00	31	71	29	74. 00	5. 5
St. Augustine	81. 74	85. 61	80. 61	82. 65	3	92	3	85. 33	29	*a* 76	30	78. 33	3. 7
Salt Ponds	82. 71	88. 68	-------	85. 70	2	*q* 92	2	*q* 88. 00	6	80	8	83. 50	3. 9
ALABAMA—													
Carlowville	75. 42	87. 13	74. 87	79. 14	8	93	21	84. 67	30	*s* 58	30	60. 67	3. 6
Greene Springs	71. 21	87. 62	75. 41	78. 08	7	95	7	85. 00	30	55	30	64. 33	4. 0
Selma	75. 55	88. 77	76. 03	80. 12	7	96	7	87. 67	30	61	30	67. 67	4. 7
MISSISSIPPI—													
Columbus	72. 25	88. 45	75. 50	78. 73	8	96	1	84. 27	30	58	30	64. 67	2. 9
Natchez	74. 78	86. 32	81. 71	80. 94	7	91	22	*w* 85. 00	30	*s* 58	30	68. 00	3. 7
Paulding	75. 13	90. 45	79. 69	81. 76	2	97	2	84. 17	30	60	30	68 50	3. 7
LOUISIANA—													
Black River	76. 45	88. 84	79. 42	81. 57	8	95	8	86. 00	30	*s* 62	30	68. 67	3. 3
New Orleans (*x*)	85. 00	88. 00	88. 90	87. 30	1	*q* 95	2	*y* 91. 33	30	75	30	77. 67	----

a Same temperature on the 30th and 31st.
b For the last 22 days of the month.
c Same temperature on the 11th.
d Same temperature on the 6th and 17th.
e Same temperature on the 24th.
f Same temperature on the 18th.
g Same temperature on the 4th.
h Incomplete.
i Same temperature on the 6th.
j Same temperature on the 25th.
k Same temperature on the 2d, 3d, and 4th.
l Same temperature on the 29th and 30th.
m For the first 23 days of the month.
n Same temperature on the 4th, 6th, 7th, and 12th.
o Same temperature on the 6th and 12th.
p Same temperature on the 2d and 4th.
q Same temperature on the 3d.
r Same temperature on the 7th.
s Same temperature on the 31st.
t Observations taken at 5 a. m., 2 p. m., and 9 p. m.
u Same temperature on the 8th.
v Same temperature on the 25th and 26th.
w Same temperature on the 13th.
x Observations taken at 9 a. m., noon, and 3 p. m.
y Same temperature on the 2d and 27th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
TEXAS—													
Austin, [Palm]	78.13	93.48	82.39	84.67	14	*a* 98	19	*a* 88.67	29	68	29	79.00	3.2
Austin, [Van Nostrand]	79.08	93.79	81.44	84.77	20	98	20	89.83	30	70	29	79.08	3.5
Goliad	78.40	91.36	80.56	83.44	20	*c* 96	21	*d* 85.33	29	72	29	80.00	4.1
Larissa	76.43	92.90	80.13	83.15	14	*e* 100	22	*f* 87.67	29	*g* 63	29	72.67	1.7
New Braunfels	77.06	97.29	83.60	85.78	14	*h* 102	20	*i* 88.33	29	70	29	79.00	2.0
Union Hill	69.90	90.26	69.90	76.69	14	*f* 98	27	82.67	9	*j* 65	1	*k* 74.67	3.6
TENNESSEE—													
Glenwood	68.84	81.71	71.01	73.85	13	90	13	80.93	31	54	29	60.07	4.3
Memphis	74.87	85.61	75.61	78.70	1	*l* 95	3	86 67	29	59	29	62.00	3.3
KENTUCKY—													
Bardstown	70.77	83.16	71.82	75.25	12	93	2	*m* 83 50	31	53	28	60.33	4.3
Danville	72.32	83.93	72.50	76.25	7	*n* 93	17	83.00	30	60	28	*j* 64.33	2.8
Louisville (*o*)	70.42	82.45	75.52	76.13	1	*k* 93	2	85.00	30	55	29	61.67	4.2
Paris	67.42	81.87	71.23	73.51	5	*p* 91	1	81.67	31	50	28	*q* 61.33	5.4
Springdale (*r*)	64.24	86.95	76.48	75.89	7	98	2	85.67	24	*s* 47	28	61.67	4.7
OHIO—													
Bellefontaine	67.42	77.10	65.21	69.91	7	*t* 91	7	82.33	30	51	29	55.00	5.2
Bowling Green	66.83	79 91	67.26	71.33	10	92	10	82.50	24	45	23	51.00	3.7
Cincinnati, [Harper]	77.38	82.37	80.23	79.99	5	*u* 89	6	86.67	31	60	30	66.00	4.6
Cleveland	67.27	75.71	66.65	69.88	8	90	8	80.67	24	53	29	55.67	4.8
Cleveland, (near)	------	------	------	72.00	----	------	----	------	----	------	----	------	----
Collingwood	67.19	76.68	69.13	71.00	8	*v* 88	5	81.00	24	50	23	55.33	----
Dayton	65.75	82.85	68.45	72.72	6	97	6	83.01	25	50.4	23	58.32	4.8
Edinburg	66.19	76.13	63.94	68.75	11	*w* 88	11	79.00	23	46	24	53.00	4.7
Hillsborough	66.39	78.15	69.98	71.51	5	88	5	79.67	24	53	30	59.33	3.9
Hiram	65.38	75.52	65.06	68.65	8	*x* 85	10	77.33	24	50	29	54.33	4.9
Hudson	66.06	75.78	67.09	69.64	11	86	11	78.50	25	51	30	54.50	4.4
Jackson, (Monroe county)	69.73	82.11	67.47	67.47	5	92	12	81.33	23	54	----	?	4.6
Jefferson	74.00	82.23	77.61	77.95	5	*y* 86	7	*z* 82.67	26	*aa* 68	26	*bb* 72.00	7.7
Lancaster	68.38	81.39	67.21	72.33	5	93	11	81.63	24	53	24	57.27	4.1
Madison, [Atkins]	67.65	75.62	64.55	69.27	8	88	8	79.00	24	50	29	55 33	3.9
Madison, [King]	67.55	76.27	64.35	68.72	10	88	10	78.33	23	*cc* 49	29	54.67	4.7
Medina	68.29	76.55	65.10	69.98	10	88	7	81.00	23	44	23	54.50	4.8
New Lisbon	70.45	84.61	71.10	75.39	10	98	10	84.67	24	50	24	63.00	3.2
Ripley (*dd*)	68.21	84.56	73.05	75.27	7	97	7	84.67	24	54	----	?	5.4
Savannah	68.26	80.45	66.61	71.77	10	96	8	83.33	24	44	23	54.67	5.7
Urbana	66.23	81.97	67.68	71.96	4	94	7	82.67	24	47	24	58.67	4.9
Welchfield	67.74	78.93	63.61	70.09	8	90	10	81.00	23	50	29	53.33	3.4
Westerville	67.66	78.28	68.35	71.43	11	91	8	81.33	24	52	24	57.33	4.5
Windham	63.13	76.68	64.77	68.19	7	87	5	76.33	24	44	23	54.67	----
MICHIGAN—													
Battle Creek	66.19	79.19	67.10	70.83	7	97	7	85.67	23	50	23	57.00	3.0
Cooper	67.55	75.26	65.35	69.39	7	*u* 94	7	84.67	23	*ee* 50	23	54.00	0.5
Detroit	70.35	80.90	68.90	73.38	9	98	10	87.67	29	48	29	49.67	5.5
Grand Rapids, [Streng]	63.13	80.48	65.68	69.76	6	98	7	87.00	24	44	28	55.00	4.6
Marquette	61.17	72.19	60.30	64.55	13	90	13	80.03	30	40	27	45.27	4.7
Monroe	------	------	------	------	----	------	----	------	----	------	----	------	3.7
New Buffalo (*ff*)	68.26	75.29	63.94	69.16	6	90	5	*gg* 82.00	23	46	23	53.33	5.5

a Same temperature on the 20th and 21st.
b Same temperature on the 20th.
c Same temperature on the 28th.
d Same temperature on the 24th and 27th.
e Same temperature on the 20th, 26th, and 27th.
f Same temperature on the 26th.
g Same temperature on the 30th.
h Same temperature on the 20th and 27th.
i Same temperature on the 27th.
j Same temperature on the 29th.
k Same temperature on the 2d.
l Same temperature on the 4th.
m Same temperature on the 12th.
n Same temperature on the 12th and 17th.
o Observations taken at 7 a. m., 3 p. m., and 9 p. m.
p Same temperature on the 3d.
q Same temperature on the 2d and 27th.
r Observations taken at 5 a. m., 2 p. m., and 6 p. m.
s Same temperature on the 31st.
t Same temperature on the 9th.
u Same temperature on the 8th.
v Same temperature on the 9th, 11th, and 13th.
w Same temperature on the 17th.
x Same temperature on the 10th and 11th.
y Same temperature on the 6th, 7th, 8th, 9th, 10th, 11th, 12th, and 13th.
z Same temperature on the 8th, 9th, and 10th.
aa Same temperature on the 27th, 28th, 29th, 30th, and 31st.
bb Same temperature on the 27th, 28th, and 29th.
cc Same temperature on the 24th.
dd Incomplete.
ee Same temperature on the 25th, 28th, and 29th.
ff Observations taken at 7 a. m., 1 p. m., and 9 p. m.
gg Same temperature on the 6th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Port Huron	67.04	77.48	64.85	69.79	7	92	8	78.67	23	53	23	58.67	4.4
Thunder Bay Island (*b*)	63.22	69.39	67.32	67.04	14	*c* 79	9	76.50	28	51	28	52.50	4.2
INDIANA—													
Cannelton	76.15	81.80	70.94	74.30	5	92	12	82.37	30	56	28	57.93	2.8
Evansville	72.78	81.63	76.69	77.03	11	91	11	86.33	30	59	30	61.00	4.8
Logansport	67.68	83.45	70.58	73.90	6	99	9	85.33	24	48	30	60.67	4.3
Madison	70.77	77.85	73.90	74.17	8	89	6	*d* 83.00	30	*e* 54	28	*f* 60.33	3.7
Michigan City	66.09	74.98	67.10	69.39	7	89	7	81.67	23	47	23	54.50	4.3
New Harmony	72.81	84.13	73.74	76.89	12	94	11	*g* 86.00	30	57	28	60.00	4.0
Richmond, [Austin] (*h*)	68.13	80.61	-------	74.37	6	93	6	85.50	30	53	30	59.50	7.1
Richmond, [Moore]	64.12	76.50	67.47	69.36	6	92	6	82.30	24	42	24	56.00	----
ILLINOIS—													
Athens	69.55	85.52	68.23	74.43	5	*i* 97	8	85.00	28	*j* 59	28	54.33	3.2
Augusta	66.26	79.35	71.09	72.23	9	*i* 91	9	83.33	24	50	28	54.67	3.0
Aurora	64.74	77.48	65.00	69.07	9	92	9	81.67	28	*j* 49	28	52.33	4.1
Batavia, [Capon]	65.48	78.48	67.06	70.34	5	94	5	*d* 84.00	28	*f* 48	28	52.67	4.6
Batavia, [Mead]	63.97	81.35	65.55	70.29	10	102	6	*d* 84.33	30	47	29	51.67	4.3
Brighton	67.19	84.61	77.48	76.43	9	96	9	88.33	28	48	28	54.67	3.3
Carthage (*k*)	71.65	82.94	73.74	76.11	9	*g* 96	12	89.00	24	54	28	57.33	----
Edgington	66.77	82.63	69.52	72.97	9	100	8	86.33	24	47	28	55.33	4.3
Elgin	64.35	77.68	65.90	69.31	5	*a* 93	5	82.00	29	48	29	55.67	4.3
Jacksonville (*m*)	68.84	84.79	72.19	75.33	10	100	8	88.00	30	49	28	56.00	----
Manchester (*n*)	67.77	81.58	69.97	73.11	8	94	8	85.00	27	50	28	54 33	4.2
Marengo	70.65	80.68	64.97	72.10	9	100	5	*o* 88.00	27	46	28	50.33	4.3
Ottawa	66.16	78.80	68.70	71.22	10	94	5	84.00	24	*p* 47	28	53.33	3.8
Pekin	68.10	80 71	69.12	72.64	9	*i* 94	5	*i* 84.67	29	48	29	54.00	3.4
Peoria	70.10	84.45	73.20	75.92	8	102	8	88.92	28	50	28	56.00	3.4
Riley	65.68	75.74	64.48	68.63	6	*a* 90	5	*o* 82.33	29	44	27	50.00	3.3
Upper Alton	69.42	80.33	70.45	73.40	9	89	8	82.67	30	50	29	58.00	----
Waynesville	63.48	82 68	73.48	73.21	5	97	8	84.67	23	*q* 46	28	53.00	4.1
West Salem	70.84	86.39	72 00	76.41	5	99	5	86.33	31	55	28	59.67	3.8
West Urbana	71.16	82 10	71.48	74.91	5	*r* 96	5	87.33	28	51	28	55.00	3.8
Wheaton	66.05	77.70	87.20	76.98	9	93	5	83.93	30	48	28	52.67	5.0
Winnebago	66.32	78.96	67.53	70.94	5	*a* 93	6	84.00	29	47	28	55.16	4.1
MISSOURI—													
St Louis	74.00	86.40	75.70	78.70	1	98	1	89.83	28	57	28	59.50	3.3
WISCONSIN—													
Appleton	63.81	77.65	64 48	68.65	6	*s* 92	6	82.33	29	45	27	49.33	3.4
Bay City	60.10	70.03	59.58	63.24	6	91	13	77.67	28	*j* 44	27	47.00	3.1
Beloit	66.06	79.35	65.42	70.28	6	*t* 94	6	84.67	28	47	28	51.00	2.9
Green Bay	66.48	78.19	64.45	69.71	9	94	8	82.33	30	49	27	54.67	4.0
Janesville	64.71	79.42	68.00	70.71	9	*u* 95	5	83.00	27	*v* 50	28	52.33	4.8
Kenosha	67.40	74.41	66.92	69.58	9	88	6	82.17	28	48	28	52 33	3.0
Manitowoc	65.45	75.32	63.26	68.01	9	91	9	81.67	30	49	27	53.33	5.4
Milwaukee, [Lapham]	----	------	------	------	----	------	---	-------	25	42	---	---------	---
Milwaukee, [Pomeroy]	67.58	74 10	65.23	68.97	7	89	7	83.33	27	48	27	50.33	6.5
Milwaukee, [Winkler]	65.45	76 71	64.39	68.85	9	93	9	81.33	28	45	28	51.67	3.4
New Danemora (*w*)	59.71	77.96	63.42	66.43	----	------	---	------	---	-------	---	-------	---
New London	57.22	79.48	63.80	66.83	9	95	9	81.00	29	45	28	53.33	3.2
Platteville	68.39	84.74	71.26	74.80	5	102	5	*o* 89.33	28	48	28	53.33	4.0
Waukesha	65.61	79.13	65.68	70.14	6	96	6	84.67	19	*x* 48	28	52.00	4.3

a Same temperature on the 9th.
b Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 68 25.
c Same temperature on the 8th and 9th.
d Same temperature on the 8th.
e Same temperature on the 31st.
f Same temperature on the 30th.
g Same temperature on the 12th.
h Observations taken at 6 a. m. and 1 p. m.
i Same temperature on the 10th.
j Same temperature on the 29th.
k Observations taken at 7 a. m., 1 p. m., and 7 p. m.
l Same temperature on the 17th.
m Observations taken at morning, 1 p. m., and sunset.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Same temperature on the 6th.
p Same temperature on the 28th and 30th.
q Same temperature on the 24th and 30th.
r Same temperature on the 2d, 7th, and 10th.
s Same temperature on the 7th and 9th.
t Same temperature on the 7th.
u Same temperature on the 5th.
v Same temperature on the 28th, 29th, 30th, and 31st.
w Imperfect.
x Same temperature on the 28th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
IOWA—	°	°	°	°		°		°		°		°	
Bellevue	67.49	81.65	65.49	71.54	9	96	6	*a* 84.67	28	*b* 48	28	55.00	4.5
Border Plains	69.52	82.90	69.45	73.96	9	98	9	88.67	28	51	28	57.00	4.8
Dubuque	68.19	79.26	69.39	72.28	9	96	6	85.67	28	49	28	54.67	3.5
Fairfield	71.09	79.59	69.42	73.34	10	94	10	87.67	23	*c* 53	28	56.33	4.5
Fort Madison (*d*)	67.64	81.77	72.48	73.96	12	95	8	86.67	30	46	28	57.00	3.5
Franklin	66.81	79.19	68.68	71.56	9	*e* 92	9	84.00	28	48	28	53.67	4.2
Iowa City	68.87	80.87	68.90	72.88	9	95	9	86.33	28	50	28	53.33	3.8
Muscatine	64.06	79.32	67.03	70.14	9	93	7	81.33	30	46	28	56.00	3.0
Pleasant Plain	69.26	81.45	67.55	72.75	9	95	8	85.67	29	48	29	54.67	4.1
Poultney (*f*)	67.56	82.56	60.21	70.11	9	96	9	84.00	21	*g* 46	31	59.00	?
Rossville	65 96	78.65	64.96	69.86	9	93	6	83.03	29	44	28	51.30	3.3
Sioux City	66.70	77.84	66.74	70.43	13	90	13	83.17	29	48	28	54.87	4.5
MINNESOTA—													
Burlington	55.61	71.70	61.96	63.09	16	86	26	77.33	23	35	27	50.00	----
Forest City	66.03	77.55	63.16	68.91	13	92	12	81.33	28	44	28	52.33	2.1
Hazlewood	62.87	77.57	66.10	68.85	12	*h* 90	13	82.33	28	35	28	50.33	4.4
Princeton	66.84	78 23	66.39	70.49	5	94	5	88.00	28	44	27	51.67	3.7
Wabashaw	67.70	78.22	69.37	71.76	7	93	6	84.67	27	*c* 50	27	53.67	3.2
NEBRASKA—													
Bellevue	67.26	78.06	69.81	71.71	9	*i* 90	9	84.00	28	*j* 50	28	56.33	3.2
Brownsville	71.45	86.52	71.61	76.53	8	*k* 100	10	88.67	29	50	29	60.00	3.3
Elkham	66.48	82.71	68.10	72.43	9	*l* 96	12	*h* 83.33	29	47	27	*c* 56.33	3.8
Omaha	68.90	82.94	68.87	73.57	9	96	9	*e* 85.00	28	*j* 51	28	56.33	3.6
KANSAS—													
Burlingame	68.71	81.26	68.06	72.68	9	*m* 92	9	81.67	30	51	29	55.67	2.8
Lawrence	70.16	84.16	73.23	75.85	11	98	11	88.00	28	*j* 55	28	57.00	3.9
Leavenworth City, [Berthold]	----	----	----	----	----	----	----	----	----	----	----	----	2.3
Leavenworth City, [McCarty]	72.81	81.65	70.94	75.13	8	*n* 94	8	86.33	28	*o* 54	28	56.00	4.3
Manhattan	72.39	86.13	69.94	76.15	11	100	11	91.33	30	50	28	58.67	4.0
Mapleton	72.19	84.74	72.29	79.74	20	98	7	86.67	28	49	28	53.00	2.9
OREGON—													
Fort Snyder (*p*)	----	----	----	53.50?	----	----	----	----	----	----	----	----	----
MEXICO—													
Cordova (*q*)	70.87	74.32	71.33	72.54	6	79.70	----	----	2	68.36	----	----	----
Minatitlan (*r*)	73.83	82.67	----	78.25	2	*s* 86	25	81.50	10	*t* 71	10	75.50	----
Mirador (*u*)	67.14	76.01	68.38	70.51	----	----	----	73.15	----	----	----	68.71	----
Vera Cruz (*v*)	78.13	----	79.94	79.03	----	----	----	----	----	----	----	----	----
CALIFORNIA—													
Marysville	69.19	87.93	75.61	77.58	30	98	31	84.67	21	62	21	68.33	1.7
Sacramento	65.55	76.29	69.87	70.57	30	85	30	77.33	22	*t* 61	21	65.00	1.3
San Francisco	57.00	65.74	55.97	59.57	23	*c* 71	14	62.33	29	*o* 53	11	57.67	5.0
WEST INDIES—													
Nassau, Bahamas (*w*)	----	----	----	88.64	----	----	30	90.50	----	----	14	86.00	----
St. George's, Bermuda (*x*)	----	----	----	81.30	----	----	----	----	----	----	----	----	----
Turk's Island, Bahamas (*y*)	81.28	84.71	82.43	82.81	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—													
Guatemala (*z*)	57.38	72.32	62.06	66.60	?	77.4	----	----	?	54	----	----	----
SOUTH AMERICA—													
Caracas, Venezuela	68.60	78.30	71.00	72.63	20	82	20	74.67	27	65	16	70.33	5.5
Cathar'a Sophia, Surinam (*aa*)	75.20	87.30	80.50	81.00	18	*bb* 90	16	*cc* 82.33	19	*dd* 74	20	78.67	4.1

a Same temperature on the 9th.
b Same temperature on the 29th and 30th.
c Same temperature on the 28th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Same temperature on the 10th.
f Incomplete.
g Same temperature on the 22d, 28th, and 29th.
h Same temperature on the 13th.
i Same temperature on the 17th.
j Same temperature on the 29th.
k Same temperature on the 9th, 12th, and 13th.
l Same temperature on the 12th and 13th.
m Same temperature on the 12th.
n Same temperature on the 9th, 10th, and 11th.
o Same temperature on the 30th.
p For the last 14 days of the month, with interruptions.
q Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 73.02; mean at 6 p. m., 73.17.
r Observations taken at 7 a. m. and 3 p. m.
s Same temperature on the 6th.
t Same temperature on the 23d.
u Observations taken at 7 a. m., 2 p. m., and 8 p. m.
v Observations taken at 6 a. m. to 8 a. m. and 10 p. m. to 11 p. m.
w Mean obtained from daily maximum and minimum.
x Observations taken at 9:30 a. m. and 3:30 p. m.
y Observations taken at 6 a. m., noon, and 6 p. m. For the last 14 days of the month only.
z Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 67.61; mean at noon, 73.58.
aa Observations taken at 6 a. m., 2 p. m., and 6 p. m.
bb Same temperature on the 30th and 31st.
cc Same temperature on the 18th.
dd Same temperature on the 21st, 22d, and 26th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	-------	-------	-------	45.96	10	70	22	*b*55.00	20	29	27	38.00	----
Hamilton	63.53	-------	62.86	63.19	8	*c*80	9	80.00	22	*d*48	25	49.00	----
Montreal	55.48	64.13	57.65	59.09	8	82	8	72.73	23	40	24	43.33	5.7
Moose Factory (*e*)	41.32	55.30	46.23	47.62	----	75	----	-------	----	26	----	-------	----
Red River Settlement (*f*)	46.56	59.39	-------	-------	27	70	----	?	12	*g*34	----	?	----
St. John's	55.53	59.93	53.17	56.21	5	72	12	66.33	16	*h*42	27	46.00	5.0
St. Martin (*i*)	51.75	69.85	56.15	59.25	8	89	10	76.07	23	31	22	42.27	----
Stanbridge	53.83	64.90	54.63	57.79	8	83	8	75.67	25	33	25	41.00	5.2
Toronto (*i*)	52.60	65.95	57.15	58.57	8	79	9	70.98	23	37	22	46.32	4.1
Windsor	51.96	66.17	55.10	57.74	8	87	8	74.00	26	34	23	42.30	5.1
Wolfville	55.58	67.37	54.95	59.27	8	84	4	71.00	30	38	23	44.33	5.0
MAINE—													
Cornish, [Guptill]	55.06	66.76	57.56	59.79	9	84	9	77.33	23	38	23	44.00	3.8
Cornish, [West]	53.83	65.93	56.57	58.78	9	84	9	75.67	24	37	24	44.00	3.0
Dexter	-------	-------	-------	-------	----	----	----	-------	----	-------	----	-------	4.4
Gardiner	54.53	67.44	56.23	59.40	9	85	9	75.17	26	34	28	43.67	4.7
Perry	58.62	63.43	52.38	58.14	8	85	8	73.50	23	*j*37	25	42.67	3.8
Portland	55.62	67.93	58.40	60.65	8	87	9	76.67	23	40	23	47.50	3.9
Steuben	52.96	62.73	52.93	56.21	9	84	9	72.67	25	37	23	42.33	4.1
NEW HAMPSHIRE—													
Concord	54.34	69.53	55.10	59.99	9	90	9	75.67	29	36	23	*k*47.33	3.7
Shelburne	51.50	70.43	54.04	58.66	9	94	9	80.67	25	*l*34	24	43.00	4.6
Stratford	51.30	64.33	52.17	55.93	9	84	10	72.67	25	*b*32	23	39.33	4.4
West Enfield	53.23	65.73	54.70	57.92	9	84	9	76.00	23	34	23	*m*40.33	3.5
VERMONT—													
Brandon	53.61	68.30	56.65	59.52	10	87	10	76.67	25	30	25	41.33	3.0
Burlington	54.52	64.72	56.88	58.70	10	82	10	75.67	25	35	22	41.80	4.3
Craftsbury	51.20	64.17	54.13	56.50	8	82	9	*n*74.00	25	*b*33	22	39.00	3.7
Rupert	56.27	72.33	65.80	64.80	1	*n*86	10	80.00	23	36	23	41.33	3.1
St. Johnsbury	48.13	66.33	51.97	55.47	9	87	9	72.00	23	26	23	38.33	4.9
MASSACHUSETTS—													
Amherst	54.38	68.15	59.70	60.74	9	85	10	74.80	29	37	23	46.60	3.8
Bridgewater (*o*)	57.03	67.70	59.17	61.30	9	83	9	73.67	26	36	23	46.00	2.9
Cambridge	56.33	69.30	58.93	61.85	9	84	9	74.67	27	39	23	47.00	3.1
Florida	-------	-------	-------	-------	----	----	----	-------	----	-------	----	-------	4.6
Lawrence	52.60	70.07	58.90	60.52	9	87	9	74.67	27	34	23	46.33	3.5
Meudon	55.56	69.80	58.33	61.23	9	86	9	74.00	23	35	23	42.67	2.9
Nantucket	62.58	69.03	61.43	64.35	8	78	11	72.83	25	48	25	51.67	2.4
New Bedford	58.30	68.70	59.00	62.60	10	83	10	73.50	23	40	23	46.67	3.5
Newburyport	57.35	68.76	58.34	61.48	9	90	----	?	23	40	----	?	?
Westfield	52.23	68.73	57.13	59.36	9	85	9	70.33	29	34	23	45.00	4.0
Williamstown	55.72	66.02	54.81	58.85	8	83	10	73.33	26	38	23	44.33	4.1
Worcester	56.14	68.06	57.31	60.50	9	85	9	74.33	29	41	23	46.67	3.2
RHODE ISLAND—													
Providence (*p*)	56.60	70.60	59.30	62.17	9	85	10	73.67	23	39	23	46.33	2.4
CONNECTICUT—													
Columbia	59.57	69.47	56.37	61.80	9	86	10	74.33	28	38	24	48.00	3.0
Middletown	54.67	73.09	57.58	61.78	9	90	10	74.70	23	34	23	44.80	2.5
Pomfret	54.68	64.79	56.43	58.63	9	79	10	69.00	23	37	23	43.70	3.4
Saybrook	59.73	70.90	61.60	64.08	11	81	10	*q*74.00	23	*b*43	23	50.67	2.7
Wallingford	54.08	70.10	58.18	60.79	9	84	10	73.33	26	35	23	45.83	2.8
NEW YORK—													
Bellport	59.97	67.80	60.67	62.81	10	77	10	71.33	23	44	23	44.67	2.6
Buffalo (*r*)	61.40	66.90	62.20	63.50	7	*s*79	8	76.33	23	48	22	51.33	2.9

a Register thermometer. Very few observations before the 19th.
b Same temperature on the 26th.
c Same temperature on the 9th and 10.
d Same temperature on the 25th and 26th.
e Observations taken at sunrise, 2 p. m., and 10 p. m.
f Incomplete.
g Same temperature on the 16th.
h Same temperature on the 27th.
i Observations taken at 6 a. m., 2 p. m., and 10 p. m.
j Same temperature on the 25th.
k Same temperature on the 24th and 28th.
l Same temperature on the 26th and 29th.
m Same temperature on the 24th.
n Same temperature on the 10th.
o Observations taken at 7 a. m., 2 p. m., and 7 p. m.
p Observations taken at 6 a. m., 1 p. m., and 10 p. m.
q Same temperature on the 3d.
r Observations taken at 8 a. m., 2 p. m., and 9 p. m.
s Same temperature on the 8th and 9th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
NEW YORK—Continued.													
Canton (*a*)	61.18	72.12	61.35	64.88	9	86	10	77.67	18	42	17	54.67	5.4
Clinton	57.40	72.80	58.17	62.79	9	94	10	81.00	23	33	22	43.33	4.2
Fishkill Landing	57.07	70.40	61.87	63.11	10	84	10	75.00	23	38	23	47.33	3.0
Flatbush	58.68	70.55	59.85	63.03	9	82	10	73.00	23	42	23	46.90	2.8
Fort Edward	55.07	68.87	58.60	60.85	10	86	10	76.67	25	36	25	45.00	3.5
Houseville	53.56	67.70	56.26	59.17	8	*b* 86	9	77.33	23	*c* 37	22	40.00	4.8
Nichols	53.43	72.67	52.74	59.61	9	92	10	79.33	22	*c* 34	22	*c* 44.33	3.9
Rochester	57.03	69.40	61.43	62.62	8	89	9	*d* 80 67	23	*e* 41	24	48.33	4.5
Sag Harbor	60.67	74.61	61.57	65.62	7	*f* 86	3	*g* 74.67	26	42	23	51.33	2.9
Waterford	56.68	71.18	60.05	62.64	9	89	10	79.00	25	37	25	46.00	4.1
NEW JERSEY—													
Bloomfield	59.18	73.74	58.33	63.75	21	89	21	77.83	23	36	23	45.67	2.2
Freehold	59.86	71.67	60.59	64.04	5	99	5	77.00	23	*h* 44	23	49.67	....
Lambertville	55.54	76.41	59.30	63.68	9	89.5	....	.....	28	34.5	....	.....	....
Newark (*i*)	.....	.....	.....	62.94	10	82	4	73.25	23	39	23	47.75	....
PENNSYLVANIA—													
Bedford	52.96	75.15	61.61	63.24	10	92	10	77.33	23	38	23	49.67	3.6
Berwick	57.00	72.57	61.47	63.68	9	89	10	78.33	23	39	23	49.00	2.3
Cannonsburg	56.37	75.10	65.20	65.66	8	88	9	76.00	23	42	17	55.67	3.2
Carlisle	57.20	70.24	62.31	63.25	10	83	10	77.20	23	42	23	48.80	2.6
Chambersburg	61.53	74.97	62.40	66.30	10	90	9	83.33	23	42	23	50.00	3.0
Chromedale	59.96	73.89	61.52	65.12	8	88	10	77.33	23	*j* 46	23	52.00	?
Easton	56.62	75.18	59.23	63.68	10	*k* 90	10	76.67	29	39½	23	51.00	2.5
Fleming	54.60	69.81	57.96	60.79	8	*l* 85	10	74.00	23	40	22	*c* 49.33	3.8
Gettysburg	55.77	73.18	61.37	63.44	10	86	10	76.33	23	40	23	49.33	2.6
Harrisburg, [Heisely]	61.10	74.62	67.97	67.90	10	90	10	82.00	26	*m* 48	23	56.00	2.4
Harrisburg, [Hickok]	56.20	72.27	62.98	63.82	10	87	10	77.67	23	40	23	48.17	2.9
Lewisburg	54.37	70.72	59.14	61.41	10	85	10	78.53	23	37	23	46.03	4.1
Meadville	53.73	72.53	56.37	62.88	8	88	9	74.67	26	38	25	48.33	3.6
Morrisville	57.50	73.73	60.73	63.98	10	86	3	75.00	23	42	23	49.67	1.9
Mount Joy	59.52	77.95	64.62	67.36	9	92	10	81.50	26	41	23	54.00	2.2
Murrysville	52.39	73.04	57.55	60.99	9	*d* 85	10	76.33	23	35	23	47.67	3.0
Norristown	57.77	71.39	61.90	63.69	3	*d* 85	3	77.70	29	41	23	48.00	2.7
North Whitehall (*n*)	52.03	72.10	64.63	62.92	10	85	3	76.00	23	*o* 34	23	45.67	?
Paradise	.....	.....	.....	71.00	....	.....	....	.....	.....	.....	.....	.....	....
Philadelphia	61.32	76.03	66.37	67.90	9	*d* 87	3	79.80	23	44	23	53.50	3.4
Pittsburg, [Martin]	56.60	72.03	62.16	63.60	9	*d* 86	10	78.00	23	41	23	51.00	3.6
Pittsburg, [Wilson]	59.03	75.77	64.80	66.53	8	91	9	80.33	23	40	23	54.33	....
Pocopson	59.33	74.67	60.73	64.91	9	87	3	77.33	25	*p* 46	23	51.33	2.8
Shamokin (*q*)	45.83	70.63	60.00	58.81	9	86	10	74.00	26	21	23	40.67	3.2
Somerset	53.90	71.73	58.80	61.48	9	*d* 85	9	74.33	23	36	23	49.33	4.3
Tarentum	54.10	74.32	57.60	62.01	9	89	10	76.67	23	36	22	50.33	3.2
Westtown	57.36	72.38	59.87	63.20	10	84	3	76.83	24	41	23	46.63	2.7
DELAWARE—													
Georgetown (*r*)	66.37	77.83	71.07	71.76	9	*d* 92	9	*d* 84.00	23	50	23	59.33	....
MARYLAND—													
Annapolis	61.10	73.40	68.30	67.60	3	85	3	80.67	23	47	23	53.33	2.4
Baltimore	59.97	72.82	65.42	66.07	9	*d* 85	3	78.50	23	45	23	52.16	3.3
Bladensburg (*s*)	56.96	76.11	59.12	64.06	3	88	....	?	28	41	....	?	?3.4
Chestertown	63.39	74.15	62.34	66.63	3	86	3	78.67	28	47	....	?	?2.6
Frederick	62.48	70.89	58.11	63.83	10	84	10	76.17	28	43	28	52.00	2.8
Leitersburg	56.60	73.20	60.83	63.54	10	87	10	77.67	23	*m* 40	23	47.67	2.7
Sykesville	59.37	71.33	61.97	64.22	21	84	3	74.67	23	45	23	50.67	3.2
DISTRICT OF COLUMBIA—													
Washington	60.27	73.30	65.93	66.50	3	*d* 85	3	78.67	27	46	23	53.00	2.8

a For the first 18 days of the month.
b Same temperature on the 9th.
c Same temperature on the 23d.
d Same temperature on the 10th.
e Same temperature on the 24th.
f Same temperature on the 8th.
g Same temperature on the 8th and 10th.
h Same temperature on the 25th.
i Observations taken at 7 a. m. and 6 p. m.
j Same temperature on the 26th and 29th.
k Same temperature on the 21st.
l Same temperature on the 9th and 16th.
m Same temperature on the 27th.
n Observations taken at sunrise, noon, and sunset.
o Same temperature on the 26th.
p Same temperature on the 28th.
q Observations taken in the night; mean, 38 30.
r Observations taken at 8 a. m., 1 p. m., and 6 p. m.
s Incomplete.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date	Temp.	Date.	Mean temp	
VIRGINIA—	°	°	°	°		°		°		°		°	
Crichton's Store (*a*)	63.97	78.30	74.14	72.14	10	*b* 89	10	80.67	28	50	....	?	3.5
Hartwood	64.00	76.70	64.73	68.48	21	92	10	79.00	23	*c* 48	24	54.00	....
Holliday's Cove	54.67	79.23	57.37	63.76	8	93	10	78.33	28	38	26	51.00	....
Lewinsville	60.47	76.23	64.80	67.17	10	90	10	78.16	23	*c* 45	23	53.00	2.9
Lewisburg	54.77	73.07	60 07	62.64	9	84	7	72.67	22	40	27	52.67	3.0
Meadow Dale	47.50	69.20	61.87	59.52	22	82	11	70.00	24	30	24	48.00	....
Montross	62.57	76.90	65.57	68.35	3	*d* 88	2	79.67	29	46	23	51.67	3.1
Poplar Grove	57.20	79.10	60.70	65.67	8	93	10	75.33	28	43	23	55.00	3.5
Portsmouth	64.80	78.43	65.00	69.41	11	96	4	582.00	23	44	28	58.00	2.2
Rougemont	61.67	76.75	67.53	68.65	10	90	10	79.33	23	45	25	54.00	3.5
Smithfield	60.77	74.39	66.97	67.35	3	86	3	79.90	24	44	23	54.20	3.7
Stribling Springs	52.80	72.88	51.48	59.05	21	87	10	73.67	27	*e* 30	27	41.33	2.9
Wirt Court House	56.10	76.13	60.97	64.40	7	*f* 88	10	76.00	18	*c* 44	23	*g* 56.00	2.8
NORTH CAROLINA—													
Chapel Hill	61.20	77.37	64.73	67.77	2	93	2	80.33	23	*h* 46	22	*i* 54.67	3.7
Davidson College (*j*)	56.81	72.09	63.83	64 24	22	80	....	?	28	48	....	?	3.5
Gaston	61.73	76.30	62.37	66.80	3	92	3	78.33	23	44	23	51.00	....
Murfreesborough	63.00	76.57	64.36	67.98	3	92	4	79.67	23	*k* 50	23	54.00	2.9
SOUTH CAROLINA—													
Aiken	63.24	77.81	65.80	68.95	3	92	....	?	28	50	28	57.00	4.5
All Saints	68.97	76.90	73.17	73.01	4	85	10	80.33	28	54	28	62.00	4.3
Charleston, [Dawson]	70.33	77.46	73.43	73.74	....	87	....	.....	....	57	....	.....	....
Charleston, [Johnson]	70.03	77.47	73.50	73.67	3	*l* 87	4	82.33	28	57	28	63.33	....
Columbia	65.93	81.90	71.20	73.01	3	97	2	82.33	29	49	28	61.67	3.7
St. John's	64.28	77.37	66.43	69.36	3	94	....	?	28	50	28	57.00	4.1
GEORGIA—													
Athens	62.98	75.87	66.35	68.40	3	86	7	76.10	29	51	28	58.27	4.2
Augusta	69.99	80.47	74 62	75.03	3	92	3	83.33	29	56	28	61.17	3.7
Savannah	68.43	77.56	72.02	72.67	3	90	4	82.47	29	56	28	62.77	5.0
Sparta	63.60	80.23	68.63	70.82	3	92	3	*m* 78 33	29	48	28	60.67	4.2
Whitemarsh Island	69.90	77.37	71.80	73.02	3	*l* 87	3	*n* 81.33	28	58	28	63.67	5.1
FLORIDA—													
Alachua County (*o*)	70.30	79.53	73.33	74.39	4	87	8	79.00	29	59	28	67.00	4.5
Alligator	71.00	82.67	73.63	75.77	7	90	3	*n* 81 33	29	58	28	68.33	4.7
Atsena	74.30	80.40	76.40	77.03	3	*p* 86	3	82.33	29	62	30	70.33	3.7
Belair	69.17	84.30	69.70	74.39	4	*p* 90	5	83.67	29	56	27	67.33	....
Jacksonville	73.50	78.93	74.17	75.53	3	*n* 86	3	81.00	28	*k* 64	28	67.67	5.0
Micanopy	72.41	83.69	74.64	76.91	3	*n* 91	4	82.00	29	60	....	?	4.8
St. Augustine	77.47	81.30	77.30	78.69	16	86	6	*q* 82.67	25	72	28	74.67	5.7
Salt Ponds	80.13	85.40	.....	82.76	3	90	3	86.50	29	76	29	78.50	4.8
ALABAMA—													
Carlowville	68.20	88.27	71.40	72.62	7	93	7	80.67	16	54	18	64 67	2.6
Greene Springs	68.10	84.28	69.33	73.90	6	94	10	82.33	29	53	17	63.67	1.9
Selma	66.90	83.57	68.40	72.96	2	*r* 93	7	82.00	17	*s* 53	29	63.67	3.0
MISSISSIPPI—													
Columbus	64.93	84.17	70.51	73.20	6	92	7	81.47	18	55	17	65.57	2.5
Natchez	68.60	82.50	77.77	76.29	3	*f* 88	10	81.33	13	*t* 60	17	71.33	2.4
Paulding	66.79	87.26	76.86	76.97	2	95	2	85.50	17	63	....	?	2.6
LOUISIANA—													
Black River	68.17	84.83	74.97	75.99	2	*r* 90	2	82.33	13	*u* 62	12	71.00	2.1
New Orleans (*v*)	80.13	83.23	84.37	82.58	2	92	2	89.00	18	*w* 74	18	77.00	....
TEXAS—													
Austin, [Palm]	70.20	86.47	73.63	76.77	1	*r* 97	3	87.00	21	61	21	71.33	3.0

a Incomplete. Observations taken at 7½ a. m., noon, and 5¼ p. m.
b Same temperature on the 11th.
c Same temperature on the 27th.
d Same temperature on the 8th.
e Same temperature on the 28th.
f Same temperature on the 10th.
g Same temperature on the 25th and 27th.
h Same temperature on the 27th and 29th.
i Same temperature on the 25th.
j For the last 17 days of the month.
k Same temperature on the 29th.
l Same temperature on the 4th and 5th.
m Same temperature on the 10th and 11th.
n Same temperature on the 4th.
o Observations taken at 6 a. m., 2 p. m., and 9 p. m.
p Same temperature on the 5th.
q Same temperature on the 9th.
r Same temperature on the 3d.
s Same temperature on the 18th.
t Same temperature on the 17th.
u Same temperature on the 20th and 21st.
v Observations taken at 9 a. m., noon, and 3 p. m.
w Same temperature on the 20th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Austin, [Van Nostrand]	71.10	86.53	74.63	77.42	2	*a* 97	1	87.33	20	60	20	70.50	3.2
Goliad	71.90	87.00	75.80	78.23	1	*b* 93	2	85.00	23	62	21	72.67	3.2
Lorissa	68.93	85.89	75.84	76.89	3	93	1	80.67	20	*c* 62	20	*d* 72.33	1.9
New Braunfels	69.67	88.23	78.27	78.72	2	*e* 95	3	83.67	22	59	22	73.67	1.3
Union Hill	71.13	87.30	75.73	78.05	2	*a* 96	2	*a* 84.67	15	*f* 65	20	72.67	4.1
TENNESSEE—													
Glenwood	60.57	77.05	65.04	67.55	30	86	30	76.17	17	48	17	57.03	2.7
Memphis	66.20	79.70	69.73	71.88	2	90	2	81.67	18	*g* 58	17	*h* 65.67	2.2
KENTUCKY—													
Bardstown	60.50	76 97	65.38	67.62	7	89	8	78.33	17	46	17	56.09	2.8
Louisville (*i*)	60.77	78.67	67.60	69.01	20	89	8	78.33	17	48	17	59.67	2.6
Paris	56.38	75.07	62.37	64.61	7	*j* 85	8	75.33	23	42	23	54.00	3.2
Springdale (*k*)	53.07	79.83	71.25	68.05	20	90	8	78.33	24	37	17	57.00	2.4
OHIO—													
Bellefontaine	58.94	74.83	61.62	65.13	20	88	9	77.80	23	44	17	51.60	3.3
Bowling Green	53.91	75.14	59.76	62.94	8	*l* 87	8	76.30	23	38	26	52.00	2.7
Cincinnati, [Harper]	64.03	79.60	70.73	71.45	20	89	8	*m* 81 00	23	*g* 52	17	61.67	2.5
Cleveland	58.75	72.57	60.03	63.78	7	*n* 87	9	78.67	26	42	26	50.67	3.7
Cleveland, (near)				67.00									
Collingwood	58.73	71.57	59.73	63.34	8	88	8	81.33	22	40	22	48.67	
Dayton	56.22	77.45	60.57	64.85	20	*o* 89	30	73.02	27	44	17	53.98	3.3
Edinburg	58.53	71.50	58.63	62.89	8	*l* 84	9	76.67	24	42	25	51.00	3.1
Hillsborough	58.18	71.77	63.32	64.42	30	82	8	*m* 74.70	26	46	23	53.67	2.5
Hiram	58.27	71.13	59.87	63.09	7	86	8	76.67	25	47	25	51.67	3.7
Jackson, [Monroe county]	58.50	77.13	59.62	65.08	9	89		?	27	45		?	2.6
Jefferson	77.57	81.60	79.23	79.47	4	*p* 86	11	*q* 84.67	2	*r* 74	26	74.67	2.8
Lancaster	58.24	74.26	61.47	64.66	8	86	8	75.87	23	44	23	53.20	2.5
Madison, [Atkins]	64.04	72.78	63.04	66.62	7	*j* 87	25	?	25	*s* 48	25	53.33	3.0
Madison, [King]	58.60	71.83	56.83	62.42	9	88	9	77.33	25	40	25	46.67	3.6
Medina	58.13	70.93	60.23	63.10	8	*l* 84	9	74.33	22	*q* 46	22	*h* 52.00	3.5
New Lisbon	57.66	78.73	59.63	65.34	9	94	9	82.33	23	*t* 36	22	*h* 51.33	2.0
Northwood													2.6
Ripley (*u*)	58.39		66.90	62.64		?		?		?		?	4.6
Savannah	56.33	75.97	58.83	63.71	8	*v* 90	8	79.33	25	35	25	49.33	3.9
Urbana	56 22	78.07	59.63	64.64	20	*o* 90	9	76.67	23	38	17	52.00	2.6
Welchfield	58.23	73.20	57.23	62.89	8	88	8	79.33	26	43	26	50.33	2.1
Westerville	57.00	75.05	61.32	64.46	8	*l* 88	8	78.00	23	*w* 44	26	54.00	3.1
Windham	54.70	71.80	59.77	62.09	8	85	8	73.33	26	*x* 40	26	52.00	
MICHIGAN—													
Battle Creek	58.40	72.93	61.23	64.19	7	*j* 86	8	77.33	25	42	25	50.67	2.1
Cooper	59.20	68.27	57.90	61.79	15	*y* 74	8	67.33	2	*z* 50	4	53.33	1.4
Detroit	61.50	75.10	59.96	65.52	7	*aa* 85	20	75.67	26	44	26	55.00	3.7
Fort Gratiot (*bb*)	43.90	57.30	52.80	51.08	18	75			22	31			
Grand Rapids, [Streng]	53 16	71.57	57.76	60.83	7	89	20	76.67	25	37	25	47.33	4.7
Marquette	52.43	61.83	51.81	55.36	19	83	7	68.60	24	34	24	43.30	5.6
New Buffalo (*cc*)	59.00	70.86	58.37	62.74	8	88	8	77.67	22	42	25	49.00	4.6
Ottawa Point (*dd*)	54.35	62.60	61.30	58.75	20	79	20	71.25	25	45	23	*ee* 51.75	4.9
Port Huron	57.50	73.35	61.05	63.97	20	90	8	78.33	23	41	25	50.67	4.4
Thunder Bay Island (*ff*)	54.53	61.71	58.43	58.47	20	*gg* 73	20	68.00	23	43	23	*ee* 49.00	5.7

a Same temperature on the 3d.
b Same temperature on the 2d and 3d.
c Same temperature on the 21st.
d Same temperature on the 4th.
e Same temperature on the 3d and 8th.
f Same temperature on the 23d and 24th.
g Same temperature on the 27th.
h Same temperature on the 25th.
i Observations taken at 7 a. m., 3 p. m., and 9 p. m.
j Same temperature on the 8th.
k Observations taken at 5 a. m., 2 p. m., and 6 p. m.
l Same temperature on the 20th.
m Same temperature on the 9th.
n Same temperature on the 8th, 9th, and 20th.
o Same temperature on the 30th.
p Same temperature on the 5th, 11th, 22d, and 23d.
q Same temperature on the 23d.
r Same temperature on the 10th, 17th, and 26th.
s Same temperature on the 26th.
t Same temperature on the 26th and 28th.
u Incomplete.
v Same temperature on the 20th and 30th.
w Same temperature on the 28th.
x Same temperature on the 27th and 28th.
y Same temperature on the 19th and 20th.
z Same temperature on the 3d and 4th.
aa Same temperature on the 8th and 20th.
bb Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 50.40.
cc Observations taken at 7 a. m., 1 p. m., and 9 p. m.
dd Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 56 75
ee Same temperature on the 24th.
ff Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 59.23.
gg Same temperature on the 29th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
INDIANA—	°	°	°	°		°		°		°		°	
Cannelton	60.99	75.32	64.09	66.80	8	86	8	*a*76.63	23	48	17	56.73	1.6
Evansville	65.23	75.43	70.99	70.55	8	85	7	81.33	27	55	27	61.75	2.5
Logansport	59.40	77.60	65.00	67.33	7	*b*90	8	80.00	17	44	17	56.67	3.4
Madison	57.70	73.20	61.47	64.12	7	*c*84	8	76.00	17	44	17	51.67	2.7
Michigan City	58.28	71.88	61.32	63.83	7	88	7	78.00	26	44	25	49.67	3.6
New Harmony	62.37	77.87	66.27	68.84	7	*d*88	8	80.67	26	50	17	59.00	2.5
Notre Dame	61.28	69.52	64.35	65.05	7	85	9	79.00	25	48	22	52.67	4.4
Richmond, [Austin] (*e*)	58.40	75.27	-------	66.83	8	*b*86	----	?	17	*f*46	----	?	4.1
Richmond, [Moore] (*g*)	52.27	74.33	60.60	62.40	20	87	8	74.00	23	*h*37	17	49.67	----
ILLINOIS—													
Athens	61.10	78.46	60.86	66.81	6	99	6	79.67	16	*h*44	16	53.00	3.4
Augusta	58.10	74.16	62.80	65.02	6	*i*86	7	77.33	26	44	25	55.33	2.3
Aurora	57.77	73.03	58.93	63.24	7	86	7	76.00	25	46	25	52.33	3.8
Batavia, [Capon]	56.83	72.33	58.37	62.51	7	87	7	75.67	12	*j*44	25	49.67	4.4
Batavia, [Mead]	56.76	75.00	58.43	63.40	6	92	6	88.00	13	41	25	51.00	3.9
Brighton	55.13	76.17	67.62	66.31	30	86	9	74.67	27	40	26	*k*60.67	1.5
Carthage (*l*)	62.47	75.93	65.17	67.86	20	90	20	77.67	3	45	25	56.67	----
Edgington	57.00	75.17	61.93	64.70	7	*m*87	7	78.00	26	42	16	52.33	3.9
Elgin	56.10	72.17	59.30	62.52	7	87	7	76.33	12	*n*45	12	52.33	3.9
Jacksonville (*o*)	59.43	77.63	67.00	68.02	8	89	7	80.11	13	*p*45	16	54.00	----
Manchester (*q*)	59.57	76.37	63.50	66.48	7	88	7	78.00	13	*r*48	25	56.00	3.0
Marengo	60.40	72.60	59.93	64.31	6	*s*86	7	78.00	16	44	16	48.00	4.3
Ottawa	57.20	71.77	60.65	63.20	7	87	7	76.33	25	42	25	50.67	4.0
Pekin	57.60	74.36	61.40	64.45	7	86	6	76.33	17	42	16	53.00	3.0
Peoria	61.43	76.65	64.70	67.59	7	90	7	80.58	16	*h*48	16	53.75	3.0
Riley	55.50	71.80	56.50	61.27	7	85	7	75.33	12	36	----	?	3.2
Upper Alton	59.37	76.07	64.33	66.59	7	*t*84	7	76.67	17	44	26	56.67	1.3
Waynesville	55.27	75.18	67.50	65.98	7	88	7	77.67	17	41	16	54.67	3.3
West Salem	61.93	81.67	64.87	69.49	8	*u*91	7	80.67	26	50	16	58.67	2.6
West Urbana	62.33	74.47	62.13	66.31	7	88	9	77.67	17	49	25	58.67	3.4
Wheaton	57.50	70.99	59.76	62.75	7	86	7	77.27	25	47	25	52.00	4.5
Winnebago	56.95	72.40	59.93	63.09	6	87	7	78.83	25	43	16	51.83	4.0
MISSOURI—													
St Louis	64.80	81.10	67.90	71.27	29	93	7	80.50	16	54	16	59.33	2.2
WISCONSIN—													
Appleton	55.43	69.07	57.23	60.58	7	*v*82	7	73.33	25	38	12	49.00	4.8
Bay City	50.67	61.30	51.80	54.59	19	82	6	70.00	24	38	24	44.67	3.9
Bayfield	51.73	58.87	51.70	54.10	19	73	6	*b*65.00	24	39	24	43.67	5.7
Beloit	56.46	72.93	58.53	62.64	7	89	6	*i*75.67	12	40	12	51.00	2.9
Green Bay	59.03	70.37	56.53	61.98	7	91	7	79.00	24	42	24	52.00	3.8
Janesville	56.70	71.97	60.00	62.89	7	83	7	77.67	25	44	25	53.33	4.6
Kenosha	57.28	67.54	59.14	61.32	7	88	----	?	16	47	16	53.00	3.4
Lind	------	------	------	------	------	------	------	------	------	------	------	------	4.9
Manitowoc	55.03	65.77	56.33	59.04	20	87	20	76.33	25	40	25	47.33	5.5
Milwaukee, [Pomeroy]	59.40	71.33	59.83	63.52	5	87	6	75.67	26	44	25	53.33	5.6
Milwaukee, [Winkler]	56.75	69.57	58.67	61.66	7	89	7	78.33	14	*w*45	22	50.50	3.4
New Danemora (*x*)	49.18	68.97	55.96	58.04	----	------	----	------	----	------	----	------	----
Platteville	58.83	75.10	61.63	65.18	7	92	7	80.67	12	*y*48	16	55.33	4.2
Waukesha	56.60	71.60	59.73	62.64	7	90	7	79.33	25	43	16	49.67	4.2
IOWA—													
Bellevue	56.01	75.30	58.93	63.41	29	90	7	77.00	17	40	25	43.33	3.8
Border Plains	58.83	74.07	60.40	64.43	19	90	19	78.00	15	*z*50	15	53.67	3.6

a Same temperature on the 9th.
b Same temperature on the 20th.
c Same temperature on the 8th and 80th.
d Same temperature on the 8th.
e Observations taken at 6 a. m. and 1 p. m.
f Same temperature on the 23d.
g Observations taken at sunrise, 2 p. m., and 9 p. m.
h Same temperature on the 17th.
i Same temperature on the 7th.
j Same temperature on the 25th.
k Same temperature on the 27th.
l Observations taken at 7 a. m., 1 p. m., and 7 p. m.
m Same temperature on the 20th and 29th.
n Same temperature on the 13th.
o Observations taken at morning, noon, and sunset.
p Same temperature on the 26th.
q Observations taken at 7 a. m., 1 p. m., and 9 p. m.
r Same temperature on the 16th
s Same temperature on the 7th, 19th, and 20th.
t Same temperature on the 29th and 30th.
u Same temperature on the 30th.
v Same temperature on the 19th and 20th.
w Same temperature on the 22d and 23d.
x Imperfect.
y Same temperature on the 16th and 26th.
z Same temperature on the 24th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
IOWA—Continued.													
Dubuque	58.80	72.37	62.10	64 42	7	88	6	78.67	25	44	25	54.00	3.4
Fairfield	61.07	73.82	60.66	65.18	6	*a* 87	7	76.00	12	*b* 50	25	56.00	3.7
Fort Madison (*c*)	57.30	74.80	63.76	65.29	7	90	7	79.67	25	42	16	53.00	2.5
Franklin	58.23	72.70	60.33	63.75	6	88	6	76.67	12	45	12	53.00	2.9
Iowa City	58.43	73.53	59.86	63.94	6	*d* 88	7	78.33	17	44	17	52.00	2.8
Muscatine	55.77	72.97	61.67	63.47	20	87	7	76.33	12	*e* 42	12	52.00	1.7
Pleasant Plain	59.13	73.90	60.13	64.39	7	90	7	78.00	12	*f* 46	16	52.00	3.1
Rossville	54.04	68.70	56.73	59.82	6	85	6	76.87	12	40	16	50.13	3.9
Sioux City	57.72	69.46	59.35	62.18	19	87	----	?	15	47	----	?	?
MINNESOTA—													
Burlington	48.10	62.70	62.10	57.63	28	78	2	65.00	11	31	17	38.67	----
Forest City	51.50	64.43	52.87	56.27	19	84	19	72.00	22	40	11	47.00	2.3
Hazlewood	53.07	64.22	56.68	57.99	19	77	19	70.33	16	34	16	49.67	4.5
Princeton	53.43	68.73	55.46	59.21	19	88	19	76.00	12	36	11	50.00	3.8
NEBRASKA—													
Bellevue	59.90	72.40	61.77	64.69	19	86	6	74.33	12	48	10	57.00	2.4
Brownville	61.30	78.37	61.23	66.97	6	96	6	85.67	16	45	24	57.00	2.7
Elkham	56.40	74.09	60 40	63.63	6	*a* 90	6	75.00	16	43	16	55.67	2.7
Omaha	57.30	75.47	60.60	64.46	6	91	6	77.67	11	47	10	54.00	2.6
KANSAS—													
Burlingame	61.70	79.83	63.37	68.30	18	90	6	76.67	10	*g* 54	9	57.67	2.4
Lawrence	63.27	78.90	66.07	69.41	6	94	6	81.33	17	53	3	60.00	2.8
LeavenworthCity, [Berthold]	----	----	----	----	----	----	----	----	----	----	----	----	2.7
Leavenworth City, [McCarty]	65.45	77.57	65.54	69.52	6	89	6	80.67	10	52	10	57.33	3.5
Manhattan	63.27	83.70	65.57	70.85	18	*h* 94	14	83.67	16	50	10	60.67	3.0
Mapleton	61.00	84.00	67.60	70.87	6	*i* 92	5	82.33	4	*j* 50	11	60.67	2.1
UTAH—													
Great Salt Lake City (*k*)	54.00	70.00	60.00	62.00	----	----	----	----	----	----	----	----	----
MEXICO—													
Cordova (*l*)	70.67	73.15	70.97	71.81	9	77.72	----	----	30	66.92	----	----	----
Minatitlan (*m*)	74.83	79.88	------	77.35	6	86	6	81.25	22	*n* 73	24	74.00	----
Mirador (*o*)	66.71	75.13	68.51	70.12	----	----	----	74.35	----	----	----	65.48	----
Vera Cruz (*p*)	80.12	-------	80.87	80.50	----	----	----	----	----	----	----	----	----
CALIFORNIA—													
Sacramento	62.20	76.10	68.40	68.90	15	87	1	77.00	6	*q* 55	19	*r* 65.00	0.9
San Francisco	58.73	69.03	58.27	62.01	30	91	30	73.33	14	54	5	57.67	3.0
Marysville	66.03	85.50	73.60	75.04	3	97	2	83.67	27	58	5	66.67	2.0
WEST INDIES—													
Centre Sig'l Station, Ber'da(*s*)	-------	-------	-------	78.67	----	-------	----	-------	----	-------	----	-------	----
Nassau, Bahamas (*t*)	-------	-------	-------	85.11	----	-------	1	*u* 89.50	----	-------	4	76.00	----
Turk's Island, Bahamas (*v*)	81.17	85.03	82.45	82.85	21	88	4	*w* 83.67	8	80	8	81.67	----
CENTRAL AMERICA—													
Guatemala (*x*)	59.36	71.24	63.32	66.81	?	81.7	----	-------	?	56.8	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*y*)	75.10	87.10	80.20	80.80	9	91	8	*z* 83.00	28	73	24	75.33	4.2
EASTERN CONTINENT—													
Jerusalem, Palestine	70.63	76.93	72.72	73.43	1	87	1	81.17	30	65	30	68.17	0.9

a Same temperature on the 19th.
b Same temperature on the 13th.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Same temperature on the 7th.
e Same temperature on the 17th and 26th.
f Same temperature on the 16th and 25th.
g Same temperature on the 16th and 17th.
h Same temperature on the 20th and 29th.
i Same temperature on the 18th.
j Same temperature on the 11th.
k Observations taken at 6 and 9 a. m. and 3 and 9 p. m. Mean at 9 a. m., 64.
l Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 72.45; at 6 p. m., 71.83.
m Observations taken at 7 a. m. and 3 p. m.
n Same temperature on the 24th, 25th, 29th, and 30th.
o Observations taken at 7 a. m., 2 p. m., and 8 p. m.
p Observations taken at 7 a. m. to 9 a. m., and at 9 p. m. to 11 p. m.
q Same temperature on the 27th.
r Same temperature on the 20th.
s Observations taken at noon for 21 days only.
t Mean obtained from daily maximum and minimum.
u Same temperature on the 15th and 16th.
v Observations taken at 6 a. m., noon, and 6 p. m.
w Same temperature on the 5th, 12th, and 22d.
x Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 68.18; mean at noon, 71.96.
y Observations taken at 6 a. m., 2 p. m., and 6 p. m.
z Same temperature on the 9th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	------	------	------	25.72	1	42	1	39.00	3	8	25	12.50	----
Hamilton	53.03	------	52.61	52.82	3	75	3	73.50	8	42	8	42.50	----
Montreal	43.90	52.33	44.56	46.93	19	70	19	63.00	26	31	25	35.67	5.0
Moose Factory (*b*)	31.29	44.13	35.97	37.13	----	68	----	------	----	15	----	------	----
St. John's	45.00	50.03	44.26	46.43	1	64	1	59.33	29	24	29	25.33	----
St. Martin (*c*)	38.70	54.71	45.02	46.14	19	71	19	54.13	26	24	25	34.97	----
Stanbridge	39.74	52.55	42.90	45.06	19	73	18	60.33	26	*d* 23	26	31.67	5.2
Toronto (*c*)	45.05	53.78	47.48	48.77	3	76	19	54.68	26	34	26	39 87	6.0
Windsor	41.55	52.58	43.74	45.96	19	70	4	57.00	13	26	29	31.60	5.6
Wolfville	44.03	52.33	43.97	46.78	19	70	14	60.17	29	27	29	32.00	5.8
MAINE—													
Cornish, [Guptill]	44.22	53.45	46.22	47.96	19	*e* 71	19	64.67	25	*f* 30	25	35.33	5.1
Cornish, [West]	43.09	52.83	45.19	47.04	19	*e* 72	19	62.00	26	28	25	34.67	4.6
Dexter	------	------	------	------	----	------	----	------	----	------	----	------	5.4
Gardiner	42.40	54.66	46.70	47.92	20	71	20	58.33	29	23	29	35.33	5.8
Perry	41.37	49.02	43.08	44.49	14	58	14	56.00	29	25	29	31.33	5.1
Portland	44.94	54.90	47.87	49.24	4	68	4	59.33	29	31	25	*d* 38.50	5.5
Steuben	41.32	51.39	44.06	45.59	20	71	20	56.33	29	22	29	31.33	5.6
NEW HAMPSHIRE—													
Shelburne	40 52	54.60	43.24	46.12	19	76	4	*e* 58.33	12	24	25	35.33	5.5
Stratford	38.42	50.45	40.32	43.06	19	72	20	55.00	26	20	25	31.33	5.5
West Enfield	43.20	52.84	43.77	46.60	3	*g* 72	19	61.67	26	25	25	32.33	5.3
VERMONT—													
Brandon	41.02	55.05	46.19	47.42	19	72	4	61.67	27	23	26	33.33	5.2
Burlington	43.63	53.31	47.42	48.12	19	69	19	61.67	26	24	26	33.17	5.2
Craftsbury	39.61	50.61	43.52	44.58	19	73	19	60.00	26	23	25	32.00	5.7
Rupert	45.77	61.35	55.20	54.10	19	74	19	66.00	24	34	8	44.00	4.9
St Johnsbury	38.84	51.03	42.14	44.00	20	70	4	57.00	28	23	26	33.00	6.0
MASSACHUSETTS—													
Amherst	45.58	58.64	50.93	51.72	19	73	4	66.20	26	31	26	40.70	5.0
Bridgewater (*h*)	47.07	60.20	51.58	52.95	4	80	4	70.33	26	31	26	39.33	4.9
Cambridge	47.81	59.81	51.58	53.07	4	*g* 75	4	69.00	26	30	25	38.33	4.8
Florida	------	------	------	------	----	------	----	------	----	------	----	------	6.0
Lawrence	45.45	60.39	50.06	51.97	19	86	4	67.00	29	30	26	40.00	5.2
Mendon	47.71	60.13	50.26	52.70	4	75	4	68.33	26	32	25	39.33	5.1
Nantucket	54.37	59.52	54.61	56.17	4	72	4	65.83	26	43	25	45.33	4.0
New Bedford	50.10	60.40	51.80	54.10	4	76	4	69.33	26	32	26	39.67	5.1
Richmond	40.26	60.00	49.74	50.00	20	76	4	64.33	26	22	26	36.67	5.3
Westfield	43.39	58.20	48.10	49.90	18	72	4	64.67	26	28	26	36.33	4.9
Williamstown	44.03	53.97	46.77	48.26	3	71	3	61.67	27	22	27	32.33	6.1
Worcester	47.43	60.07	52.60	53.37	19	75	4	67.33	26	33	25	39.17	5.2
RHODE ISLAND—													
Providence (*i*)	49.00	61.90	51.60	54.17	4	82	4	67.33	26	33	25	40.00	4.3
CONNECTICUT—													
Columbia	48.84	61.51	49.16	53.17	20	84	4	66.67	25	32	25	38.33	4.4
Middletown	45.68	63.71	49.93	53.11	4	84	4	70.60	26	26	26	37.80	4.6
New London	49.26	60.50	50.03	53.26	4	81	4	73.32	26	34	26	40.00	4.8
Pomfret	45.71	58 06	49.02	50.93	4	71	4	65.00	26	30	8	42.50	4.9
Saybrook	51.24	67.23	52.46	56.98	4	76	4	68.67	25	34	25	41.00	4.5
Wallingford	45.56	62.06	49.86	52.49	4	84	4	71.17	26	29	26	38.33	4.1
NEW YORK—													
Bellport	51.08	60.11	52.21	54.47	4	74	4	66.67	26	34	26	38.33	4.7
Buffalo (*j*)	51.58	56.84	52.40	53.61	3	71	3	69.00	26	39	8	44.00	5.5
Clinton	46.51	60.68	48.22	51.80	3	*k* 80	3	69.67	25	27	25	36.33	5.5
Fishkill Landing	48.84	61.20	53.50	54.51	4	76	4	69.67	26	32	26	38.67	4.0
Flatbush	50.33	62.21	53.80	55.45	4	84	4	73.90	26	34	26	41.70	4.9
Fort Edward	44.10	56.90	48.45	49.82	19	70	4	63.67	26	*l* 30	26	37.67	5.3

a Register thermometer; observations very much interrupted after the 11th.
b Observations taken at sunrise, 2 p. m., and 10 p. m.
c Observations taken at 6 a. m., 2 p. m , and 10 p. m.
d Same temperature on the 29th.
e Same temperature on the 20th.
f Same temperature on the 26th and 29th.
g Same temperature on the 19th.
h Observations taken at 7 a. m., 2 p. m., and 7 p. m.
i Observations taken at 6 a. m., 1 p. m., and 10 p. m.
j Observations taken at 8 a. m., 2 p. m., and 9 p. m.
k Same temperature on the 18th.
l Same temperature on the 27th and 28th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Houseville	43.83	56.96	46.45	49.08	3	76	3	65.67	26	25	26	36.00	5.9
Nichols	45.00	62.55	47.71	51.75	3	*a* 79	3	67.67	27	23	26	36.00	5.3
Rochester	46.51	56.00	50.13	50.88	3	78	3	70.00	14	26	26	37.33	5.9
Sag Harbor	52.00	65.33	55.00	57.44	4	87	4	74.00	27	38	25	45.33	4.6
Waterford	45.40	59.13	49.92	51.52	19	73	4	63.67	26	28	26	37.00	5.0
NEW JERSEY—													
Freehold	48.23	65.55	------	------	4	89	4	78.50	26	32	26	43.00	----
Lambertville	47.78	65.71	52.34	55.28	4	88.6	----	------	26	25.8	----	------	----
Newark (*b*)	------	------	------	55.11	4	83	4	75.00	27	35	26	42.62	----
PENNSYLVANIA—													
Bedford	46.54	65.61	54.42	55.52	4	83	4	76.00	28	24	27	42.00	4.7
Berwick	49.00	64.57	53.85	55.80	4	82	4	69.33	27	30	26	42.33	3.6
Cannonsburg	50.32	62.67	56.22	56.40	3	81	3	72.67	8	*c* 40	8	44.33	5.9
Carlisle	48.58	62.35	53.27	54.73	4	81	4	74.33	27	28	26	40.00	4.1
Chambersburg	49.52	65.39	53.84	56.25	3	86	4	78.67	27	30	26	41.33	4.4
Chromedale	53.06	66.32	57.03	58.80	4	90	4	79.00	26	35	26	43.67	----
Easton	47.42	63.93	51.35	54.23	4	87	4	74.00	27	27	26	38.83	4.1
Fleming	45.35	63.20	47.80	52.12	3	*d* 82	4	74.00	27	22	27	37.00	4.3
Gettysburg	50.64	66.58	57.30	58.17	4	86	4	76.33	27	34	26	46.67	3.6
Harrisburg, [Heisely]	53.07	65.00	59.13	59.07	4	86	4	76.67	27	37	26	45.00	3.8
Harrisburg, [Hickok]	49.85	64.11	55.06	56.34	4	85	4	72.83	27	33	26	40.33	4.8
Lewisburg	45.75	62.42	50.50	52.87	4	82	4	72.47	27	23	27	37.37	5.5
Morrisville	49.20	64.84	53.58	55.87	4	88	4	74.67	27	32	26	41.00	3.6
Mount Joy	51.00	68.60	56.64	58.74	4	89	4	78.00	27	28	25	33.50	3.8
Murrysville	47.71	62.61	50.00	53.44	3	*d* 80	3	71.33	27	29	27	42.33	4.9
Norristown	48.71	62.25	54.00	54.99	4	84	4	75.67	26	30	26	39.00	4.1
North Whitehall (*e*)	46.81	64.71	56.78	56.10	4	86	4	79.33	27	27	26	43.33	----
Paradise	------	------	------	62.00	----	------	----	------	----	------	----	------	----
Philadelphia	51.40	63.49	55.66	56.85	4	90	4	77.33	26	39	26	46.33	5.2
Pittsburg, [Martin]	50.22	61.83	54.12	55.39	4	81	4	72.00	27	38	24	47.33	6.3
Pocopson	50.60	65.03	53.68	56.44	4	87	4	78.33	27	27	26	40.33	5.0
Shamokin (*f*)	44.68	62.22	53.10	53.33	4	82	4	72.67	27	11	26	37.33	4.3
Somerset	46.32	62.40	51.10	53.27	3	*d* 79	4	71.33	10	*g* 34	9	42.67	5.6
Tarentum	47.55	63.58	50.42	53.85	3	*d* 82	3	71.00	27	31	15	44.33	5.2
West Haverford	50.64	64.32	------	57.48	4	86	4	77.00	26	34	26	42.00	4.0
Westtown	50.72	63.94	53.32	55.99	4	86	4	75.50	27	29	26	39.63	5.3
DELAWARE—													
Georgetown (*h*)	57.00	66.68	62.77	62.15	4	93	4	84.33	27	38	28	48.33	----
MARYLAND—													
Annapolis	52.61	64.93	60.26	59.27	4	86	4	77.33	27	33	27	45.16	4.5
Baltimore	52.32	64.06	57.20	57.86	4	84	4	73.83	27	36	26	44.00	5.2
Bladensburg	49.08	65.77	54.27	56.37	3	80	----	?	27	25	----	?	5.1
Chestertown	52.34	65.10	55.74	57.73	4	82	4	70.83	27	35	27	42.33	4.4
Frederick	49.56	63.06	54.02	55.55	4	83	4	73.00	27	32	27	41.67	4.3
Leitersburg	47.30	63.90	50.64	53.95	3	*d* 86	4	74.00	27	26	27	39.33	3.7
Sykesville	50.55	64.64	55.00	56.76	3	76	4	73.33	27	31	26	42.67	4.3
DISTRICT OF COLUMBIA—													
Washington	52.23	65.33	57.62	58.39	4	84	4	74.67	27	33	26	*i* 45.00	4.1
VIRGINIA—													
Crichton's Store (*j*)	58.06	69.48	67.81	65.12	4	88	----	?	26	*i* 47	----	?	4.3
Hartwood	56.00	69.70	56.35	60.68	4	91	4	80.00	27	*k* 40	26	48.37	----
Holliday's Cove	46.45	66.43	50.20	54.36	3	85	5	69.33	10	30	25	41.33	----
Kanawha (*l*)	52.08	66.03	56.86	58.32	3	*d* 83	?	?	9	*m* 37	----	?	4.1
Lewinsville	53.55	67.84	57.85	59.75	4	91	4	78.50	27	34	26	46.67	3 9
Lewisburg	45.22	68.71	51.84	55.26	4	80	5	65.67	9	*n* 36	9	46.33	3.0
Meadow Dale	44.80	61.20	54.20	53.40	18	77	4	67.67	10	30	26	39.67	----
Montross	52.60	65.70	56.83	58.38	3	82	3	79.00	26	*i* 34	26	43.33	3.8

a Same temperature on the 20th.
b Observations taken at 7 a. m and 6 p. m.
c Same temperature on the 9th, 10th, and 15th.
d Same temperature on the 4th.
e Observations taken at sunrise, noon, and sunset.
f Observations in the night. Mean, 38.03.
g Same temperature on the 14th.
h Observations taken at 8 a. m., 1 p. m., and 6 p. m.
i Same temperature on the 27th.
j Observations taken at 8 a. m., noon, and 5 p. m.
k Same temperature on the 28th.
l Incomplete.
m Same temperature on the 10th.
n Same temperature on the 21st.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Point Pleasant	70.13	79.43	70.37	73.31	26	87	26	79.67	2	61	3	69.00	3.9
Poplar Grove	49.80	68.71	53.20	57.24	3	85	4	68 67	9	34	9	45.00	5.2
Portsmouth	57.87	71.84	58.16	62.62	4	90	4	77.67	28	35	27	48.33	2.9
Rougemont (*a*)	55.65	71.52	61.83	63.00	4	89	4	77.33	9	44	9	51.33	4.1
Smithfield	54.14	68.58	60.23	60.98	4	84	4	76.40	28	32	27	45.67	4.4
Stribling Springs	41.67	63.51	43.96	49.71	4	83	3	65.67	25	28	25	39.33	4.7
Winchester	51.03	68.81	55.13	58.32	4	89	4	78.33	27	32	27	44.00	3.7
Wirt Court-House	50.32	63.64	53.03	55.66	4	80	4	66.33	15	34	9	*b* 46.00	4.6
NORTH CAROLINA—													
Chapel Hill	55.42	71.00	59.67	62.03	5	89	4	76.00	15	45	26	50.33	4.3
Davidson College	54.23	69.20	59.85	61.09	4	87	4	75.63	10	42	28	49.00	3.7
Gaston	56.10	71.36	56.45	61.30	4	*c* 88	4	74.67	15	*d* 41	26	48.67	....
Goldsborough	57.64	72.61	61.90	64.05	4	88	4	79.10	10	41	10	52.33	3.9
Murfreesborough (*e*)	53.60	69.16	59.68	60.81	8	84	8	75.00	28	38	26	50.67	4.0
SOUTH CAROLINA—													
Aiken	58.29	74.81	61.84	61.98	7	87	7	77.00	15	*f* 48	27	52.00	4.0
All Saints	63.71	72.93	69.03	68.56	4	*c* 82	7	77.33	10	*g* 52	9	60.00	3.8
Charleston, [Dawson]	66.64	74.22	69.86	70.24	....	82	....	.....	....	57	....	.....	....
Charleston, [Johnson]	66.06	74.22	69.81	70.03	4	*h* 82	7	77.33	15	*g* 57	15	*g* 63.00	....
Columbia	60.20	76.39	66.71	67.77	4	90	4	79.67	15	48	27	55.33	4.1
St. John's	59.37	73.61	63.07	66.35	3	84	....	?	16	47	....	?	4.1
GEORGIA—													
Athens (*i*)	50.19	74.64	61.57	62.13	6	85	....	?	15	49	....	?	2.5
Augusta	66.02	77.30	71.67	71.66	4	89	7	81.50	15	54	....	?	3.9
Savannah	64.90	75.81	69.40	70 04	7	88	7	79.07	15	54	15	61.10	5.0
Sparta	57.74	76.20	64.55	66.16	6	89	6	78.67	15	42	27	55.33	3.8
Whitemarsh Island	66.55	74.90	69.10	70.18	2	*j* 84	7	77.67	15	56	15	61.67	4.6
FLORIDA—													
Alachua County (*k*)	67.32	78.58	71.87	72.59	5	*l* 85	5	*m* 79.00	9	*n* 59	....	?	3.5
Alligator	66.80	81.40	71.80	73.33	4	*o* 90	8	80.33	10	56	10	68.33	4.4
Atsena	71.64	78.50	75.26	75.13	4	86	4	*p* 80.00	15	*f* 65	24	70.67	2.8
Belair	66.70	79.93	72.71	73.11	8	88	6	81.00	10	55	31	65.00	....
Jacksonville	70.06	76.77	72.26	73.03	7	85	7	79.67	9	62	9	67.00	4.8
Micanopy	70.13	81.05	74.20	75.12	5	87	7	80 33	24	62	9	69.00?	4.1
St. Augustine	74.51	79.51	74.93	76.32	4	*c* 85	6	*c* 80.67	9	67	9	71.67	4.2
Salt Ponds	78.84	83.87	.....	81.35	5	*q* 88	6	85.00	19	*r* 76	19	*s* 77.00	3.3
ALABAMA—													
Carlowville	63.90	79.16	68.64	70.57	4	90	4	82.67	8	*t* 56	31	58.00	3.7
Greensborough (*u*)	58.09	74.53	62.14	64.92	19	80	....	?	15	42	29	57.33	4.3
Greene Springs	58.93	77.08	62.68	66.23	5	89	5	77.67	15	39	15	*v* 55.50	4.2
Selma	59.10	77.74	64 84	67.23	3	90	7	77.33	15	37	15	56.00	5.0
MISSISSIPPI—													
Columbus	58.55	75.88	64.02	66.15	2	89	6	76.23	15	43	8	56.27	3.8
Natchez	60.77	76.40	69.40	68.86	1	*w* 84	5	*m* 78.00	30	49	29	60.33	3.6
Paulding	65 25	79.59	70.77	71.87	1	*x* 90	4	80.50	8	*y* 55	---	.....	4.4
LOUISIANA—													
Black River	61.58	76.87	67.77	68.74	5	86	6	78.00	9	*z* 52	29	60.67	3.8
New Orleans (*aa*)	74.35	78.00	79.80	77.38	7	87	7	83.67	29	*y* 65	29	69.00	....
TEXAS—													
Austin, [Palm]	65.10	81.90	69.51	72.17	4	*m* 90	6	81.00	28	49	28	58.67	3.5

a For the first 23 days of the month.
b Same temperature on the 15th.
c Same temperature on the 7th.
d Same temperature on the 27th.
e For the last 25 days of the month.
f Same temperature on the 16th.
g Same temperature on the 25th.
h Same temperature on the 6th and 7th.
i For the first 17 days of the month.
j Same temperature on the 3d and 7th.
k Observations taken at 6 a. m., 2 p. m., and 9 p. m.
l Same temperature on the 6th and 8th.
m Same temperature on the 6th.
n Same temperature on the 10th.
o Same temperature on the 8th.
p Same temperature on the 5th and 7th.
q Same temperature on the 6th, 10th, and 11th.
r Same temperature on the 20th, 21st, 22d, and 23d.
s Same temperature on the 21st, 22d, and 23d.
t Same temperature on the 31st.
u For the last 29 days of the month.
v Same temperature on the 29th.
w Same temperature on the 5th and 6th.
x Same temperature on the 2d.
y Same temperature on the 30th.
z Same temperature on the 15th, 29th, and 30th.
aa Observations taken at 9 a. m., noon, and 3 p. m.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Austin, [Van Nostrand]	63.93	81 68	69 82	71.81	3	*a* 90	4	80.33	28	*b* 51	19	59.67	3.7
Goliad	68.60	72.35	63.48	68.14	6	92	4	82.67	27	57	27	62.00	3.6
Larissa	63.32	75.71	68.42	69.15	5	93	5	82.00	20	49	20	57.33	3.2
New Braunfels	63.01	83.51	71.55	72.69	6	90	6	80.00	28	48	27	62.58	1.5
Union Hill	66.26	82.03	70.32	72.87	5	93	6	80.33	20	52	20	64.00	4.9
Washington (*c*)	69.52	82.72	70.85	74.36	5	*d* 92	6	82.67	11	58	----	?	4.2
TENNESSEE—													
Glenwood	54.24	69.50	58.16	60.63	2	86	3	74.93	15	37	20	48.63	4.9
Memphis	58.30	71.58	61.45	63.78	2	*e* 85	2	*d*76.67	15	42	20	53.31	4.4
KENTUCKY—													
Bardstown	52.26	67.60	57.01	58.96	3	85	3	76.00	9	*f* 32	9	44.33	4.5
Louisville (*g*)	52.42	68.37	57.71	59.50	3	*a* 87	3	77.00	15	37	9	50.00	4.8
Paris	52.26	64.76	55.81	57.61	3	84	3	75.00	10	*a* 35	-----	?	5.2
Springdale (*h*)	49.37	68.31	62.10	59.93	3	*a* 87	3	77.17	9	28	9	46.67	6.1
OHIO—													
Avon (*i*)	50.10	61.00	53.72	54.94	18	77	17	62.00	27	42	27	46.50	6.2
Bellefontaine	50.08	64.42	51.83	55.44	3	*a* 83	3	73.20	22	33	9	44.33	5.8
Bowling Green	49.11	62.46	51.90	54.49	3	83	3	75.10	10	*j* 32	8	41.80	5.5
Cincinnati, [Harper]	54.40	71.03	60.35	61.93	3	86	4	79 67	9	*f* 41	9	53.00	5.4
Cleveland	50.00	61.06	52.26	54.44	3	82	3	75.80	8	37	8	42.80	6.5
Cleveland, (near)	------	------	------	59.00	------	------	------	------	------	------	------	------	----
Collingwood	50.90	61.16	52.39	54.82	3	82	3	75.67	10	34	8	45.00	----
Dayton	49.77	61.17	57.35	57.30	3	85	3	73.23	15	35	8	45.43	5.7
Edinburg	51.16	60.29	51.35	54.27	3	80	3	71.67	8	34	8	40.00	5.1
Hillsborough	49.76	60.73	54.40	54.96	3	80	3	72.50	9	35	9	43.33	5.2
Hiram	50.77	60.09	52.22	54.36	3	80	3	71.57	8	32	8	42.67	6.1
Hudson	49.73	59.91	53.20	54.28	3	77	3	70.90	8	36	8	42.30	5.7
Jackson, (Monroe county)	49.35	64.87	54.00	56.07	4	83	----	?	15	*j* 37	----	?	5.6
Jefferson	61.35	64.07	62.19	62.54	16	*k* 68	17	*l* 66.00	7	*m* 50	7	50.67	8.2
Lancaster	49.90	63.45	52.65	55.33	3	82	3	72.03	9	36	24	44.17	4.7
Madison, [Atkins]	49 20	57.80	50.50	52.50	2	80	2	75.00	27	28	7	*l* 41.67	6.0
Madison, [King]	49.77	59.86	49.81	52.81	3	83	3	75.67	27	30	27	41.33	6.2
Medina (*n*)	50.40	59.06	50.50	53.32	3	79	3	72.16	8	37	14	42.67	----
Montville	50.11	58.70	51.40	53.40	3	79	3	72.00	8	37	8	42.33	5.6
New Lisbon	50.51	69.61	54.26	58.13	3	83	3	73.00	17	34	15	*o* 48.33	4.3
Northwood	------	------	------	------	------	------	------	------	------	------	------	------	5.0
Ripley (*p*)	51.99	------	56.90	54.40	4	73	----	?	10	37	----	?	6.1
Savannah	48.87	68.97	51.55	56.46	3	87	3	78.33	10	*f* 31	8	40.67	6.9
Urbana	49.10	65 52	51.86	55.49	3	86	3	76.00	10	*q* 33	8	43.67	5.2
Welchfield	47.61	60.93	49.80	52.78	3	81	3	71.67	8	33	8	40.33	4.5
Westerville	50.43	64.05	53.93	56.12	3	*a* 83	3	71.67	15	34	8	*r* 45.33	6.1
Windham	46.55	61.35	50.90	52.93	3	82	3	73.67	27	34	8	41.67	----
MICHIGAN—													
Battle Creek	47.50	56.45	49.61	51.19	3	76	3	69.33	8	*s* 37	8	40.67	5.5
Cooper	51.10	56.80	51.10	53.00	17	*t* 70	17	60.67	8	*f* 38	8	40.00	2.7
Detroit	51.03	65.13	51.03	55.73	3	85	3	75.67	8	32	8	38.33	6.1
Grand Rapids, [Streng]	45.68	56.90	48.51	50.36	17	79	3	70.00	10	32	8	*u* 41.67	7.2
Marquette	42.41	50.93	44.52	45.95	17	73	17	64.87	20	22	7	38.07	7.0
Monroe	------	------	------	------	------	------	------	------	------	------	------	------	6.1
New Buffalo (*v*)	46.40	58.30	48.22	50.97	3	79	3	68.33	9	30	8	42.67	6.9
Ottawa Point (*w*)	49.71	52.71	51.84	51.22	3	69	3	66.25	8	39	8	40.75	7.4

a Same temperature on the 4th.
b Same temperature on the 29th.
c For the first 23 days of the month.
d Same temperature on the 6th.
e Same temperature on the 3d.
f Same temperature on the 15th.
g Observations taken at 7 a. m., 3 p. m., and 9 p. m.
h Observations taken at 7 a. m., 2 p. m., and 5 p. m.
i For the last 16 days of the month.
Same temperature on the 22d.
Same temperature on the 17th, 18th, 19th, 20th, 21st, 22d, 26th, 27th, and 28th.
Same temperature on the 28th.
m Same temperature on the 8th.
n For the first 15 days of the month.
o Same temperature on the 27th.
p Incomplete.
q Same temperature on the 15th and 22d.
r Same temperature on the 14th.
s Same temperature on the 10th.
t Same temperature on the 18th.
u Same temperature on the 9th.
v Observations taken at 7 a. m., 1 p. m., and 9 p. m.
w Observations taken at 6 a. m., 9 a. m. 3 p. m., and 9 p. m. Mean at 9 a. m., 50.64.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°	°		°		
MICHIGAN—Continued.													
Port Huron	49.08	59.00	49.48	52.52	18	76	18	65.33	8	34	8	40.33	6.2
Thunder Bay Island (*a*)	46.69	50.19	48.06	48.57	3	66	3	62.62	7	36	8	41.50	6.9
INDIANA—													
Cannelton	55.08	65.82	56.46	59.12	4	80	3	75.17	9	37	9	46.00	5.2
Logansport	49.84	62.42	53.97	55.41	3	87	3	78.33	21	37	7	45.00	6.0
Madison	50.03	61.74	52.45	54.74	4	84	3	73.67	9	33	21	40.67	5.3
Michigan City (*b*)	48.78	61.00	52.35	54.04	3	81	3	73.67	8	35	8	43.33	5.4
New Harmony	52.74	65.45	57.00	58.40	3	85	3	76.67	9	36	20	43.33	4.7
Notre Dame	53.03	58.16	53.95	55.05	3	78	3	73.33	19	41	8	*c* 45.33	6.6
Richmond, [Austin] (*d*)	50 13	63.29	.....	56.71	3	83	3	77.00	10	33	10	44.50	6.8
Richmond, [Moore]	46.36	61.66	52.31	53.44	4	80	4	68.67	9	32	8	41.33	6.2
ILLINOIS—													
Athens	50.29	62.75	49.90	54.31	2	88	3	76.33	8	30	19	40.33	6.0
Augusta	48.32	60.45	52.74	53.84	2	*e* 85	3	75.33	9	31	8	42.33	5.3
Aurora	47.68	58.87	50.40	52.32	2	80	3	69.67	8	34	8	40.00	5.7
Batavia, [Capon]	45.51	56.51	47.84	49.95	2	81	17	69.67	8	31	2	68.33	6.4
Batavia, [Mead]	44.25	57.61	47.55	49.80	2	81	2	67.00	9	29	8	37.67	6.1
Brighton	46.61	71.45	63.90	60.65	3	84	7	73.67	20	28	9	44.00	5.1
Carthage (*f*)	48.65	61.58	51.68	53.97	2	88	3	74.67	21	35	8	44.67	....
Edgington	47.20	59.51	51.35	52.69	2	83	2	71.33	7	*g* 32	8	40.67	6.8
Elgin	45.71	57.30	48.64	50.55	2	79	2	*e* 67.00	8	32	8	39.33	6.4
Jacksonville (*h*)	50.10	62.61	55.80	56.17	3	85	3	75.11	9	32	20	42.22	....
Manchester (*i*)	48.30	62.74	60.80	57.28	3	87	3	75.33	9	30	19	40.33	5.6
Marengo	47.35	60.22	47.94	51.77	2	80	3	69.33	8	32	8	38.67	6.4
Ottawa	46.19	57.20	50.27	51.22	3	80	3	72.33	9	31	8	39.00	5.4
Pekin	48.03	59.64	50.67	52.78	2	83	3	71.33	9	*c* 30	8	41.00	5.9
Peoria	48.90	59.51	52.03	53.48	3	86	3	75.17	9	34	20	40.67	5.6
Riley	44.53	58.00	47.94	50.16	2	*j* 76	2	66.67	8	*c* 30	8	37.00	5.4
Upper Alton	49.22	64.40	53.70	55.77	2	84	2	74.00	20	*k* 34	20	43.00	4.4
Waynesville	47.00	58.00	55.45	53.48	3	83	3	75.00	9	31	19	41.67	6.5
West Salem	52.58	66.90	55.35	58.28	3	90	3	77.33	9	39	20	46.33	5.0
West Urbana	50.16	61.10	53 00	54.75	3	84	3	74.67	9	33	20	41.00	6.0
Wheaton	46.76	57.35	49.77	51.29	2	79	3	69.17	8	32	8	38.67	7.1
Winnebago	45.35	57.73	49.03	50.70	2	83	2	70.67	9	30	8	38.83	6.0
MISSOURI—													
St Louis	53.20	65.87	56.77	58.61	2	89	3	77.50	9	40	10	50.33	5.2
WISCONSIN—													
Appleton	44.42	52.76	47.58	48.25	2	77	2	67.00	8	*l* 31	8	34.33	5.9
Bay City	40.42	47.89	41.84	43.38	17	70	17	64.00	19	*m* 28	19	34.00	5.8
Bayfield	49.61	47.84	42.35	43.60	17	69	17	61.33	19	*m* 30	19	39.67	7.4
Beloit	46.16	58.61	49.00	51.26	2	80	3	70.33	8	32	8	39.00	5.1
Green Bay	47.58	54.26	47.87	49.90	17	74	17	68.33	8	32	8	36.33	6.9
Janesville	45.93	56.03	48.70	50.22	17	78	17	67.33	7	*g* 30	7	*n* 33.33	6.3
Kenosha	47.83	56.37	49.69	51.30	2	78	2	69.33	8	*c* 33	8	39.00	5.0
Lind	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.6
Madison, [Sterling]	45.85	50.71	46.50	47.69	1	74	1	66.33	7	*o* 35	20	39.33	7.2
Manitowoc	45.52	52.35	47.58	48.48	2	74	2	63.33	10	32	7	39.67	7.0
Milwaukee, [Pomeroy]	50.00	55.06	50.32	51.79	5	74	3	69.67	8	31	8	37.00	7.2
Milwaukee, [Winkler] (*p*)	45.97	54.10	47.84	49.30	2	78	2	66.67	8	32	8	*c* 39.33	5.5
Platteville	46.71	58.93	50.13	51.92	2	88	2	74.00	8	29	8	37.00	6.3
Waukesha	46.61	51.74	48 84	49.06	17	78	17	69.67	8	32	8	39.33	6.2
IOWA—													
Bellevue	44.10	59.39	48.19	50.56	2	84	2	72.33	9	27	7	39.67	6.3
Border Plains	45.06	59.58	47.84	50.83	2	87	2	73.67	14	31	8	43.00	5.8

a Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 49.35.
b For the first 17 days of the month.
c Same temperature on the 9th.
d Observations taken at 6 a. m. and 1 p. m.
e Same temperature on the 3d.
f Observations taken at 7 a. m., 1 p. m., and 7 p. m.
g Same temperature on the 8th and 9th.
h Observations taken at sunrise, 1 p. m., and sunset.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 15th.
k Same temperature on the 21st.
l Same temperature on the 19th.
m Same temperature on the 20th.
n Same temperature on the 8th.
o Same temperature on the 8th and 20th.
p Observations taken at 3½ p. m.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
IOWA—Continued.	°	°	°	°		°		°		°		°	
Dubuque	46.45	56.68	50.26	51.13	2	82	2	73.00	9	33	7	39.67	5.5
Fairfield	46.45	60.17	51.22	52.61	2	88	2	75.33	8	32	8	40.33	6.0
Fort Madison (*a*)	46.29	58.90	52.93	52.70	3	82	3	71.33	8	29	8	39.67	5.4
Iowa City	45.61	58.20	49.25	51.02	2	86	2	72.67	8	27	18	39.00	6.2
Muscatine	46.00	59.81	50.70	52.17	2	85	2	72.67	8	*b* 30	8	40.00	5.8
Pleasant Plain	46.06	60.13	50.32	52.17	2	88	2	74.00	9	30	8	39.00	5.4
Rossville	42.70	54.35	46.96	48.00	2	83	2	71.97	9	29	7	35.03	5.6
MINNESOTA—													
Burlington	38.30	49.06	43.93	43.76	17	62	17	56.33	19	25	19	32.33	6.9
Forest City	39.81	53.13	43.35	45.43	16	70	16	60.67	20	22	8	33.33	2.4
Hazlewood	41.06	53.48	45.50	46.68	2	74	2	63.67	9	24	8	32.00	4.9
Lapham (*c*)	39.60	.....	37.06	38.33	18	68	....	.....	21	22	....	.....	....
Princeton	40.06	54.52	44.90	46.49	2	75	2	63.33	20	26	18	33.33	5.0
NEBRASKA—													
Bellevue	47.20	60.00	50.72	52.64	2	85	2	73.33	27	28	8	40.00	4.0
Brownville	48.81	62.16	48.10	53.02	16	84	16	73.00	8	32	31	43.33	5.8
Elkham	42.97	58.90	47.93	49.93	2	91	17	74.00	15	27	10	38.33	4.9
KANSAS—													
Burlingame	50.69	65.55	53.61	56.62	3	88	17	73.00	14	*d* 34	19	46.67	4.6
Lawrence (*e*)	50.09	62.74	52.78	55.20	17	82	....	?	20	36	30	46.00	6.2
LeavenworthCity,[Berthoud]	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.0
Leav'nwthCity,[McCarty] (*f*)	55.50	63.17	56.67	58.45	....	?	....	?	....	?	....	?	....
Manhattan	50.81	67.22	53.74	57.26	2	*g* 92	2	80.67	20	30	30	45.33	5.0
UTAH—													
Great Salt Lake City (*h*)	52.00	62.00	53.00	55.00	....	87	....	.....	....	26	....	.....	....
MEXICO—													
Cordova (*i*)	70.01	73.62	71.11	71.86	26	78.44	....	.....	2	66.20	....	.....	....
Minatitlan (*j*)	74.06	81.76	.....	77.91	25	*k* 89	25	83.00	1	*l* 71	3	74.50	....
Mirador (*m*)	65.99	75.60	69.10	70.23	....	.....	....	77.47	....	.....	....	66.67	....
Vera Cruz (*n*)	79.30	.....	79.61	79.45	....	.....	....	.....	....	.....	....	.....	....
CALIFORNIA—													
Marysville	55.35	72.29	61.64	63.09	3	85	3	75.00	25	46	25	53.67	2.4
Sacramento	54.16	65.26	58.50	59.31	13	79	1	71.33	19	43	25	51.67	3.1
San Francisco	55.50	64.71	57.00	59.07	12	82	12	70.67	19	50	25	55.33	4.1
WEST INDIES—													
Centre Sig'l Stat'n, Ber'da (*o*)	.....	.....	.....	71.74	14	79	....	.....	28	60	....	.....	....
Nassau, Bahamas (*p*)	.....	.....	.....	82.57	....	.....	6	85.50	....	.....	22	*k* 78.50	....
Turk's Island, Bahamas (*q*)	79.68	82.81	80.94	81.14	1	*r* 86	4	*s* 84.00	28	72	27	74.33	....
CENTRAL AMERICA—													
Guatemala (*t*)	58.64	71.93	62.60	66.02	?	80.8	....	.....	?	53.2	....	.....	....
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*u*)	75.10	87.20	80.60	80.97	15	*v* 90	15	82.67	17	72	7	75.67	3.7
EASTERN CONTINENT													
Jerusalem, Palestine	67.69	77.37	69.65	61.57	27	80	27	75.33	9	62	2	68.00	0.8

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 9th.
c For the last 17 days of the month. Observations taken at sunrise and sunset
d Same temperature on the 19th.
e Observations interrupted from the 2d to the 9th, inclusive.
f Observations omitted from the 5th to the 25th.
g Same temperature on the 3d.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 53.
i Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 72.31, and at 6 p. m., 72.23.
j Observations taken at 7 a. m. and 3 p. m.
k Same temperature on the 26th.
l Same temperature on the 22d.
m Observations taken at 7 a. m., 2 p. m., and 8 p. m.
n Observations taken at 7 a. m. to 9 a. m., and at 10 p. m. to 11 p. m.
o Observations taken at noon.
p Mean obtained from daily maximum and minimum.
q Observations taken at 6 a. m., noon, and 6 p. m.
r Same temperature on the 4th, 5th, 13th, and 14th.
s Same temperature on the 5th.
t Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 65.84. Mean at noon, 71.06.
u Observations taken at 6 a. m., 2 p. m., and 6 p. m.
v Same temperature on the 21st, 23d, and 28th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	-------	-------	-------	—4.87	*b* 1	24	2	19.50	4	—25	21	—22.00	----
Hamilton	36.30	-------	37.20	36.75	1	52	4	50.00	15	25	15	26.00	----
Montreal	30.17	35.80	31.86	32.61	20	57	1	44.40	15	19	14	21.67	7.9
Moose Factory (*c*)	13.42	23.95	18.25	18.54	----	39	----	-------	----	—17	----	-------	----
Red River Settlement (*d*)	11.57	20.35	14.58	15.17	19	34	11	29.33	30	—19	30	0.33	7.5
Rigolet (*e*)	22.03	-------	25.13	23.58	21	35	21	32.50	28	— 4	30	— 2.00	----
St. John's	35.00	36.63	32.10	34.58	1	55	1	52.33	28	22	28	27.00	----
St. Martin's (*f*)	25.12	35.36	27.47	29.32	24	55	1	42.67	15	6	15	54.13	----
Stanbridge	26.23	31.70	26.53	28.15	1	47	5	42.33	15	11	14	15.67	8.2
Toronto (*f*)	32.30	36.58	33.95	34.28	1	52	1	47.93	14	*g* 20	15	23.47	8.1
Windsor	31.78	36.76	33.45	33.99	1	58	1	52.20	23	18	12	23.70	8.0
Wolfville	34.07	38.51	35.19	35.92	1	59	1	53.17	12	17.5	12	24.67	8.4
MAINE—													
Cornish, [Guptill]	28.16	34.96	28 83	30.65	1	58	1	47.33	12	*h* 16	12	19.33	5.5
Cornish, [West]	26.00	33.63	27.80	29.14	1	56	1	44.67	30	10	12	*i* 17.67	5.1
Dexter	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.6
Gardiner	27.75	33.52	30.17	30.48	1	60	1	46.00	30	3	30	20.00	6.5
Perry	26.93	34.12	28.24	29.76	1	56	1	48.33	29	12	29	18.67	5.2
Portland	29.88	37.42	32.60	33.30	1	58	1	49.67	15	16	30	23.33	6.0
Steuben	26.30	35.27	30.87	30.81	1	57	1	50.00	13	9	30	20.33	6.1
NEW HAMPSHIRE—													
Shelburne	27.07	36.13	27.73	30.31	1	55	1	47 33	15	11	29	18.00	7.7
Stratford	24.30	30.50	24 80	26.55	1	*j* 46	1	41.33	15	5	14	14.67	8.2
West Enfield	25.37	32.00	25.67	27.68	1	52	1	44.00	29	9	14	15.00	6.5
VERMONT—													
Brandon	26.91	35.35	28.86	30.37	1	49	5	43.33	14	12	14	16.16	7.7
Burlington	28.18	33.22	29.38	30.36	5	47	1	44.00	15	11	14	19.33	7.5
Craftsbury	24.83	30.73	25.23	26.93	1	47	1	43.00	15	8	14	14.00	8.2
Rupert	28.67	40.67	33.67	34.34	1	62	1	52.00	13	12	13	22.00	8.6
St Johnsbury	26.57	31.13	26.73	29.14	1	*k* 48	1	42.67	15	— 2	30	15.33	8.1
MASSACHUSETTS—													
Amherst	29.81	39.18	32.55	33.85	1	59	1	50.10	29	14	29	20.80	5.8
Bridgewater (*l*)	32.90	40.80	36.07	36.59	1	61	1	52.00	16	16	29	26.00	6.2
Cambridge	32.37	40.37	33.53	35.42	1	62	1	51.00	29	16	29	21.67	6.0
Florida	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	8.3
Lawrence	31.00	38.97	33.10	34.36	1	60	1	49.33	29	14	29	20.00	5.5
Mendon	30.30	38.97	33.20	34.16	1	60	1	52.67	29	10	29	18 67	5.5
Nantucket	40.58	44.15	40.23	41.65	1	58	1	54.00	16	28	16	33.00	6.2
New Bedford	34.30	41.82	36.18	37.43	1	62	1	53.80	16	19	12	26.20	6.7
Richmond	27.53	38.73	31.77	32.68	2	61	2	48.33	14	14	14	19.00	6.1
Westfield	30.00	38.70	32.53	33.74	1	60	1	48.67	29	7	29	17.00	6.5
Williamstown (*m*)	31.88	36.42	32.08	33.46	2	53	1	45.67	24	21	25	25.00	8.4
Worcester	32.32	39.54	32.89	34.92	1	61	1	52.33	29	13	29	22.00	6.2
RHODE ISLAND—													
Providence (*n*)	34.30	41.70	35.70	37.23	1	63	1	53.67	16	*o* 21	29	26.00	5.3
CONNECTICUT—													
Columbia	33.23	41.20	30.77	35.07	1	68	1	53.00	29	8	12	*i* 25.33	5.9
Middletown	30.33	41.79	32.24	34.79	1	62	1	49.70	15	*o* 11	29	22.70	5.5
New London	34.63	42.53	37.20	38.12	1	62	1	54.00	16	*p* 18	28	27.33	5.5
Pomfret	29.67	37.62	32.14	33.14	1	57	1	50.50	16	14	14	*o* 23.10	5.7
Saybrook	35.30	42.13	35.63	37.69	1	61	1	52.67	16	19	29	26.33	5.6
Wallingford	30.15	40.78	31.78	34.24	1	61	1	49.17	29	95	29	22.00	5.5
NEW YORK—													
Bellport	37.98	43.07	37.12	39.39	1	62	1	53.33	16	15	29	27.67	5.7
Buffalo (*q*)	36.67	38.90	37.27	37.61	1	55	1	51.67	11	24	15	29.33	7.9

a Register thermometer.
b Same temperature on the 2d.
c Observations taken at sunrise, 2 p. m., and 10 p. m.
d For the last 21 days of the month.
e Observations at sunrise and sunset.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 15th.
h Same temperature on the 14th, 15th, and 29th.
i Same temperature on the 14th.
j Same temperature on the 5th.
k Same temperature on the 21st.
l Observations taken at 7 a. m., 2 p. m., and 7 p. m.
m Observations interrupted from the 12th to the 17th of the month.
n Observations taken at sunrise, 1 p. m., and 10 p. m.
o Same temperature on the 29th.
p Same temperature on the 20th.
q Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.	WARMEST DAY.			LOWEST DEG.	COLDEST DAY.			
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Clinton	32 80	37.76	32.93	34.50	1	56	1	51.67	14	*a* 17	14	23.00	8.8
Fishkill Landing	34.00	41.53	35.43	36.99	1	63	1	53.00	29	19	29	25.00	5.8
Flatbush	36.41	42.71	37.25	38.79	1	63	1	54.00	29	21	29	27.10	6.4
Fort Edward	29.33	37.20	31.00	32.51	1	52	1	45.00	16	13	29	21.67	7.2
Houseville	26.56	34.73	27.83	29.70	2	56	1	*b*44.67	15	6	16	18.67	8.5
Nichols	32.17	40.17	32.97	35.10	1	60	1	48.67	20	19	29	29.33	8.2
Rochester	34.60	37.53	35.53	35.89	5	55	1	*b*50.00	15	13	14	26.00	8.8
Sag Harbor (*c*)	37.79	45.33	39.08	40.73	1	67	1	53.67	29	22	29	29.33	6.0
Waterford	30.83	39.96	32.42	34.40	1	61	1	49.67	29	13	29	20.00	7.1
NEW JERSEY—													
Freehold	37.14	44.52	.....	.....	1	66	1	57.00	16	20	16	29.00	....
Lambertville	33.81	44.39	37.72	38.64	1	66	....	.....	10	19.5	....	.....	....
Newark (*d*)	.....	.....	.....	38.68	1	61	1	54.25	30	22	16	28.25	....
PENNSYLVANIA—													
Bellefonte (*e*)	38.00	38.44	34.19	36.88	29	44	23	39.00	20	22	20	*f* 31.00	7.6
Berwick	36.30	42.30	37.37	38.66	1	64	2	51 67	15	27	15	31.00	6.0
Cannonsburg	35.46	39.73	38.30	37.83	2	*g* 56	2	54.00	20	24	19	29.00	8.8
Carlisle	35.43	42.45	37.87	38.58	1	60	2	50.70	20	22	14	*h* 31.33	7.2
Chambersburg	35.57	42.70	38.87	39.05	1	62	2	52.33	20	20	16	*i* 30.33	7.5
Chromedale	38.47	46.70	39.50	41.56	1	67	1	57.67	14	28	14	32.00	6.1
Easton	33 43	42.22	35.42	37.02	1	63	1	50.67	16	22	28	*a* 29.50	7.5
Fleming	34.86	41.53	36.50	37.63	1	58	2	50.33	20	19	14	28.67	8.5
Gettysburg	33.43	42.83	36.47	37.58	1	63	1	*j*51.67	20	17	16	28.67	6.7
Harrisburg, [Heisely]	39.20	44.93	41.64	41.92	1	62	1	55.33	16	29	16	*f* 34.33	7.1
Harrisburg, [Hickok]	37.00	43.53	39.93	40.15	1	61	2	52.33	20	26	16	32.67	7.8
Lewisburg	34.54	41.53	36.55	37.54	1	59	2	50.33	20	19	14	29.03	8.1
Linden	32.46	37.86	34.12	34.81	5	*k* 49	5	46.67	20	21	28	28.80	8.2
Morrisville	33.93	43.80	36.33	38.02	1	68	1	56.00	16	20	16	28.33	5.2
Mount Joy	37.07	47.18	39.93	41.39	24	67	1	53.50	16	24	16	30.50	6 2
Murrysville	33.67	39.83	34.60	36.03	1	60	2	53.00	20	11	20	26.33	8.6
Norristown	36.39	43.21	38.35	39.32	1	56	1	51 33	16	25	16	25.90	6.5
North Whitehall (*l*)	33.53	42.20	38.87	38.20	1	64	1	53.00	20	22	16	29.67	....
Paradise	.....	.....	.....	36.00	....	.....	....	.....	....	.....	....	.....	....
Philadelphia	38.52	46.23	41.90	42.22	1	66	1	58 00	26	16	29	33.00	5.8
Pittsburg, [Martin]	36.30	41.43	37.50	38.41	2	59	2	56.00	20	19	20	28.67	8.3
Pocopson	36.33	44.57	38.90	39.93	1	65	1	53.00	20	22	16	30.33	6.4
Shamokin (*m*)	32.23	39.83	36.70	36.25	1	58	2	49.33	20	10	14	28.67	7.1
Somerset	31.73	39.00	33.33	34.69	1	58	2	47.67	20	15	20	26.00	9.0
Tarentum	35.33	42.57	37.17	38.36	1	61	2	54.67	20	11	19	28.00	8.8
West Haverford	36.53	45.37	.....	41.45	1	60	1	56.00	16	24	16	30.00	6.6
Westtown	35.15	42.57	37.46	38.39	1	62	1	54.17	20	22	16	29.17	6.9
DELAWARE—													
Georgetown (*n*)	40.67	48.10	44.53	44.43	1	68	1	62.33	20	26	16	33.00	....
MARYLAND—													
Annapolis	37.98	46.73	43.40	42.70	1	63	2	57.67	20	22	16	33.16	6.5
Baltimore	38.95	45.97	41.93	42.28	1	62	1	56.33	20	26	16	32.16	6.8
Bladensburg	32.00	44.94	35.79	37.58	7	54	....	?	20	20	....	?	6.8
Chestertown	37.93	45.10	39.93	40.99	1	65	1	*j*55.33	16	25	16	30.83	6.6
Frederick	37.34	43.98	38.78	40.03	1	61	1	*j*53.50	16	24	16	31.50	6.9
Leitersburg	33.45	43.73	36.57	37.92	1	64	2	54.33	20	15	16	28.00	6.7
Leonardtown (*o*)	37.04	44.83	39.26	40.38	8	54	....	?	21	26	17	34.33	5.7
Sykesville	36.13	45.63	39.00	40.25	1	68	1	57.00	16	19	16	30.33	6.0
DISTRICT OF COLUMBIA—													
Washington (*p*)	36.17	46.48	41.83	41.49	1	65	....	?	20	27	16	33.33	6.3

a Same temperature on the 29th.
b Same temperature on the 5th.
c Observations interrupted from the 18th to the 25th of the month.
d Observations taken at 7 a. m. and 6 p. m.
e For the last 16 days of the month.
f Same temperature on the 28th.
g Same temperature on the 3d.
h Same temperature on the 16th.
i Same temperature on the 20th.
j Same temperature on the 2d.
k Same temperature on the 8th.
l Observations taken at sunrise, noon, and sunset.
m Observations taken also in the night. Mean, 25.73.
n Observations taken at 8 a. m., 1 p. m., and 6 p. m.
o For the last 23 days of the month.
p Observations at 7 a. m. wanting for the first seven days of the month.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
VIRGINIA—	°	°	°	°		°		°		°		°	
Crichton's Store (*a*)	43.43	51.77	49.95	48.38	3	71	----	?	20	30	----	?	5.2
Cross Creek	31.32	39.86	32.83	34.67	1	61	4	48.67	20	10	19	24.67	----
Hartwood	40.20	50.43	41.23	43.95	1	68	1	62.00	20	20	17	32.00	----
Kanawha	37.50	45.18	40.04	40.91	2	65	----	?	17	22	16	29.33	8.2
Lewinsville	39.97	46.13	41.13	42.41	1	66	2	57.16	16	28	15	*b* 33.00	5.9
Lewisburg	35.70	46.43	37.40	39.84	2	65	2	59.67	16	22	20	27.33	6.6
Meadow Dale	30.17	38.17	34.67	34.34	1	58	2	50.00	20	10	16	20.00	----
Montross	39.40	47.27	41.07	42.58	1	66	3	59.67	20	22	20	32.00	6.3
Point Pleasant	36.07	42.87	36.13	38.36	1	69	2	60.67	17	18	16	24.67	7.8
Poplar Grove	36.97	46.30	40.03	41.10	2	66	2	55.67	16	21	18	31.00	8.3
Portsmouth	42.17	52.23	43.10	45.83	3	73	3	66.33	17	*c* 26	17	30.67	4.6
Rougemont (*d*)	32.94	46.13	37.94	39.00	18	52	9	45.00	16	*e* 25	16	30.33	5.7
Smithfield (*f*)	37.28	47.26	40.17	41.57	28	56	28	50.67	17	25	16	*e* 32.20	6.0
Stribling Springs	28.30	42.13	30.66	33.70	6	65	2	47.33	20	6	19	19.67	7.6
Winchester	37.00	45.97	39.17	40.71	1	64	2	55.33	20	22	16	31.33	5.6
Wirt Court-House	35.13	41.57	36.23	37.64	2	*g* 60	2	56.00	17	15	16	25.00	8.6
NORTH CAROLINA—													
Chapel Hill	40.52	53.93	43.34	45.93	3	68	2	62.00	17	26	20	35.33	6.1
Davidson College	37.89	51.54	41.88	43.77	2	70	2	63.33	17	21	20	32.00	4.9
Gaston	40.23	51.97	40.03	44.08	3	73	2	65.33	27	23	16	32.00	----
Goldsborough	42.85	54.02	45.67	47.51	3	72	2	67.10	17	24	16	32.90	5.6
Murfreesborough	41.80	51.72	44.45	45.99	3	72	2	65.67	17	27	16	33.67	5.3
SOUTH CAROLINA—													
Aiken	39.55	53.48	42.36	44.13	2	70	1	*h* 63.00	17	26	26	33.33	5.4
All Saints	44.37	55.43	47.87	49.22	2	76	2	71.33	17	28	17	35.67	4.4
Charleston, [Dawson]	49.30	57.23	52.90	53.14	----	76	----	-------	----	25	----	-------	----
Charleston, [Johnson]	49.30	57.23	52.90	53.14	2	76	2	72.33	17	35	17	41.33	----
Columbia	40.47	55.80	46.60	47.62	3	78	2	68.00	17	25	17	35.33	4.0
St. John's	45.00	55.07	44.76	48.28	2	75	2?	?	18	24	17	34.33	5.5
GEORGIA—													
Savannah	47.50	58.00	52.40	52.63	2	80	2	72.53	25	34	17	42.77	5.0
Sparta	40.80	54.50	44.90	46.73	1	*h* 70	1	64.67	18	28	17	37.67	4.9
Whitemarsh Island	49.23	58.63	52.50	53.45	2	79	2	72.67	17	35	17	43.00	5.1
FLORIDA—													
Alachua County (*i*)	52.23	61.40	55.53	56.39	22	75	----	?	10	37	25	46.67	3.5
Alligator	48.57	64.47	54.37	55.80	1	*h* 82	1	73.33	25	32	24	43.33	4.5
Atsena	55.07	60.77	58.79	58.21	1	76	2	73.67	10	*j* 42	9	48.67	4.3
Belair	46.90	62.27	53.90	54.36	1	*k* 74	1	68.67	25	30	24	*j* 44.33	4.6
Jacksonville	54.20	62.77	55.83	57.60	2	79	1	73.00	27	38	25	44.33	7.0
Micanopy	51.52	67.30	54.00	57.60	2	81	2	73.50	25	*l* 32	----	?	4.9
Salt Ponds	71.22	75.87	-------	73.54	1	*h* 86	1	*h* 82.50	10	60	25	*m* 63.00	5.0
ALABAMA—													
Carlowville	38.73	53.80	44.37	45.63	1	76	1	65.00	11	*n* 32	17	35.67	3.4
Greene Springs	38.96	51.52	41.93	44.14	1	71	1	63.67	17	24	17	35.83	5.6
Greensborough	40.39	50.12	43.92	44.81	1	72	1	65.00	17	27	----	?	5.7
Montgomery	39.93	56.47	47.20	47.87	1	78	1	69.67	25	28	24	38.33	5.2
Selma	41.53	53.50	47.50	47.51	1	70	1	65.33	25	30	24	39.67	5.3
MISSISSIPPI—													
Columbus	39.15	50.84	43.76	44.58	1	79	1	61.57	25	25	24	36.87	5.8
Natchez	41.13	55.97	47.96	48.35	1	*o* 70	28	65.67	17	29	9	38.00	4.8
Paulding	42.73	54.05	47.74	48.17	1	77	1	66.83	19	32	24	41.00	5.5
LOUISIANA—													
Black River	41.00	56.10	46.50	47.87	28	74	28	68.67	17	29	9	37.33	5.1
New Orleans (*p*)	54.07	58.57	60.23	57.62	1	77	1	73.00	10	45	16	48.67	----

a Observations taken at 9 a. m., noon, and 4 p. m.
b Same temperature on the 16th.
c Same temperature on the 18th.
d Observations interrupted from the 1st to the 8th, and from the 20th to the 23d, both inclusive.
e Same temperature on the 17th.
f For the last 19 days of the month.
g Same temperature on the 3d.
h Same temperature on the 2d.
i Observations taken at 6 a. m., 2 p. m., and 9 p. m.
j Same temperature on the 25th.
k Same temperature on the 22d.
l Same temperature on the 26th and 27th.
m Same temperature on the 26th.
n Same temperature on the 12th, 14th, and 17th.
o Same temperature on the 27th and 28th.
p Observations taken at 9 a. m., noon, and 3 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TEXAS—	°	°	°	°		°		°		°		°	
Austin, [Palm]	45.43	61.50	49.10	52.01	27	76	27	68.00	20	30	16	41.67	3.8
Austin, [Van Nostrand]	43.75	62.14	49.49	51.79	12	75	26	66.75	9	27	20	41.41	4.5
Goliad (*a*)	55.63	62.67	56.90	58.40	14	78	27	69.67	16	34	16	*b* 45.00	6.2
Larissa	42.10	55.33	48.28	48.57	27	72	27	65.83	16	*c* 29	16	39.33	3.7
New Braunfels	44.51	62.79	49.96	52.42	25	77	27	67.75	20	27	16	39.18	0.3
Union Hill	42.47	58.67	50.17	50.44	26	76	26	68.67	20	24	20	39.67	4.7
TENNESSEE—													
Glenwood	36.89	44.34	38.86	40.03	27	63	1	56.60	19	21	16	30.37	7.4
Memphis	39.03	48.03	42.50	43.19	1	63	1	58.00	19	35	16	34.33	6.5
KENTUCKY—													
Bardstown	35.07	43.12	37.96	38.72	27	58	1	52.50	17	*d* 16	16	24.00	7.8
Danville	38.87	48.00	42.00	42.96	1	66	1	58.33	16	21	16	31.00	6.9
Louisville (*e*)	37.43	43.67	39.17	40.09	1	57	1	53.33	15	*f* 24	15	29.33	7.9
Paris	35.93	42.32	37.73	38.66	2	57	2	52.33	16	*g* 18	19	26.00	8.0
Springdale (*h*)	34.72	42.93	39.72	39.12	2	54	1	*i* 52.17	16	15	19	27.67	8.3
OHIO—													
Avon	36.05	39.53	36.94	37.51	1	58	3	52.16	20	22	19	29.00	9.3
Bellefontaine	34.92	40.55	33.89	36.45	2	56	4	50.50	30	19	20	24.90	6.8
Bowling Green	33.69	41.50	35.17	36.79	1	58	1	53.50	20	17	15	24.80	8.2
Cincinnati, [Harper]	38.63	48.07	40.70	42.47	26	*j* 62	1	57.33	16	24	20	33.00	8.0
Cleveland	34.78	39.20	36.22	36.73	1	*k* 57	3	51.67	20	18	19	27.50	9.4
Cleveland, (near)				40.00									
College Hill	35.23	40.50	35.30	37.01	2	59	28	58.33	16	20	19	25.00	7.3
Collingwood	34.87	39.27	35.87	36.67	1	58	1	54.67	20	18	16	26.00	
Dayton	35.46	42.27	36 62	38.12	1	59.4	1	54.27	19?	23	19	27.21	8.7
Edgington	31.03	38.17	32.67	33.96	2	52	2	49.33	15	*g* 8	15	12.67	8.3
Edinburg	34.47	39.37	35.50	36.45	3	58	1	51.67	20	12	20	26.00	9.3
Hillsborough	33.30	37.95	35.07	35.44	1	57	1	53.00	16	17	19	25.00	7.5
Hiram	33.23	37.13	33.50	34.62	1	59	1	50.33	20	20	15	25.00	9.2
Hudson	34.25	38.93	35.16	36.11	3	57	3	52.00	20	19	19	26.20	9.0
Jackson, (Monroe county)	34.62?	42.96	37.35	38.31	2	62		?	17	21		?	8.6
Jefferson	37.59	40.21	37.38	38.39	1	*l* 46	2	45.33	13	*m* 30	23	*n* 32.67	?1.0
Lancaster	32.88	39.60	34.33	35.60	1	59	1	52.53	16	19	16	24.97	8.0
Madison, [Atkins]	35.53	38.63	36.30	36.82	1	*k* 54	3	52.00	20	20	20	29.00	9.0
Madison, [King]	35.30	39.57	35.17	36.68	3	55	3	51.00	20	22	15	29.67	9.1
Montville	33.82	37.87	34.78	35.49	3	55	1	50.50	20	19	19	22.67	8.5
New Lisbon	37.47	46.57	39.70	41.25	3	66	3	58.67	20	8	20	28.00	7.3
Northwood													8.5
Ripley (*o*)	36.00	38.59	38.00	37.53		?		?	16	20		?	?
Savannah	32.53	40.47	34.00	35.67	1	60	1	53.00	20	15	19	24.33	9.1
Urbana	32.43	41.33	32.27	35.34	2	59	1	54.33	17	13	30	24.00	8.5
Welchfield	32.53	39.00	32.90	34.81	1	*k* 60	3	52.33	20	16	19	24.67	8.1
Westerville	34.05	40.29	36.22	36.85	2	60	1	55.00	16	18	15	26.17	8.5
Windham	33.60	38.03	34.63	35.42	1	56	3	51.67	20	16	19	25.33	
MICHIGAN—													
Battle Creek	32.33	40.30	34.63	35 75	4	56	2	51.33	29	11	30	24.00	7.6
Cooper	34.67	36.87	34.57	35.37	8	48	8	44.67	28	24	28	25.33	6.3
Detroit	34.17	42.22	35.63	37.34	2	60	2	55.00	30	20	16	26.33	7.0
Grand Rapids, [Streng]	31.70	39.30	34.40	35.13	1	*k* 51	3	48.67	14	20	30	25.67	8.0
Lansing (*p*)													6.8
Marquette	28.48	34.92	29.72	31.04	2	44	2	42.20	10	*q* 15	30	17.13	7.6
Monroe													8.8
New Buffalo (*r*)	33.77	40.12	33.63	35.84	1	*i* 53	2	49.33	16	*g* 18	15	27.00	9.2
Ottawa Point (*s*)	34.60	37.63	36.40	35.86	3	53	3	*t* 51.50	30	22	30	23.75	7.8

a Observations interrupted from the 4th to the 12th of the month.
b Same temperature on the 20th.
c Same temperature on the 9th.
d Same temperature on the 18th and 19th.
e Observations taken at 7 a. m., 3 p. m., and 9 p. m.
f Same temperature on the 16th and 18th.
g Same temperature on the 19th.
h Observations taken at 7 a. m., 2 p. m., and 5 p. m.
i Same temperature on the 2d.
j Same temperature on the 30th.
k Same temperature on the 3d.
l Same temperature on the 2d, 3d, 5th, and 8th.
m Same temperature on the 28th.
n Same temperature on the 27th, 28th, 29th, and 30th.
o Incomplete.
p Observations taken at 7 a. m., 2 p. m., and 8 p. m.
q Same temperature on the 15th.
r Observations taken at 7 a. m., 1 p. m., and 9 p. m.
s Observations taken at 6 and 9 a. m., and 3 and 9 p. m. Mean at 9 a. m., 31.73.
t Same temperature on the 4th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	○	○	○	○		○		○		○		○	
Port Huron	34.85	41.60	38.05	38.17	3	58	3	54.67	17	18	13	29.00	8.0
Thunder Bay Island (*a*)	32.68	35.25	34.20	34.01	4	48	4	46.62	30	21	30	21.87	8.1
INDIANA—													
Cannelton	38.29	43.19	38.63	40.04	1	58	1	53.90	19	24	18	30.00	7.7
Logansport	34.30	40.20	36.13	36.88	1	54	2	51.33	19	21	18	26.33	8.0
Madison	35.55	39.77	36.42	37.25	1	*b* 54	2	51.33	16	*c* 21	19	25.33	8.5
New Harmony	37.00	42.20	38.20	39.13	27	55	1	52.00	19	22	19	28.33	8.2
Notre Dame	41.88	46.02	43.26	43.72	4	62	4	55.50	15	27	15	32.16	9.0
Richmond, [Austin] (*d*)	33.67	41.04	.....	37.35	2	57	2	53.50	17	20	29	27.50	8.9
Richmond, [Moore]	34.77	39.36	36.92	37.02	2	56	1	*b*52.20	17	21	16	24.80	8.3
ILLINOIS—													
Athens	31.17	40.20	33.57	34.98	2	55	2	48.67	19	7	15	*c* 20.33	8.2
Augusta	31.13	37.77	33.96	34.29	27	52	2	47.33	15	11	18	18.33	7.6
Aurora	31.83	39.53	35.27	35.54	1	54	2	50.33	19	8	19	20.67	8.0
Batavia, [Capon]	30.03	37.70	31.43	33.05	1	52	2	48.33	19	7	19	17.00	8.3
Batavia, [Mead]	28.62	36.06	29.73	31.47	1	52	1	47.67	19	6	19	16.67	8.0
Brighton	30.23	51.07	42.10	41.13	5	79	4	*e* 65.00	16	13	16	25.00	8.8
Carthage (*f*)	31.33	38.17	35.33	35.28	2	49	2	47.00	18	10	18	16.33	.....
Edgington	31.03	38.17	32.67	33.96	2	52	2	49.33	19	8	15	12.67	8.3
Elgin	30.43	36.60	31.37	32.80	2	53	2	48.67	19	7	19	18.67	8.5
Jacksonville (*g*)	33.33	40.87	36.80	37.00	2	*h* 55	27	50.11	19	11	19	22.11	.....
Manchester (*i*)	30.97	39.50	33.37	34.61	27	54	27	49.67	19	10	15	*j* 21.00	7.8
Marengo	30.20	38.43	30.60	33.08	1	54	2	49.33	19	4	19	14.00	8.2
Ottawa	30.78	37.13	32.89	33.60	1	51	1	47.67	15	*c* 11	15	20.00	7.5
Pekin	30.70	39.00	33.56	34.42	2	52	1	*b*47.00	19	7	15	17.00	8.1
Peoria	33.89	39.72	35.26	36.29	1	54	1	*b*50.00	19	11	15	21.50	8.1
Riley	30.26	37.17	30.33	32.59	1	*k* 48	2	47.00	19	0	19	11.33	8.0
South Pass	34.23	42.77	36.03	37.68	27	*l* 57	1	53.00	19	15	18	*c* 27.67	7.3
Upper Alton	32.62	40.93	35 37	36.30	2	*h* 54	27	51.67	19	12	19	23.00	7.5
Waynesville	30.13	36.47	34.73	33.78	1	50	1	47.67	19	7	19	20 33	8.5
West Salem	34.73	42.03	35.97	37.58	27	60	27	52.33	19	16	19	22.33	7.9
West Urbana	33.50	39.17	35.10	35.92	28	59	2	51.33	15	13	15	21.33	8.2
Wheaton	30.65	36.38	31.87	32.97	1	*b* 51	2	49.73	19	9	19	18.83	8.3
Winnebago	29.66	35.63	30.57	31.95	2	51	2	49.33	16	2	15	15.33	7.9
MISSOURI—													
St. Louis	34.70	41.00	37.08	37.59	28	57	28	52.83	19	17	19	25.00	.....
WISCONSIN—													
Appleton	29.23	36.10	31.50	32.28	2	*m* 47	1	*m*45 00	19	10	19	18.33	7.0
Bay City	24.33	31.03	26.00	27.12	1	42	1	39.33	16	6	30	15.33	6.2
Bayfield	25.80	32.26	27.83	28.63	6	48	1	40.33	30	10	18	15.33	7.0
Beloit	29.33	38.53	30.13	32.66	2	50	2	48.00	1	— 1	19	11.33	7.5
Green Bay	30.73	37.27	33.43	33.81	1	46	1	44.67	19	12	19	22.67	7.2
Janesville	30.67	36.83	32.37	33.29	1	50	1	47.67	16	8	19	15.67	8.5
Kenosha	33.00	38.26	35.17	35.48	3	52	1	49.33	19	9.5	19	?	7.3
Madison, [Sterling]	30.10	34.10	31.00	31.73	3	49	3	45.67	19	7	19	14.00	7.8
Manitowoc	31.50	39.83	34.93	35.42	4	52	3	48.67	19	14	19	23.33	7.7
Milwaukee, [Pomeroy]	33.67	41.03	34.47	36.39	4	56	4	50.67	19	11	19	20.00	8.5
Milwaukee, [Winkler]	31.45	36.93	32.41	33.60	3	50	2	46.33	19	10	19	18.33	7.4
Platteville	28.33	37.57	30.00	31.97	1	50	4	46.00	19	— 1	19	12.33	7.8
Warsaw	23.57	37.73	32.70	31.33	1	*n* 45	1	40.67	14	— 2	14	18.00	3.2
Waukesha	31.27	36.23	33.13	33.54	3	52	2	*m*47 33	20	10	16	17.67	7.4
IOWA—													
Bellevue	28.60	36.86	30.10	31.85	2	51	2	47.67	19	4	19	14.00	7.9
Border Plains	26.07	35.50	28.80	30 12	1	47	1	42.33	19	0	19	14.67	7.7
Dubuque	30.10	36.07	32.53	32.90	2	49	2	46.33	19	5	19	15.33	7.3

a Observations taken at 6 and 9 a. m. and 3 and 9 a. m. Mean at 9 a. m., 33.92.
b Same temperature on the 2d.
c Same temperature on the 19th.
d Observations taken at 6 a. m. and 1 p. m.
e Same temperature on the 5th.
f Observations taken at 7 a. m., 1 p. m., and 7 p. m.
g Observations taken morn, 1 p. m. and 6 p. m.
h Same temperature on the 27th.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 18th.
k Same temperature on the 2d and 4th.
l Same temperature on the 28th.
m Same temperature on the 3d.
n Same temperature on the 9th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
IOWA—Continued.													
Fairfield	28.93	35.86	31.57	32.12	1	47	1	45.33	15	5	18	11.67	8.2
Fort Madison (*a*)	30.36	37.60	33.76	33.90	2	48	2	46.33	15	6	18	14.33	7.7
Iowa City	28.30	35.50	29.77	31.19	1	47	1	44 67	16	*b* 4	18	9.00	8.1
Muscatine	29.67	36.53	31.53	32.58	2	52	2	47.33	19	4	18	11.33	7.2
Pleasant Plain	28.37	36.03	31.53	31.98	1	48	2	46.00	19	2	18	11.00	7.5
Rossville	26.17	32.50	28.23	28.97	1	46	1	43.40	19	1	18	10.60	7.8
Sioux City	24.64	32.06	25.40	27.37	1	49	----	?	15	0	----	?	?7.2
MINNESOTA—													
Beaver Bay (*c*)	23.70	30.86	27.50	27.35	10	*d* 41	22	39.67	30	5	30	13 67	6.8
Burlington	23.20	33.20	26.30	27.57	5	48	1	40.00	14	— 1	30	13.67	5.9
Forest City	21.00	31.00	24.23	25.41	1	47	1	42.67	15	— 4 *e*	18	7.67	2.8
Hazlewood	24.74	29.32	25.34	26.47	1	43	1	42.00	15	— 5	18	?	6.8
Lapham (*f*)	22.27	-------	28.10	25.18	1	*g* 45	3	42.50	15	— 7	15	2.67	----
Princeton	23.20	32.50	25.93	27.21	1	44	1	40.00	19	0	18	8.00	6.8
Stillwater	24.40	33.13	27.50	28 34	1	47	1	42.00	19	1	18	13.00	7.5
NEBRASKA—													
Bellevue	28.73	35.60	30.63	31.65	1	50	1	43.67	15	6	18	16.00	6.5
Brownville	28.43	38.53	31.13	32.70	26	58	1	46.33	18	7	15	16.33	7.3
Elkham	25.03	33.57	26.87	28.49	1	51	1	42.33	15	3	18	13.33	7.4
KANSAS—													
Burlingame	30.93	39.43	32.90	34.42	25	49	27	45.67	15	14	18	22.00	6.1
Lawrence	30.77	40.30	33.13	34.73	27	54	27	49.00	18	14	18	21.33	6.9
Leavenworth City, [Berthoud]	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	7.8
Leavenworth City, [McCarty]	30.23	37.60	33.03	33.62	27	56	27	49.00	18	12	12	18.67	7.2
Manhattan	30.00	41.43	31.90	34.44	27	58	26	47.33	15	11	17	21.00	6.8
UTAH—													
Great Salt Lake City (*h*)	31.00	44.00	37.00	37.75	----	------	----	-------	----	-------	----	-------	----
MEXICO—													
Cordova (*i*)	65.23	68.18	65.70	66.67	21	77.36	----	-------	16	60.80	----	-------	----
Minatitlan (*j*)	68.93	75.37	-------	72.15	21	83	1	78.50	25	*k* 64	9	66.50	----
Mirador (*l*)	60.51	68.54	62.51	63.85	----	------	----	73.09	----	-------	----	56.71	----
Vera Cruz (*m*)	74.25	-------	72.23	73.24	----	------	----	-------	----	-------	----	-------	----
CALIFORNIA—													
Marysville	49.40	63.03	55.23	55.88	8	69	8	60.33	28	40	28	48.33	2.7
Sacramento	48.50	60.17	54.03	54.23	9	66	1	58.67	29	39	28	46.00	2.6
San Francisco	52.97	60.87	55.10	56.31	8	72	8	61.67	25	*n* 46	25	50.00	3.3
WEST INDIES—													
Centre Sig. Station, Ber. (*o*)	-------	-------	-------	69.04	2	*p* 74	----	-------	18	*b* 63	----	-------	----
Nassau, Bahamas (*q*)	-------	-------	-------	77.23	----	------	19	*r* 82.50	----	-------	25	69.00	----
Turk's Island, Bahamas (*s*)	78.43	81.50	79.20	79.71	3	*t* 84	3	*u* 82.00	28	72	27	74.33	----
CENTRAL AMERICA—													
Guatemala (*v*)	55.58	70.34	59.72	63.18	?	80.6	----	-------	?	48.4	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*w*)	75.00	85.40	80.10	80.17	2	91	9	82.67	20	72	24	76.33	5.4
Chanarcillo, Chili (*x*)	58.43	69.00	58.10	61.94	----	------	----	-------	----	-------	----	-------	----
EASTERN CONTINENT—													
Jerusalem, Palestine	62.95	72.80	66.21	67.32	5	80	11	74.00	14	*y* 52	14	55.83	1.3

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 19th.
c For the last 22 days of the month.
d Same temperature on the 22d.
e Same temperature on the 30th.
f Observations taken at sunrise and sunset.
g Same temperature on the 3d.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 39.00.
i Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 67.46; and at 6 p. m., 66.79.
j Observations taken at 7 a. m. and 3 p. m.
k Same temperature on the 26th.
l Observations taken at 7 a. m., 2 p. m., and 8 p. m.
m Observations taken at 7 to 9 a. m., and at 10 to 11 p. m.
n Same temperature on the 29th.
o Observations taken at noon for 23 days only.
p Same temperature on the 3d, 6th, and 10th.
q Mean obtained from daily maximum and minimum.
r Same temperature on the 20th.
s Observations taken at 6 a. m., noon, and 6 p. m.
t Same temperature on the 7th and 11th.
u Same temperature on the 7th.
v Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m., 62.06; mean at noon, 68.18.
w Observations taken at 6 a. m., 2 p. m., and 6 p. m.
x Observations taken at 6 a. m., noon, 6 p. m., and 10 p. m. Mean at 6 p. m., 62.22.
y Same temperature on the 15th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG	WARMEST DAY.			LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	.....	.....	.....	−25.55	3	8	3	3.00	28	−49	28	−46.50	.....
Hamilton (*b*)	30.61	.....	31.23	30.92	14	50	14	47.00	9	14	9	16.00	.....
Montreal	13.90	20.10	17.08	17.03	14	42	14	38.80	30	−10	29	− 2.33	5.4
Moose Factory (*c*)	−12.23	2.68	−4.06	−4.54	.....	28	.....	.....	.....	−38	.....	.....	.....
Red River Settlement	−5.07	4.08	−3.37	1.45	18	*d* 25	28	22.33	16	−33	15	−20.33	4.1
Rigolet (*e*)	−1.94	.....	1.58	−0.18	23	32	23	31.00	30	−22	30	−21.50	.....
St. John's	21.52	24.84	21.39	22.58	15	39	15	37.00	21	8	20	12.33	6.1
St. Martin	6.64	19.45	12.66	12.92	16	38	14	33.63	30	−18	29	− 5.40	5.1
Stanbridge	12.06	20.77	16.90	16.58	14	41	14	38.33	30	−21	30	− 9.67	6.4
Toronto (*f*)	27.12	29.29	26.47	27.63	14	44	14	40.63	24	6	24	11.27	8.3
Windsor	19.35	25.17	22.40	22.31	22	43	15	36.50	13	0	18	9.00	7.6
Wolfville	19.84	25.65	21.87	22.45	27	44	15	36.80	13	3	18	6.83	7.9
MAINE—													
Cornish, [Guptill]	17.93	26.00	21.64	21.86	15	42	15	39.67	30	− 2	30	4.67	5.5
Cornish, [West]	14.32	22.58	19.03	18.64	15	40	15	37.67	19	*g*− 6	30	− 0.67	5.3
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.0
Gardiner	11.10	22.26	17.06	16.81	6	39	15	33.67	26	−13	30	− 7.00	5.0
Perry	14.55	22.37	19.29	18.74	8	*h* 39	15	37.00	30	− 8	30	− 2.67	4.3
Portland	18.45	25.89	22.65	22.33	6	*h* 39	15	37.00	30	− 1	18	9.83	5.9
Steuben	15.61	24.58	20.84	20.34	8	40	15	37.33	30	− 7	30	− 0.67	4.8
NEW HAMPSHIRE—													
Shelburne	12.90	25.16	18.55	18.87	3	48	15	39.33	30	−18	30	− 1.33	6.0
Stratford	10.26	21.13	14.39	15.26	14	40	14	37.67	30	−18	24	− 2.00	5.6
West Enfield	15.30	22.40	19.07	18.92	14	*h* 42	15	39.33	19	− 8	18	− 2.00	6.1
VERMONT—													
Brandon	17.29	25.43	20.35	21.02	15	42	14	38.16	25	−11	25	0.33	6.2
Burlington	17.15	22.97	19.93	20.02	14	42	14	39.00	30	−11	18	*i* 0.00	?
Craftsbury	12.16	21.32	15.68	16.39	14	*h* 40	14	37.00	30	−15	18	− 2.00	5.8
Rupert	20.39	28.71	25.68	24.93	14	*h* 44	15	40.67	25	− 4	25	6.00	6.2
St. Johnsbury	9.29	20.74	14.39	14.81	8	*j* 38	14	*h*35.37	30	−25	25	−10.00	5.6
MASSACHUSETTS—													
Amherst	22.37	29.17	25.70	25.75	15	43	15	40.30	26	0	25	9.30	5.6
Bridgewater (*k*)	26.61	34.77	30.42	30.60	15	56	15	52.33	26	9	18	17.00	5.8
Cambridge	24.77	33.06	27.77	28.53	15	57	15	50.33	18	*l* 9	18	12.0	5.6
Danvers (*m*)	24.43	33.52	28.61	28.85	15	50	15	46.00	18	*n* 8	30	11.33	6.3
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.0
Lawrence	21.23	29.51	25.90	25.55	15	45	15	43.00	19	1	30	8.33	5.6
Mendon	23.32	30.75	27.23	27.10	14	53	15	50.67	25	6	18	11.33	6.2
Nantucket	35.00	39.50	38.30	37.60	15	54	15	51.50	11	22	25	27.00	5.9
New Bedford	28.80	36.20	32.50	32.50	15	51	15	51.26	25	7.5	25	16.70	6.5
Richmond	21.97	29.13	24.39	25.16	15	45	15	38.33	24	− 2	24	2.67	6.9
Westfield	21.81	29.03	25.90	25.58	15	*o* 42	15	39.67	26	− 3	25	10.33	6.6
Williamstown	21.26	26.68	22.81	23.58	15	45	15	41.33	25	− 3	25	1.33	6.7
Worcester	25.03	32.45	28.48	28.65	15	52	15	48.67	18	85	18	12.00	5.9
RHODE ISLAND—													
Providence (*p*)	28.30	36.40	31.50	32.07	15	58	15	55.00	25	12	18	16.33	5.7
CONNECTICUT—													
Columbia	27.71	34.03	27.87	29.87	14	52	16	49.33	18	*q* 8	18	14.00	6.0
Middletown	24.82	33.59	28.14	28.85	15	53	15	50.90	26	3	25	13.70	5.4
Pomfret	23.43	30.27	27.07	26.92	15	52	15	48.80	19	6	18	10.60	5.8
Saybrook	28.90	35.23	31.39	31.84	14	*h* 49	15	47.00	18	12	18	17.33	5.9
Wallingford	23 92	33.69	27.35	28.32	15	51	15	49.67	26	4.5	18	15.50	5.3
NEW YORK—													
Bellport	32.23	38.15	34.10	31.82	14	*h* 50	15	49.33	18	14	18	19.67	5.7

a Register thermometer.
b Observations taken at 9 a. m. and 9 p. m.
c Observations taken at sunrise, 2 p. m., and 10 p. m.
d Same temperature on the 28th.
e Observations taken at sunrise and sunset.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 30th.
h Same temperature on the 15th.
i Same temperature on the 29th.
j Same temperature on the 14th.
k Observations taken at 7 a. m., 2 p. m., and 7 p. m.
l Same temperature on the 19th, 25th, and 26th.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Same temperature on the 19th.
o Same temperature on the 20th.
p Observations taken at sunrise, 1 p. m., and 10 p. m.
q Same temperature on the 25th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	32.45	34.87	33.10	33.47	14	51	14	49.00	25	16	9	18.33	7.5
Clinton	23.51	30.32	25.96	26.50	15	43	14	40.33	25	2	18	9.33	8.2
Fishkill Landing	25.68	32.90	28.55	29.04	15	48	15	46.00	25	8	25	12.00	6.3
Flatbush	30.28	36.49	32.68	33.15	15	54	15	52.40	19	14	18	19.20	6.1
Fort Edward	17.00	25.03	21.58	21.20	15	*b* 51	15	37.33	25	12	25	— 1.33	6.8
Houseville	19.00	26.69	20.41	22.03	15	45	15	40.33	25	— 8	19	— 1.00	7.1
Nichols	27.39	34.65	29.15	30.40	15	43	14	46.33	18	8	18	15.33	7.9
Rochester	27.81	32.87	30.13	30.27	14	54	14	48.60	18	12	18	15.33	8.5
Sag Harbor	31.94	39.65	35.71	35.76	14	*c* 55	14	53.33	18	*d* 17	18	20.00	6.0
Waterford	20.82	28.08	23.94	24.28	27	44	15	38.00	26	— 3	25	3.67	6.8
NEW JERSEY—													
Freehold	32.13	37.39	36.74	35.42	15	67	15	59.67	10	15	10	25.67	----
Lambertville	28.77	38.42	33.85	33.68	15	56	----	----	19	10	----	----	----
Newark (*e*)	-------	-------	-------	32.85	15	55	15	49.13	19	11	19	20.13	----
PENNSYLVANIA—													
Bellefonte	31.81	39.06	34.35	35.07	15	55	15	49.33	25	*d* 16	18	23.67	7.2
Berwick	30.25	37.00	32.22	33.16	15	54	15	48.67	25	15	9	22.00	5.7
Cannonsburg	35.87	42.26	39.54	39.22	5	59	5	53.33	9	14	9	18.67	7.9
Carlisle (*f*)	32.29	38.07	34.37	31.91	15	56	15	50.00	10	15	10	22.33	6.9
Chambersburg	32.45	38.29	34.55	35.10	15	52	15	47.00	10	15	9	21.33	7.1
Chromedale	33.81	40.90	36.29	37.00	15	56	14	55.33	10	17	10	23.67	5.9
Easton	27.73	35.47	29.84	31.01	15	52	15	48.67	10	9½	30	18.17	7.1
Fleming	28.90	37.32	31.42	32.55	15	54	15	56.00	25	10	25	18.33	6.8
Gettysburg	30.65	38.71	33.19	34.18	15	60	15	53.33	10	11	9	18.33	6.6
Harrisburg, [Heisely]	33.90	38.16	35.87	35.98	15	54	15	51.00	10	21	9	25.33	7.0
Harrisburg, [Hickok]	32.57	37.81	34.50	35.00	15	56	15	52.33	10	18	9	22.67	6.3
Lewisburg	28.75	35.77	31.15	31.89	15	55	15	47.37	26	14	25	20.23	7.1
Morrisville	29.87	38.16	33.45	33.83	14	60	15	*d* 54.33	19	12	10	*g* 22.67	5.8
Mount Joy	32.60	39.35	34.82	35.59	15	57	15	54.00	10	15	10	20.83	6.4
Murrysville	32.20	41.10	35.06	36.12	5	62	----	?	10	6	9	16.33	7.2
Norristown	32.79	38.07	34.46	35.11	14	64	15	53.33	10	17	10	23.67	6.6
North Whitehall (*h*)	27.65	36.23	33.32	32.40	15	52	15	48.67	10	12	30	21.33	----
Paradise	-------	-------	-------	28.00	----	----	----	----	----	----	----	----	----
Philadelphia	34.50	40.97	37.47	37.65	15	57	15	56.33	19	19	10	26.00	7.0
Pittsburg, [Martin & Speer]	34.87	41.29	37.48	37.88	5	62	5	56.33	10	14	9	19.67	6.7
Pocopson	31.71	39.48	34.58	35.26	14	61	15	54.33	10	*d* 15	10	23.00	6.7
Shamokin (*i*)	28.94	36.32	32.81	32.69	14	56	14	50.67	10	3	10	16.00	6.4
Somerset	31.90	40.06	35.13	35.70	5	62	5	55.67	10	8	9	12.67	8.2
Tarentum	32.70	41.52	37.06	37.09	5	62	5	*j* 56.00	10	8	9	18.00	7.3
West Haverford	33.48	41.03	-------	37.25	14	*c* 57	15	55.50	19	17	10	24.00	6.8
Westtown	31.56	38.44	34.23	34.74	14	63	14	53.50	10	*d* 15	10	22.00	6.4
DELAWARE—													
Georgetown (*k*)	38.77	46.77	43.55	43.03	14	66	14	63.67	10	20	9	27.33	----
MARYLAND—													
Annapolis	35.00	42.26	41.20	39.49	5	57	15	54.33	10	15	9	26.33	7.2
Baltimore	35.89	41.82	39.32	39.01	14	60	15	56.67	10	19	9	25.33	7.1
Bladensburg	31.97	44.58?	36.27	37.61	14	63	----	?	10	13	----	?	7.6
Chestertown	31.86	42.34	37.91	38.38	14	64	14	57.67	11	18	9	23.67	6.8
Frederick	33.98	39.64	36.20	36.61	14	56	15	52.00	10	19	9	24.13	6.9
Leitersburg	31.87	39.97	33.71	35.18	14	62	14	56.00	10	10	10	18.00	6.6
Leonardtown	37.29	45.81	40.13	41.08	14	69	14	62.67	10	*d* 19	10	25.00	6.6
Sykesville	33.42	43.06	35.71	37.40	15	62	15	55.67	10	14	9	20.67	6.2
DISTRICT OF COLUMBIA—													
Washington	36.81	43.10	39.81	39.91	14	62	14	*c* 55.33	10	19	10	26.00	7.0
VIRGINIA—													
Crichton's Store (*l*)	42.89	46.18	48.73	45.93	14	*c* 70	14	68.00	10	22	10	29.00	6.0
Cross Creek	31.29	42.84	33.97	36.03	5	62	14	53.67	10	0	9	12.00	----

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 27th.
c Same temperature on the 15th.
d Same temperature on the 26th.
e Observations taken at 7 a. m. and 6 p. m.
f For the first 24 days of the month.
g Same temperature on the 19th.
h Observations taken at sunrise, noon, and sunset.
i Observations taken also in the night. Mean, 21.81.
j Same temperature on the 14th.
k Observations taken at 8 a. m., 1 p. m., and 6 p. m.
l Observations taken at 9 a. m., noon, and 4 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Hartwood	38.48	46.52	40.71	41.90	14	66	14	62.00	10	16	10	25.67	....
Lewinsville	39.31	44.94	40.76	41.67	14	65	14	59.83	10	21	9	25.33	7.2
Lewisburg	25.97	44.39	33.55	34.64	22	55	6	44.00	10	10	9	24.67	4.6
Meadow Dale	31.16	43.06	38.45	37.56	5	60	5	56.00	10	8	9	17.33	....
Point Pleasant	36.32	45.68	37.48	39.83	15	62	14	59.33	10	15	10	24.00	7.1
Poplar Grove	38.41	51.19	42.41	44.00	4	*a* 66	13	61.00	10	15	9	22.00	7.0
Portsmouth	42.77	52.10	43.55	46.14	15	75	5	67.67	10	23	10	27.00	5.1
Rougemont	35.87	46.43	40.65	40.98	5	66	15	61.33	10	11	10	22.33	7.0
Smithfield	38.60	48.40	42.00	43.00	5	64	5	59.70	10	19	10	27.33	6.3
Stribling Springs	28.78	43.22	31.77	34.59	5	63	5	54.67	10	4	9	17.67	5.7
Winchester	35.45	44.45	36.48	38.79	5	62	14	*b*54.33	10	15	9	21.67	5.6
Wirt Court-House	36.03	45.68	39.03	40.25	5	64	5	60.67	10	12	9	20.00	6.8
NORTH CAROLINA—													
Chapel Hill	43.23	52.65	44.19	46.69	15	73	14	*b*68.00	10	21	10	27.00	6.6
Davidson College	40.83	50.71	43.00	44.85	15	65	....	?	10	22	....	?	6.8
Gaston	40.35	50.06	42.13	44.18	15	*c* 72	15	66.67	11	16	11	24.67	....
Goldsborough	45.55	55.41	47.71	49.56	15	74	14	69.30	10	25	10	30.10	6.7
Murfreesborough	42.94	51.45	45.87	46.75	15	73	15	68.33	10	22	10	28.33	6.1
SOUTH CAROLINA—													
Aiken	47.06	58.65	49.13	51.61	7	75	7	70.00	10	29	26	38.00	7.2
All Saints	50.16	59.68	53.23	54.36	8	*b* 74	16	70.33	10	31	25	39.67	6.3
Charleston, [Dawson]	54.64	60.77	57.90	57.77	....	71	....	.....	....	35	....	.....	....
Charleston, [Johnson]	54.65	60.77	57.90	57.77	6	71	15	68.00	10	35	25	44.67	....
Columbia	47.48	57.71	51.00	52.06	7	*d* 75	15	68.67	10	29	10	37.00	6.6
St. John's	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	7.2
GEORGIA—													
Savannah	53.90	63.00	57.50	58.13	8	75	14	70.00	10	36	25	47.97	6.3
Sparta	47.94	58.87	52.68	53.16	7	77	7	68.67	10	30	26	37.67	6.7
Thomson	47.84	55.91	58.94	54.23	5	80	14	68.50	23	30	26	35.50	....
Whitemarsh Island	53.90	62.03	56.55	57.49	8	74	8	*a*68.33	10	*e* 39	10	47.00	6.7
FLORIDA—													
Alachua County (*f*)	59.12	64.84	62.00	61.99	14	80	....	?	23	43	....	?	5.3
Alligator	55.58	69.70	60.00	61.76	13	82	13	73.00	23	38	1	*g* 51.33	6.4
Atsena	61.81	67.29	64.65	64.58	13	*a* 74	13	*b*70.67	22	49	22	59.00	5.4
Belair	54.46	67.03	61.72	61.07	8	82	8	73.33	23	38	23	47.67	6.2
Jacksonville	58.61	67.23	61.65	62.50	14	78	14	73.00	23	40	23	52.67	5.3
Micanopy (*f*)	59.96	71.81	62.21	64.66	6	*i* 81	....	?	21	40	....	?	6.2
St. Augustine	65.42	70.13	64.90	66.82	8	83	15	76.00	22	51	22	53.67	5.6
Salt Ponds	73.61	79.32	.....	76.47	8	*a* 84	14	81.00	22	64	22	66.00	3.5
ALABAMA—													
Carlowville	43.37	56.48	45.07	48.31	13	*j* 70	....	?	9	30	9	33.00	6.7
Greene Springs	47.67	57.61	49.78	51.69	14	78	14	71.33	10	24	9	33.33	6.9
Greensborough	48.46	58.95	57.54	54.98	14	78	....	?	10	26	9	34.83	6.9
Montgomery	49.03	61.55	52.81	54.46	7	73	6	*k*68.00	10	30	9	42.00	6.6
Selma	49.40	59.20	54.22	54.27	6	78	6	70.67	10	30	9	38.00	8.1
MISSISSIPPI—													
Columbus	45.69	55.72	48.58	50.00	4	74	4	68.17	10	25	9	32.17	7.0
Natchez	50.26	61.00	55.16	55.47	14	78	4	72.20	10	26	9	36.67	7.3
Paulding	50.58	61.38	55.10	55.69	14	80	14	73.33	10	28	9	36.17	6.9
LOUISIANA—													
New Orleans (*l*)	60.90	64.20	65.32	63.47	7	80	5	*k*77.00	10	44	10	48.33	....
TEXAS—													
Austin, [Palm]	46.90	57.39	49.39	51.23	12	*a* 72	13	65.67	8	25	3	26.33	7.0
Austin, [Van Nostrand]	45.63	57.78	50.42	51.28	12	*m* 71	13	65.33	9	22	8	30.25	7.2
Goliad	52.58	61.81	56.35	56.91	12	*n* 75	13	70.33	9	31	8	36.33	7.6
Larissa	45.12	52.79	50.07	49.33	13	72	13	69.00	8	22	8	28.33	6.9

a Same temperature on the 14th.
b Same temperature on the 15th.
c Same temperature on the 16th.
d Same temperature on the 8th.
e Same temperature on the 23d.
f Incomplete.
g Same temperature on the 22d.
h Same temperature on the 14th, 15th, and 16th.
i Same temperature on the 7th and 14th.
j Same temperature on the 14th and 17th.
k Same temperature on the 7th.
l Observations taken at 9 a. m., noon, and 3 p. m.
m Same temperature on the 18th.
n Same temperature on the 13th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
TEXAS—Continued.	○	○	○	○		○		○		○		○	
New Braunfels	45.65	58.94	49.85	51.48	2	77	13	63.50	9	24	3	29.83	0.9
Union Hill	46.16	57.55	49.39	51.03	13	75	12	67.00	9	22	8	27.33	6.1
Washington	48.67	59.30	51.29	53.09	13	77	13	74.67	8	25	3	29.00	7.7
TENNESSEE—													
Glenwood	40.74	49.86	43.62	44.74	14	70	14	62.80	9	17	9	22.93	7.0
Memphis	43.13	51.61	47.45	47.40	4	69	13	65.00	9	22	9	28.33	6.0
KENTUCKY—													
Bardstown	38.55	46.01	41.14	41.90	30	62	4	59.20	9	10	9	17.00	6.1
Danville	42.30	51.71	44.35	49.45	14	68	14	61.33	9	16	9	23.33	6.1
Louisville (*a*)	39.03	47.22	41.61	42.62	30	62	14	57.00	9	15	9	22.00	6.1
Paris	37.97	44.86	39.94	40.92	5	61	14	55.67	9	*b* 17	9	19.67	6.6
Springdale (*c*)	36.56	46.56	42.74	41.95	30	61	13	*d*56.33	9	9	9	19.50	6.3
OHIO—													
Avon	36.77	38.42	35.94	37.04	5	60	5	53.00	9	13	9	15.53	7.4
Bellefontaine	32.48	39.13	33.32	34.98	4	55	14	50.00	9	2	9	9.00	7.2
Bowling Green	33.91	40.50	34.30	36.24	13	59	30	47.33	9	11	8	16.20	7.3
Cincinnati, [Harper]	40.35	51.80	43.10	45.08	18	69	4	*e*57.33	9	17	9	29.00	6.3
Cleveland	33.10	38.55	33.48	35.04	5	58	14	50.33	9	13	9	14.67	8.2
Cleveland, (near)				41.00									
Collingwood	32.48	38.93	32.51	34.64	13	58	13	48.00	9	12	9	13.00	
Edinburg	33.71	39.35	35.35	36.14	5	57	4	52.00	9	12	9	18.33	7.2
Hillsborough	35.80	41.90	38.11	38.27	5	62	4	54.50	9	9.5	9	15.50	6.7
Hiram	32.32	37.32	33.22	34.29	14	53	14	50.33	9	12	9	14.00	8.2
Hudson (*f*)	33.45	38.49	35.19	35.71	5	59	14	51.13	10	11	9	16.20	7.5
Jackson, Monroe county	31.61	43.52	38.23	38.79	14	57		?	10	12		?	7.2
Jefferson	25.81	30.06	25.68	27.48	3	*g*38	3	*e*36.00	30	14	30	16.00	6.7
Lancaster	35.04	42.51	37.35	38.30	14	57	4	53.73	9	7	9	14.07	6.5
Madison, [Atkins]	34.20	38.80	34.18	35.73	5	57	13	49.33	25	10	25	25.00	8.2
Madison, [King]	32.90	38.03	33.52	34.82	5	*h*56	6	50.67	26	12	10	18.00	8.1
Montville	33.32	36.72	33.77	34.60	4	54	14	50.50	9	8	9	12.80	7.5
New Lisbon	35.81	47.00	38.87	40.56	5	65	14	59.67	10	5	9	19.33	6.0
Northwood													6.3
Ripley (*i*)	37.30	46.73	40.06	41.36	5	62	4	56.00	9	13	9	18.67	7.6
Savannah	34.03	40.32	34.42	36.26	5	63	13	55.33	9	8	9	13.33	7.8
Urbana	34.68	41.87	34.90	37.15	5	*j*57	13	53.67	9	5	9	13.33	7.3
Welchfield	31.61	38.03	32.29	33.98	5	58	14	50.67	9	11	9	13.00	7.5
Westerville	36.06	41.93	37.90	38.63	5	62	4	53.67	9	10	9	15.00	7.0
Windham	32.16	39.80	33.74	35.23	5	59	5	52.00	9	10	9	13.33	
MICHIGAN—													
Battle Creek	28.87	36.40	30.55	31.94	13	49	13	45.33	9	9	8	*k*15.00	7.6
Cooper	32.20	35.20	30.58	32.66	13	*l*44	19	39.33	8	8	8	11.33	5.8
Detroit	31.74	36.03	30.80	32.86	7	51	5	*m*40 67	9	10	9	17.67	7.0
Grand Rapids, [Streng]	28.06	34.00	29.22	30.43	13	47	13	40.67	8	8	8	10.00	8.3
Lansing (*n*)	27.92	33.25	30.08	30.42	13	49	13	43.33	9	9	8	14.00	4.8
Marquette	21.09	26.69	21.56	23.13	13	*l*38	26	34.53	8	— 8	8	— 3.13	7.5
Monroe													8.0
New Buffalo (*o*)	28.84	36.45	29.04	31.44	11	55		?	9	10		?	8.2
Ottawa Point (*p*)	26.29	32.22	29.81	28.76	13	45	13	41.75	9	6	9	10.75	8.0
Port Huron	30.03	35.86	30.43	32.11	13	55	13	47.00	9	6	9	11.33	7.6
Thunder Bay Island (*q*)	26.79	28.92	27.69	27.69	13	43	13	40.50	8	7	8	10.25	8.5
INDIANA—													
Cannelton	39.31	46.00	41.06	42.12	14	60	13	57.33	8	19	8	21.20	5.9
Logansport	32.58	39.52	33.39	35.16	14	55	14	49.00	8	10 *k*	8	13.37	6.6
Madison	37.00	42.42	38.61	39.34	5	58	4	*h*54.67	10	13	9	19.33	6.5

a Observations taken at 7 a. m., 3 p. m., and 9 p. m.
b Same temperature on the 10th
c Observations taken at 6 a. m., 2 p. m., and 5 p. m.
d Same temperature on the 30th.
e Same temperature on the 5th.
f Observations at 7 a. m. wanting for the last four days of the month.
g Same temperature on the 4th and 5th.
h Same temperature on the 11th.
i Incomplete.
j Same temperature on the 15th.
k Same temperature on the 9th.
l Same temperature on the 19th.
m Same temperature on the 13th.
n Observations taken at 7 a. m., 2 p. m., and 8 p. m.
o Observations taken at 7 a. m., 1 p. m., and 9 p. m.
p Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 26.71
q Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 27.35.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
INDIANA—Continued.	°	°	°	°		°		°		°		°	
New Harmony	36.90	45.35	40.35	40.87	13	60	13	58.00	9	14	8	19.00	6.1
Richmond, [Moore]	35.84	42.00	37.40	38.41	14	60	14	57.33	9	9	8	16.90	6.8
ILLINOIS—													
Athens	28.58	39.64	32.53	33.58	12	53	12	49.00	8	3	8	8.67	5.4
Augusta	26.03	34.77	30.80	30.53	29	52	29	48.67	8	1	8	8.67	5.3
Aurora	24.09	31.74	26.74	27.52	30	48	29	40.67	8	— 7	8	— 0.67	6.3
Batavia, [Capon]	23.16	30.40	25.70	26.42	30	48	30	39.33	9	—10	8	— 8.00	6.9
Batavia, [Mead]	21.26	29.90	23.13	24.76	30	45	29	*a*36.00	9	—16	8	— 3.67	6.9
Brighton	26.61	47.50	36.71	36.94	25	61	3	49.67	8	10 *b*	8	15.33	4.7
Carthage (*c*)	24.65	34.90	30.90	30.15	14	82 ?	29	48.00	9	— 3	9	5.00	----
Edgington	23.87	32.97	28.67	28.50	29	49	29	44.33	8	— 5	8	7.00	6.5
Elgin	22.58	29.58	24.45	25.54	30	44	26	*a*36.00	9	—16	8	— 3.67	7.0
Jacksonville (*d*)	29.90	40.35	35.71	35.32	2	58	2	50.11	8	4	8	11.11	----
Manchester (*c*)	28.10	39.26	31.00	32.79	12	54	12	49.00	8	3	8	10.00	5.6
Marengo	23.61	31.50	25.61	26.91	30	46	12	*a*38.00	9	—16	9	— 2.00	6.3
Ottawa	25.54	31.40	26.70	27.88	30	53	29	41.67	8	— 3	8	2.67	6.0
Pekin	24.71	34.16	29.25	29.37	30	51	29	45.00	8	— 4	8	4.67	5.8
Peoria	28.89	36.30	32.07	32.39	12	51	29	47.83	8	1.5	8	9.80	5.7
Riley	21.84	28.93	23.06	24.61	27	47	27	38.00	10	—16	10	— 2.67	5.7
Sandwich	23.25	33.51	27.35	28.04	30	46	29	*a*39.33	9	—15	8	0.00	5.2
South Pass	35.54	48.38	40.45	41.46	13	63	13	60.33	8	10 *b*	8	17.33	6.3
Upper Alton	31.22	41.90	34.93	36.02	12	58	12	52.33	8	10 *b*	8	13.33	4.6
Waynesville	26.12	34.87	33.52	31.50	12	48	29	45.00	8	0	8	7.00	5.9
West Salem	34.52	45.36	38.36	39.41	13	*a* 62	13	57.67	9	10	8	15.33	6.0
West Urbana	30.29	37.90	34.52	34.47	13	56	15	49.33	8	6	8	10.33	6.4
Wheaton	23.29	30.85	25.48	26.54	30	46	30	38.60	9	— 8	8	— 1.50	7.0
Winnebago	20.29	27.74	22.67	23.57	30	40	29	35.60	9	—17	9	— 6.16	6.6
MISSOURI—													
St. Louis	34.00	42.71	38.11	38.27	12	56	12	51.00	8	12	8	17.00	----
WISCONSIN—													
Appleton	18.87	26.05	22.68	22.53	12	40	30	36.00	9	—18	8	— 9.00	7.1
Bay City	10.87	19.77	13.32	14.65	26	36	26	*e*31.33	9	—24	8	—13.33	6.7
Bayfield	14.84	19.29	16.29	16.81	26	36	28	32.00	8	—11 *b*	8	— 8.00	7.6
Beloit	22.03	31.41	23.64	25.69	30	43	29	37.67	9	—15	9	— 0.67	5.6
Janesville	23.45	30.26	25.39	26.37	20	43	29	38.33	9	—10	8	— 2.67	7.5
Kenosha	27.69	32.79	29.86	30.11	19	*a* 42	30	39.17	9	— 6	8	0.67	5.9
Madison	20.00	25.26	20.42	21.89	12	40	12	35.67	8	—11	8	— 5.00	6.4
Manitowoc	24.19	32.39	28.94	28.51	19	44	28	40.67	9	—11	8	— 3.00	7.3
Milwaukee, [Pomeroy]	26.29	32.16	28.03	28.83	12	*f* 43	12	39.67	9	— 6	8	1.00	7.7
Milwaukee, [Winkler]	25.18	31.06	27.35	27.86	19	*g* 42	12	38.67	10	—10	8	— 2.33	6.0
Platteville	18.29	28.26	21.32	22.62	28	42	28	*h*37.33	9	—18	8	— 8.67	6.3
Warsaw	9.29	26.90	22.00	19.40	26	44	26	37.00	9	—38	8	— 8.00	3.3
Waukesha	23.35	31.16	26.61	27.04	19	40	29	36.67	9	—10	8	— 2.67	4.7
IOWA—													
Bellevue	17.84	27.97	21.00	22.27	12	42	29	37.67	9	—18	8	— 5.00	6.6
Border Plains	16.00	29.29	17.94	21.08	26	47	28	41.33	9	—22	9	— 5.33	5.7
Dubuque	18.97	27.45	23.68	23.37	12	43	29	37.33	9	—11	8	— 3.67	5.8
Fairfield	20.94	32.29	25.81	26.35	22	49	29	43.33	8	— 8	8	4.00	5.8
Fort Madison (*i*)	24.79	32.06	28.32	28.39	29	51	29	44.00	8	— 6	8	4.67	5.1
Iowa City	20.06	28.13	22.93	23.71	26	45	29	41.00	9	—11	8	0.67	5.9
Muscatine	19.52	30.27	24.68	24.82	29	48	29	43.33	8	—15	8	2.33	3.7
Pleasant Plain	19.06	33.74	23.90	25.57	29	56	29	44.67	8	—14	8	0.67	4.8
Rossville	15.66	23.35	18.20	19.07	28	37	28	35.33	8	—17	8	—12.50	5.9
MINNESOTA—													
Beaver Bay	14.31	19.67	15.61	16.53	26	*j* 34	28	33.33	8	—17	8	—10.33	6.6
Burlington	12.29	21.55	13.81	19.88	20	*f* 39	28	34.67	9	—24	8	—15.00	6.7
Forest City	7.39	19.16	9.61	12.05	28	37	28	33.67	9	—35	8	—19.33	1.7

a Same temperature on the 30th.
b Same temperature on the 9th.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m.
d Observations taken at sunrise, 1 p. m., and sunset.
e Same temperature on the 28th.
f Same temperature on the 26th.
g Same temperature on the 12th.
h Same temperature on the 29th.
i Observations taken at 6 a. m., noon, and 7 p. m.
j Same temperature on the 28th and 30th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MINNESOTA—Continued.	°	°	°	°		°		°		°		°	
Hazlewood	11.42	19.66	13.15	14.74	25	*a* 38	28	36.00	8	—16	8	— 9.00	4.5
Lapham (*b*)	7.61	.....	14.00	10.80	18	*a* 34	28	33.00	8	—36	8	—22.00	....
Princeton	9.60	21.13	11.73	14.15	20	35	28	34.67	8	—30	8	—18.00	5.0
NEBRASKA—													
Bellevue	21.13	32.43	23.48	25.68	26	50	28	43.67	8	—11	7	— 1.00	3.4
Brownville	19.00	33.35	21.65	24.67	28	50	28	45.67	8	—20	8	—10.33	4.1
Elkham	14.45	28.78	19.52	20.92	26	49	28	43.00	8	—22	7	— 6.67	4.8
Gilbert's Trading Post (*c*)	4.85	16.11	6.74	9.23	27	31	27	22.33	7	—24	2	—14.67	5.2
Omaha	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	3.5
KANSAS—													
Burlingame	26.52	37.74	29.29	31.18	26	*a* 53	28	49.00	8	— 4	7	8.00	4.0
Lawrence	26.42	39.10	30.42	31.98	28	54	28	56.33	8	— 3	7	8.00	4.8
Leavenworth C'y, [Berthoud]	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.2
Leavenworth City, [McCarty]	24.87	35.65	28.55	29.69	18	*a* 50	28	48.33	8	— 7	8	5.00	5.1
Manhattan	20.58	36.23	23.35	26.72	28	56	28	48.00	8	—16	8	1.67	5.2
OREGON—													
Portland	38.61	44.35	41.56	41.51	17	57	16	49.67	9	22	9	27.00	....
MEXICO—													
Cordova (*d*)	64.87	69.37	65.71	66.96	30	78.08	....	.....	22	61.16	....	.....	....
Minatitlan (*e*)	69.23	76.23	.....	72.73	5	84	5	78.00	30	60	10	67.00	....
Mirador (*f*)	60.03	70.63	62.76	64.47	....	.....	....	73.09	....	.....	....	56.71	....
Vera Cruz (*g*)	73.87	.....	71.88	72.77	....	.....	....	.....	....	.....	....	.....	....
CALIFORNIA—													
Marysville	41.06	49.25	45.25	45.19	1	54	26	*h* 50.00	7	29	7	38.00	6.1
Sacramento	40.97	48.10	44.35	44.47	1	*i* 52	31	49.00	8	29	7	36.00	6.1
San Francisco	44.45	50.06	46.45	46.99	25	59	27	51.67	7	*j* 36	7	40.67	5.1
WEST INDIES—													
Centre Signal Station, Ber (*k*)	.....	.....	.....	62.84	9	*l* 70	....	.....	27	51	....	.....	....
Nassau, Bahamas (*m*)	.....	.....	.....	78.25	....	.....	7	*j* 81.00	....	.....	....	.....	....
Turk's Island, Bahamas (*n*)	75.45	78.23	76.61	76.76	1	83	1	81.33	27	*a* 70	27	*a* 71.33	....
CENTRAL AMERICA—													
Guatemala (*o*)	55.40	70.88	59.90	63.61	?	76.5	....	.....	?	48.7	....	.....	....
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*p*)	74.10	84.30	79.40	79.27	12	*q* 87	1	*r* 80.67	26	*i* 72	9	76.33	5.9
Chanarcillo, Chili (*s*)	63.91	72.00	57.94	65.83	....	.....	....	.....	....	.....	....	.....	....
EASTERN CONTINENT—													
Jerusalem, Palestine	51.29	58.89	52.87	54.35	2	*t* 71	2	65.83	21	40	24	44.17	2.6

a Same temperature on the 28th.
b Observations taken at sunrise and sunset.
c Observations omitted from the 8th to the 16th.
d Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m, 67.57; at 6 p. m., 67.26
e Observations taken at 7 a. m. and 3 p. m.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m.
g Observations taken at 7 a. m. to 9 a. m., and at 10 p. m. to 12 p. m.
h Same temperature on the 31st.
i Same temperature on the 27th and 31st.
j Same temperature on the 8th.
k Observations taken at noon.
l Same temperature on the 15th and 17th.
m Mean obtained from daily maximum and minimum.
n Observations taken at 6 a. m., noon, and 6 p. m.
o Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean at 9 a. m, 62.60; mean at noon, 69.26.
p Observations taken at 6 a. m., 2 p. m., and 6 p. m.
q Same temperature on the 22d.
r Same temperature on the 3d and 12th.
s Observations taken at 9 a. m., noon, 3 p. m., 6 p. m, and 9 p. m. Mean at noon, 68.18; mean at 6 p. m., 67.14.
t Same temperature on the 10th.

No. 26.—PSYCHROMETER, JANUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches*						
Montreal	.078	.092	.090	26	.254	23	.000	67	65	71	0	26	23
St. Martin	.068	.109	.079	26	.262	23	.013	79	76	79	57	56	57
St. Martin	.060	.101	.078	26	.252	23	.015	78	77	83	62	53	51
Toronto (*a*)	.138	.141	.129	25	.272	31	.013	83	71	79	68	47	59
Windsor	.114	.133	.124	12	.348	23	.030	85	82	83	69	46	56
Wolfville	.113	.120	.124	12	.371	22	.027	84	74	84	61	40	53
MAINE—													
Portland	.113	.123	.120	26	.266	22	.038	85	68	77	64	37	46
NEW HAMPSHIRE—													
Francestown, [Bixby]	.102	.111	.111	26	.262	22	.022	76	60	73	57	27	51
VERMONT—													
Burlington	.105	.117	.123	26	.297	22	.030	86	76	86	55	39	37
St. Johnsbury	.080	.102	.097	4	.278	22	.017	82	68	82	54	29	57
MASSACHUSETTS—													
Amherst	.125	.152	.148	6	.349	8	*b*. 044	86	74	84	57	45	50
Bridgewater (*a*)	.151	.167	.174	11	.439	8	*c*. 056	89	70	85	56	32	46
Cambridge								80	74	78	62	59	62
Lawrence	.106	.124	.130	11	.418	23	.015	68	58	70	24	23	33
Nantucket	.164	.163	.171	16	.355	8	.046	75	61	73	51	35	49
New Bedford	.157	.170	.166	11	.395	22	.043	86	69	81	53	30	48
Newburyport	.188?	.190?	.222?	?	?	?	?	80?	70?	89?	?	?	?
Westfield	.111	.126	.148	21	.316	9	*d*. 036	73	59	84	46	31	67
Worcester	.124	.150	.128	11	*e*. 388	15	.000	74	63	70	40	29	0
RHODE ISLAND—													
Providence (*f*)													
CONNECTICUT—													
Pomfret	.134	.158	.154	11	*g*. 388	22	.048	84	73	85	56	47	58
Wallingford	.129	.152	.145	11	.389	22	.038	84	62	79	62	27	45
NEW YORK—													
Buffalo (*a*)	.147	.163	.148	11	.283	8	.065	69	66	73	49	42	51
Clinton	.100	.142	.109	25	.321	8	.025	67	62	66	40	36	33
Fort Edward	.097	.124	.113	26	.267	8	.027	84	77	83	37	38	44
New York city	.139	.166	.164	11	.420	22	.017	62	56	64	21	28	15
Ovid	.107	.131	.117	11	.308	23	.040	64	63	65	32	37	28
Pompey	.031	.029	.029	11	.054	4	.000	83	71	76	55	0	12
NEW JERSEY—													
Bloomfield	.151	.170	.189	9	.459	23	.057	72	57	81	40	35	41
PENNSYLVANIA—													
Chromedale	.163	.174	.176	11	.476	8	.087	82	61	80	57	38	35
Easton	.142	.161	.158	11	.442	22	.037	79	67	77	44	42	36
Harrisburg, [Hickok]	.145	.168	.145	26	.426	7	.063	74	61	66	42	29	39
Lewisburg	.140	.149	.148	26	.373	8	.056	81	61	78	53	36	43
Murrysville	.148	.164	.151	25	.340	8	.022	80	62	75	27	32	60
Norristown	.154	.183	.173	11	.410	23	.066	78	63	73	46	38	49
Philadelphia	.167	.187	.182	11	.505	8	.077	75	60	69	45	27	46
Somerset	.157	.202	.169	25	.442	8	.065	90	81	88	75	60	68
Westtown	.169	.197	.190	11	.504	8	.059	85	69	83	64	35	37
DELAWARE—													
Newark	.178	.211	.186	11	.518	7	.087	83	62	75	56	43	49
MARYLAND—													
Annapolis	.179	.207	.213	11	.459	8	.088	83	68	77	70	45	54
Baltimore	.161	.174	.170	11	.418	7	.064	74	57	65	47	27	33
Chestertown	.171	.183	.186	11	.423	19	.058	78	61	73	39	21	41
Frederick	.167	.195	.189	26	.396	8	.094	78	66	80	59	42	61
DISTRICT OF COLUMBIA—													
Washington	.179	.189	.186	11	.449	8	.070	78	60	74	50	28	56

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 22d.
c Same amount on the 9th.
d Same amount on the 31st.
e Same amount on the 26th.
f Mean relative humidity, 62.5. For changes in hours of observation, &c., see table of the thermometer for this month.
g Same amount on the 16th.

No. 26.—PSYCHROMETER, JANUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
VIRGINIA—													
Montross	.128	.212	.158	11	.529	31	.003	53	63	57	8	31	2
Rose Hill	.203	.226	.236	11	.566	30	.088	70	63	71	48	32	43
Salem	.211	.235	.237	26	.446	8	*a*. 139	78	71	78	69	56	48
NORTH CAROLINA—													
Murfreesborough	.296	.371	.328	11	.648	30	.167	96	87	93	88	72	89
SOUTH CAROLINA—													
All Saints	.314	.373	.353	11	.662	2	.162	91	75	92	61	48	79
Charleston, [Dawson] (*b*)													
GEORGIA—													
Athens	.214	.280	.259	25	.495	17	.128	92	69	82	69	34	53
Hillsborough	.254	.259	.262	11	.530	20	.012	85	60	74	55	3	31
Savannah	.330	.368	.356	14	.673	28	.125	88	66	80	53	33	27
FLORIDA—													
Jacksonville	.418	.514	.434	14	.749	17	.208	92	80	89	84	59	70
Warrington	.427	.764	.408	11	1.092	21	.273	94	94	93	85	70	85
ALABAMA—													
Auburn	.234	.254	.253	13	.563	19	.083	70	52	64	34	19	37
Carlowville	.308	.445	.344	14	.733	14	.123	81	80	80	37	32	40
Greene Springs	.283	.324	.311	25	.612	29	.139	86	67	83	56	32	52
Greensborough	.271	.284	.298	15	.570	28	.124	89	58	84	63	28	35
MISSISSIPPI—													
Columbus	.254	.284	.292	25	.525	28	.129	86	64	83	49	27	38
TEXAS—													
Austin, [Van Nostrand]	.277	.318	.287	24	.632	18	.047	83	60	70	64	38	12
Goliad	.358	.385	.391	14	.745	15	.156	86	73	81	54	34	27
Larissa (*c*)	.289	.349	.308	10	.596	29	.177	81	63	78	47	35	52
TENNESSEE—													
Glenwood	.197	.216	.219	25	.452	7	.093	80	57	76	49	27	51
Memphis	.225	.224	.238	24	.376	30	.003	81	55	73	47	1	36
KENTUCKY—													
Bardstown	.193	.225	.204	15	.443	3	.079	87	65	79	62	28	32
Springdale (*c*)	.183	.214	.220	25	.413	3	.101	86	69	78	70	47	57
OHIO—													
Cincinnati, [Harper]	.196	.237	.197	25	.410	7	.100	80	71	73	69	41	56
Cincinnati, [Hurtt]	.189	.227	.196	25	.452	3	.071	78	67	74	46	43	50
Medina	.170	.194	.176	24	.485	8	.078	84	80	84	45	41	42
Northwood	.185	.207	.187	25	.363	31	.117	85	79	85	60	44	43
Perrysburg (*c*)	.173	.179	.171	11	.383	7	.100	80	65	78	58	39	52
Savannah	.150	.163	.160	25	.403	4	.038	82	67	93	62	14	54
Westerville	.156	.174	.165	25	.365	20	.070	77	62	75	60	20	45
MICHIGAN—													
Marquette	.105	.130	.103	25	.270	20	.012	81	76	76	46	44	6
INDIANA—													
Madison	.212	.225	.223	25	.423	8	.136	88	77	87	63	57	63
New Harmony	.197	.210	.208	25	.420	3	.106	87	66	82	61	36	58
Richmond	.152	.161	.167	25	.370	4	.062	73	60	69	35	26	31
ILLINOIS—													
Augusta	.147	.207	.175	25	.449	30	.050	83	74	82	43	32	48
Manchester (*c*)	.177	.249	.205	22	.410	7	.082	100	85	100	91	57	100
Peoria	.152	.158	.159	24	.361	7	.061	86	58	76	59	22	48
Wheaton	.141	.154	.151	25	.341	2	.068	87	63	82	69	34	53
MISSOURI—													
St. Louis	.172	.183	.175	24	.334	3	.090	81	53	71	53	26	36
WISCONSIN—													
Appleton	.124	.170	.133	25	.369	7	.012	76	79	74	32	57	20
Madison, [Sterling]	.130	.152	.140	25	.335	31	.007	84	74	79	26	25	4
Waukesha	.129	.139	.146	25	.298	30	.012	81	62	81	14	17	7
IOWA—													
Fairfield	.119	.155	.122	4	.334	7	.033	71	54	61	50	21	22

a Same amount on the 17th.

b Mean force of vapor, .352; obtained approximately from the mean dew point.

c For changes in hours of observation, &c., see table of the thermometer for this month.

No. 26.—PSYCHROMETER, JANUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
IOWA—Continued.													
Muscatine	.372	.437	.429	6	.668	9	.269	70	66	63	53	51	49
Sioux City	.110	.158	.130	24	.329	7	.025	80	75	82	55	31	61
MINNESOTA—													
Wabashaw	.119	.350	.239	24	.870	7	.000	56	69	67	11	29	41
KANSAS—													
Leavenworth City, [McCarty]	.163	.210	.184	24	.418	7	*a* .082	88	72	87	58	34	53
CALIFORNIA—													
Sacramento	.218	.253	.243	21	.348	7	.131	83	72	81	59	25	58
San Francisco	.261	.279	.284	4	.363	6	.126	85	69	85	44	34	58
MEXICO—													
Mirador (*b*)	.313	.311	.350	7	.555	7	.199	60	46	64	37	27	36
Vera Cruz (*b*)	.654	------	.676	----	------	----	------	82	------	82	------	------	------
WEST INDIES—													
St. George's, Bermuda (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*d*)	.391	.362	.400	----	------	----	------	97.6	47.6	83.4	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*b*)	.769	.800	.794	11	.877	23	.693	88	69	81	85	61	74

a Same amount on the 28th.

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Observations taken at 9.30 a. m. and 3.30 p. m. Mean force of vapor, .492. Mean relative humidity, 82.

d Observations taken at 6 and 9 a. m., 12 m., and at 3 and 9 p. m. Mean force of vapor at 9 a. m., .374, at 12 m., .322. Mean relative humidity at 9 a. m., 65.9, and at 12 m., 43.9.

No. 27.—PSYCHROMETER, FEBRUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.047	.070	.060	28	.196	12	.002	62	65	64	9	34	29
St. Martin	.035	.077	.058	27	.192	12	*a*. 002	63	74	75	18	60	46
St. Martin	.040	.074	.055	27	.189	13	.000	71	72	77	0	53	58
Toronto (*b*)	.074	.086	.081	2	.180	5	.020	80	71	81	43	52	67
Windsor	.090	.095	.079	10	.192	13	.017	79	75	81	39	58	54
Wolfville	.074	.090	.087	28	.215	11	.031	87	74	75	74	58	66
MAINE—													
Portland	.072	.087	.089	28	.215	13	.032	82	63	77	56	44	48
NEW HAMPSHIRE—													
Francestown, [Bixby]	.068	.066	.077	28	.182	15	.020	74	47	73	47	20	43
VERMONT—													
Burlington	.067	.083	.079	28	.175	8	*c*. 024	91	79	87	49	43	47
St. Johnsbury	.051	.079	.062	28	.348	11	.006	75	64	79	20	35	31
MASSACHUSETTS—													
Amherst	.086	.106	.095	28	.250	24	.034	89	69	82	58	50	53
Bridgewater (*b*)	.114	.152	.130	2	.315	24	.037	97	94	96	77	38	55
Cambridge	------	------	------	------	------	------	------	76	69	73	67	61	64
Lawrence	.071	.083	.081	28	.243	19	.006	61	49	63	12	15	29
Nantucket	.101	.097	.116	2	.275	12	.019	60	42	69	24	14	29
New Bedford	.101	.111	.110	2	.275	11	.025	79	62	79	59	32	43
Newburyport	.119	.134	.148	10	.454	24	.003	88	64	79	33	1	36
Westfield	.074	.091	.097	28	.217	19	.024	71	58	78	46	35	55
Worcester (*b*)	.086	.090	.074	10	.248	15	*d*. 000	77	63	55	27	0	0
RHODE ISLAND—													
Providence (*e* & *b*)	------	------	------	------	------	------	------	------	------	------	------	------	------
CONNECTICUT—													
Pomfret	.192	.112	.102	28	.251	18	.043	91	73	84	53	48	64
Wallingford	.089	.100	.098	28	.225	11	.039	85	60	77	57	37	54
NEW YORK—													
Buffalo (*b*)	.089	.101	.095	2	.183	11	.038	77	71	76	56	59	40
Clinton	.060	.083	.068	2	*f*. 178	13	.008	61	57	61	23	39	37
Fort Edward	.064	.106	.089	2	.212	12	.020	88	80	87	46	29	41
New York city	.096	.120	.109	28	.205	19	.023	66	62	66	29	32	26
Ovid	.072	.085	.079	30	.194	21	.024	65	62	64	40	37	44
Pompey	.025	.024	.025	27	.057	28	.000	83	74	83	0	32	46
NEW JERSEY—													
Bloomfield	.088	.101	.107	2	.236	24	.027	71	55	77	49	19	48
PENNSYLVANIA—													
Chromedale	.241	.289	.266	2	.239	24	.034	82	63	75	52	36	42
Easton	.080	.089	.096	2	.185	11	.022	71	54	73	50	25	38
Harrisburg, [Hickok]	.088	.108	.099	28	.211	27	.009	71	61	66	9	24	31
Lewisburg	.207	.255	.245	28	.473	24	.085	81	57	72	55	41	48
Murrysville	.094	.095	.101	28	.289	22	.022	74	53	75	21	13	34
Norristown	.085	.099	.097	9	.300	25	.024	78	52	70	46	20	31
Philadelphia	.101	.111	.118	2	.246	18	.040	70	53	67	52	26	51
Somerset	.100	.138	.113	28	.260	11	.028	90	83	91	68	56	57
Westtown	.090	.134	.121	2	.258	11	.025	77	74	82	37	45	46
DELAWARE—													
Newark	.116	.158	.131	28	.295	24	.046	89	74	83	56	29	46
MARYLAND—													
Annapolis	.120	.138	.146	1	*g*. 251	17	.055	83	64	75	51	36	57
Baltimore	.101	.109	.111	2	.228	17	.005	69	52	61	37	20	5
Chestertown	.099	.119	------	1	.246	11	.000	67	60	------	36	31	------
Frederick	.099	.123	.118	9	.281	25	.000	73	62	74	53	0	52
DISTRICT OF COLUMBIA—													
Washington	.108	.122	.125	1	.257	11	.028	74	57	68	31	24	40

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a Same amount on the 13th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 12th.
d Same amount on the 22d, 23d, and 26th.
e Mean relative humidity, 57.
f Same amount on the 29th.
g Same amount on the 28th.

No. 27.—PSYCHROMETER, FEBRUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches.*						
Montross	.104	.133	.104	1	.262	23	.000	64	56	52	18	2	0
Rose Hill	.127	.136	159	28	.268	18	.022	67	56	65	18	26	49
Salem	.177	.200	.215	28	.349	11	.088	78	74	79	68	62	71
NORTH CAROLINA—													
Murfreesborough	.201	.259	.237	9	*a*.423	23	.111	95	86	91	85	68	67
SOUTH CAROLINA—													
All Saints	.235	.287	.266	1	.523	11	.116	91	76	87	53	39	65
Charleston, [Dawson] (*b*)													
GEORGIA—													
Hillsborough	.204	.194	.187	28	.403	6	.088	83	53	65	63	21	35
Savannah	.253	.269	.285	1	.488	11	.156	87	59	76	61	33	47
FLORIDA—													
Jacksonville	.354	.458	.389	9	.631	6	.208	86	74	88	75	59	76
ALABAMA—													
Carlowville	.214	.241	.240	22	.648	10	.096	78	62	73	43	29	37
Greene Springs	.187	.251	.215	28	.583	27	.082	77	60	75	47	37	46
Greensborough	.206	.214	.220	12	.428	25	.090	87	53	78	61	20	45
MISSISSIPPI—													
Columbus	.190	.213	.215	27	.466	11	.077	86	57	77	66	29	42
TEXAS—													
Austin, [Van Nostrand]	.244	.262	.246	27	.550	22	.058	85	48	67	56	15	32
Goliad	.280	.328	.320	9	.613	22	.025	79	56	72	34	9	27
Larissa	.219	.278	.238	9	.564	23	.077	79	58	75	56	23	48
TENNESSEE—													
Glenwood	.135	.151	.144	9	.348	10	.042	82	58	72	58	31	43
Memphis	.164	.171	.176	18	.390	23	.013	79	59	70	15	18	40
KENTUCKY—													
Bardstown	.132	.150	.145	13	.236	12	.050	91	72	87	53	43	66
Springdale	.111	.139	.142	27	.315	9	.000	80	68	83	0	23	62
OHIO—													
Cincinnati, [Harper]	.111	.160	.124	27	.270	22	.033	80	75	70	57	43	38
Hillsborough	.092	.110	.106	28	.229	10	.031	75	66	72	53	37	51
Medina	.090	.116	.096	2	.196	4	*c*.000	87	79	80	53	0	0
Northwood	.114	.140	.110	22	.321	23	.029	90	75	94	73	54	70
Perrysburg (*d*)	.092	.122	.104	27	.229	22	.022	87	71	79	63	38	57
Savannah	.078	.112	.090	9	.212	22	.021	82	77	76	51	47	45
Westerville	.090	.125	.112	9	.225	23	.028	84	75	83	61	47	58
MICHIGAN—													
Marquette	.062	.077	.059	26	.155	20	.000	82	70	75	47	33	00
INDIANA—													
Madison (*e*)	.178	.179	.174		?		?	88	76	86	?	?	?
New Harmony	.125	.153	.138	9	.286	23	.048	89	75	87	66	46	56
Richmond	.088	.112	.102	9	.233	11	.022	76	63	73	52	36	43
ILLINOIS—													
Augusta	.086	.128	.101	26	.235	23	.003?	93	90	90	14	53	68
Manchester (*d*)	.104	.175	.113	14	*f*.285	9	.027	100	99	100	100	64	100
Peoria	.083	.091	.092	26	.257	12	.023	90	58	80	40	35	29
Wheaton	.071	.092	.085	27	.178	11	.017	91	76	86	59	40	66
MISSOURI—													
St. Louis	.124	.135	.134	27	.243	23	.045	97	81	91	73	36	59
WISCONSIN—													
Appleton	.054	.108	.076	27	.270	10	.000	58	72	65	0	34	5
Madison, [Sterling]	.059	.081	.071	26	.196	22	.008	75	69	71	20	23	16
IOWA—													
Fairfield	.063	.078	.077	26	.196	10	*g*.000	70	53	58	23	0	0
Muscatine	.300	.392	.368	28	.559	11	.077	61	65	65	31	49	49
Sioux City	.061	.081	.066	26	.296	22	.002	67	66	73	6	39	42

a Same amount on the 10th.
b Mean force of vapor, .265, obtained approximately from the mean dew point.
c Same amount on the 5th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Incomplete.
f Same amount on the 24th.
g Same amount on the 26th.

No. 27.—PSYCHROMETER, FEBRUARY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
MINNESOTA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Wabashaw	.087	.331	.176	26	.655	3	.000	46	68	58	0	12	12
KANSAS—													
Leavenworth City, [McCarty]	.106	.139	.114	26	.359	22	.040	94	77	88	63	43	69
MEXICO—													
Mirador (*a*)	.274	.227	.321	10	.431	20	*b*.000	55	35	61	0	0	29
Vera Cruz (*a*)	.666	------	.626	----	------	----	------	84	------	79	------	------	------
CALIFORNIA—													
Sacramento	.263	.324	.322	22	.456	10	.142	79	72	79	60	46	63
San Francisco	.317	.358	.335	20	.522	2	.191	86	67	83	41	42	56
WEST INDIES—													
St. George's, Bermuda (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*d*)	.362	.352	.383	----	------	----	------	90.3	40.7	75.0	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.666	.766	.757	20	*e*.850	27	.608	87	63	76	77	52	70

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 21st and 22d.
c Observations taken at 3¼ a. m., 9⅛ a. m., 3½ p. m., and 9½ p. m. Mean force of vapor, .457. Mean relative humidity, 76.
d Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .315, at 12 m., .340. Mean relative humidity at 9 a. m., 54.1, and at 12 m., 49.1.
e Same amount on the 18th and 21st.

No. 28.—PSYCHROMETER, MARCH, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a.m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.097	.147	.115	17	.390	4	.009	70	76	73	19	48	18
St. Martin	.085	.173	.111	31	.383	4	.011	75	78	78	60	67	62
St. Martin	.083	.169	.110	31	.390	4	.011	77	75	78	53	49	64
Toronto (*a*)	.117	.117	.123	16	.310	5	.024	79	55	75	51	29	38
Windsor	.129	.141	.138	2	.341	14	.036	83	68	80	56	41	47
MAINE—													
Portland	.112	.134	.129	17	.286	4	.039	77	62	76	39	29	40
NEW HAMPSHIRE—													
Francestown [Bixby]	.099	.103	.102	17	.309	3	.032	68	49	67	21	22	29
VERMONT—													
Burlington	.112	.122	.129	18	.334	4	.025	86	65	82	59	39	50
St. Johnsbury	.088	.130	.104	31	.334	25	.004	72	64	79	6	29	47
MASSACHUSETTS—													
Amherst	.130	.153	.137	16	.313	4	.031	85	63	76	52	35	49
Bridgewater (*a*)	.148	.175	.165	17	.419	5	.055	91	75	83	55	32	25
Cambridge								78	69	74	62	57	60
Lawrence	.114	.134	.159	8	.680	5	.019	73	52	74	33	23	35
Nantucket	.135	.143	.153	19	.270	6	.012	68	55	75	45	10	43
New Bedford	.139	.139	.148	21	.305	5	.029	78	55	79	46	22	42
Westfield	.114	.135	.164	17	.304	5	.028	67	56	79	36	20	46
Worcester	.104	.136	.112	18	.295	2	.000	65	49	61	6	0	13
RHODE ISLAND—													
Providence (*b*)													
CONNECTICUT—													
Pomfret	.138	.156	.145	17	.487	3	.048	80	63	78	47	30	56
Wallingford	.121	.134	.133	18	.323	3	.042	80	50	74	47	17	43
NEW YORK—													
Buffalo (*a*)	.144	.145	.135	16	.363	5	.045	77	67	73	44	31	40
Clinton	.108	.139	.110	17	.464	5	.020	64	54	59	27	27	21
Fort Edward	.115	.153	.135	17	.321	7	.019	78	68	79	24	31	46
New York City	.135	.161	.138	17	.370	5	.016	64	52	56	41	19	24
Ovid	.115	.138	.119	15	.420	5	.017	61	56	59	32	19	26
Pompey	.030	.031	.030	16	.066	5	.010	79	71	75	42	32	29
Waterford (*c*)	.162	.289	.182	17	.446	13	.071	79	63	78	51	39	59
NEW JERSEY—													
Bloomfield	.134	.167	.126	20	.380	3	.028	66	54	71	43	25	31
PENNSYLVANIA—													
Chromedale								71					
Easton	.118	.120	.123	16	.376	5	*d*. 028	69	41	60	46	15	35
Harrisburg, [Hickok]	.131	.149	.143	16	.430	5	.032	67	44	56	33	19	21
Lewisburg	.120	.133	.131	16	.428	5	.022	70	40	58	41	14	28
Murrysville	.130	.149	.151	22	.433	6	.004	74	39	70	48	4	13
Norristown	.135	.170	.133	18	.433	6	.036	72	51	58	42	20	30
Philadelphia	.138	.162	.156	16	.448	5	.023	64	44	58	40	18	28
Somerset	.152	.207	.179	16	.489	5	*e*. 040	92	71	86	62	41	57
Westtown	.138	.187	.164	16	.500	5	.027	73	60	74	46	26	37
MARYLAND—													
Annapolis	.159	.188	.200	21	.427	5	.048	74	52	66	50	29	34
Baltimore	.143	.152	.158	22	.425	5	.031	65	41	52	33	21	31
Chestertown	.151	.183	.182	25	.442	6	.028	64	43	56	39	18	22
Frederick	.158	.181	.185	17	.390	6	.042	73	54	70	52	36	47
Oakland	.128	.145	.123	15	.396	26	.000	80	56	71	40	0	15
DISTRICT OF COLUMBIA—													
Washington	.148	.154	.168	17	.396	5	*e*. 025	63	40	56	31	14	27
VIRGINIA—													
Montross	.165	.237	.176	16	.680	11	.000	66	56	55	16	7	0
Rose Hill (*a*)	.181	.200	.208	22	.633	6	.061	63	47	56	39	23	32

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity for the month, 53.7. For changes in hours of observation, &c., see table of the thermometer for this month.

c Observations interrupted from the 2d to the 10th of the month.

d Same amount on the 4th.

e Same amount on the 6th.

No. 28.—PSYCHROMETER, MARCH, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Salem	.257	.272	.276	21	.556	9	.076	71	62	65	43	34	32
NORTH CAROLINA—													
Murfreesborough	.290	.374	.338	16	.604	5	.103	91	80	89	68	65	75
SOUTH CAROLINA—													
All Saints	.302	.315	.320	18	.586	4	.090	82	60	82	56	36	57
Charleston, [Dawson] (*a*)													
GEORGIA—													
Athens	.267	.285	.267	18	.596	3	.062	82	52	65	43	20	31
Hillsborough (*b*)	.290	.272	.309	18	.546	2	.056	74	41	59	30	7	23
Savannah	.335	.325	.344	23	.569	3	.064	79	52	72	47	25	48
FLORIDA—													
Jacksonville	.433	.510	.435	23	.859	3	.155	85	67	85	62	54	67
ALABAMA—													
Greene Springs	.328	.409	.375	18	.704	1	.052	79	58	76	29	27	57
Greensborough	.324	.349	.334	18	.706	1	.058	84	52	67	47	17	33
MISSISSIPPI—													
Columbus	.310	.346	.338	17	.672	1	.083	84	56	74	56	27	37
Paulding	.398	.443	.441	22	.694	1	.069	77	60	66	39	13	17
TEXAS—													
Austin [Van Nostrand]	.385	.423	.400	21	.731	1	.059	83	58	71	53	18	28
Goliad	.453	.480	.491	15	.814	1	.068	85	64	78	61	17	46
Larissa	.385	.424	.416	18	.718	1	.108	88	61	80	63	29	49
TENNESSEE—													
Glenwood Cottage	.213	.219	.233	20	.566	2	.053	71	47	63	33	16	20
Memphis	.259	.260	.275	19	.591	1	.076	71	50	63	26	23	29
KENTUCKY—													
Bardstown	.188	.217	.209	19	.482	2	.059	78	53	67	51	15	27
Springdale	.173	.264	.248	21	.635	7	.020	79	63	70	43	38	22
OHIO—													
Cincinnati [Harper]	.188	.261	.211	14	.516	5	.024	73	59	64	51	38	20
Hillsborough	.140	.159	.144	20	.440	6	.042	65	49	53	44	23	29
Medina	.152	.158	.159	20	.426	5	.028	80	56	74	49	25	35
Northwood	.164	.181	.213	15	.405	6	.024	78	58	83	40	15	54
Perrysburg (*b*)	.169	.196	.172	16	.517	6	.003	74	53	70	9	2	39
Savannah	.132	.171	.160	15	*c*. 396	5	.018	72	55	75	50	28	56
Westerville	.152	.195	.179	20	.452	7	.032	80	59	73	31	26	40
MICHIGAN—													
Marquette	.128	.134	.132	15	.315	13	*d*. 000	34	69	79	44	0	37
INDIANA—													
Madison (*e*)	.266	.330	.339	16	.556	23	.049	78	67	81	20	58	61
New Harmony	.218	.238	.244	20	.556	2	.078	83	57	73	54	32	37
ILLINOIS—													
Augusta	.187	.212	.222	16	.480	1	.032	81	62	76	54	29	49
Manchester (*b*)	.222	.325	.270	15	.708	1	.055	96	74	95	76	34	61
Peoria	.185	.199	.213	16	.500	25	.000	80	47	72	49	21	0
Wheaton	.160	.182	.177	15	.449	3	.036	83	59	81	60	26	58
MISSOURI—													
St. Louis	.209	.216	.229	21	.514	1	.071	76	51	67	44	14	39
WISCONSIN—													
Appleton	.157	.242	.180	16	.513	5	.031	81	75	76	52	32	37
Madison [Sterling]	.154	.173	.161	15	.604	3	.033	76	56	66	51	20	35
Waukesha	.139	.116	.153	15	.390	9	*f*. 000	66	36	65	32	0	2
IOWA—													
Dubuque	.150	.169	.173	15	.478	11	.038	72	49	69	44	14	39
Fairfield	.155	.161	.167	15	.442	2	.025	59	42	56	33	14	29
Muscatine	.439	.529	.517	15	.787	1	.256	71	73	74	37	56	49
Sioux City	.166	.206	.198	14	.416	1	.029	76	55	76	36	23	43

a Mean force of vapor .325; obtained approximately from the mean dew point.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 20th.
d Same amount on the 15th.
e For the last 28 days of the month.
f Same amount on the 21st, 24th, and 29th.

No. 28.—PSYCHROMETER, MARCH, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
MINNESOTA—													
Wabashaw	.124	.298	.166	31	.570	1	.010	59	65	60	29	24	25
KANSAS—													
Leavenworth City [McCarty]	.217	.270	.237	17	.559	1	.045	77	57	76	47	33	43
MEXICO—													
Mirador (*a*)	.289	.206	.351	1	.563	9	*b* .000	55	26	61	26	0	15
Vera Cruz (*a*)	.702	------	.748	----	------	----	------	81	------	82	------	------	------
CALIFORNIA—													
Sacramento	.268	.317	.313	31	.442	17	.152	75	67	76	51	39	47
San Francisco	.279	.320	.302	15	*c*. 452	17	*d*. 134	75	64	79	49	24	50
WEST INDIES—													
St. George's, Bermuda (*e*)	------	------	------	----	------	---	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*f*)	.387	.337	.399	----	------	----	------	91. (	39. 7	78. 7	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.767	.793	.792	8	.854	23	.644	88	67	77	81	59	74

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 10th and 11th.
c Same amount on the 24th.
d Same amount on the 18th.
e Observations taken at 3.30 a. m., 3.30 p. m., and 9.30 p. m. Mean force of vapor, .415. Mean relative humidity, 76.
f Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m Mean force of vapor at 9 a. m., .338, at 12 m., .351. Mean relative humidity at 9 a. m., 52.8, and at 12 m , 41.1.

No. 29.—PSYCHROMETER, APRIL, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches*						
Montreal	.168	.181	.180	23	.335	7	.065	72	59	71	43	20	37
St Martin (*a*)	.153	.208	.187	4	.344	7	.059	80	65	80	59	24	53
Toronto (*a*)	.166	.175	.184	30	.326	19	.065	73	54	73	24	19	51
Windsor	.171	.173	.171	24	.311	8	.058	79	60	79	22	27	33
MAINE—													
Gardiner	.192	.204	.198	23	.323	3	.013	87	65	85	58	2	46
Perry	.164	.198	.191	16	.322	19	.045	78	72	88	40	16	40
Portland	.161	.203	.187	17	.466	11	.068	73	63	77	31	17	43
NEW HAMPSHIRE—													
Francestown, [Bixby]	.194	.164	.159	23	.423	5	.041	61	46	61	26	19	25
VERMONT—													
Burlington	.166	.166	.184	30	.407	17	.055	72	52	69	43	14	25
St. Johnsbury	.143	.164	.169	23	.362	2	*b*. 000	71	52	79	0	0	40
MASSACHUSETTS—													
Amherst	.209	.223	.218	30	.534	7	.072	81	51	71	53	20	25
Bridgewater (*a*)	.212	.215	.224	30	.490	8	.072	84	54	70	50	16	31
Cambridge								81	68	74	63	51	54
Lawrence	.181	.208	.211	23	.460	7	.052	81	53	78	49	17	29
Nantucket	.203	.215	.221	6	.433	3	.052	68	55	76	43	28	15
New Bedford	.207	.218	.231	23	.441	7	.042	77	55	80	31	14	39
Newburyport (*a*)	.197	.229	.230	23	.411	29	.075	80	68	88	19	21	60
Westfield	.176	.186	.207	30	.520	28	.052	65	45	63	28	13	39
Worcester	.170	.214	.170	9	.449	17	.000	65	54	57	0	0	15
RHODE ISLAND—													
Providence (*c*)													
CONNECTICUT—													
Pomfret	.194	.238	.220	30	.543	7	.077	79	63	77	52	31	43
Wallingford	.197	.220	.211	18	.530	7	.058	78	52	73	45	19	34
NEW YORK—													
Bellport	.206	.255	.245	30	.464	7	.094	67	67	83	41	32	61
Buffalo (*a*)	.187	.200	.204	4	.516	7	.076	67	63	73	36	24	45
Clinton	.166	.208	.167	30	.478	7	.056	58	48	57	27	20	37
Fordham	.188	.208	.212	23	.443	18	.023	61	48	64	31	10	4
Fort Edward	.192	.226	.219	30	.546	7	*d*. 061	77	56	75	47	13	43
New York city	.204	.222	.231	23	.474	7	.075	64	48	66	30	18	25
Oswego	.237	.257	.211	30	.556	25	.113	84	71	79	51	39	63
Ovid	.168	.180	.166	30	.460	18	.032	62	51	58	32	14	11
Waterford	.206	.230	.214	30	.473	27	.085	74	54	70	49	27	39
NEW JERSEY—													
Bloomfield	.225	.230	.232	30	.509	9	.000	75	52	73	39	17	0
PENNSYLVANIA—													
Byberry (*e*)	.234	.265	.253	30	.499	27	.112	77	56	75	54	29	48
Easton	.194	.199	.203	30	.470	28	.055	71	47	64	45	14	28
Harrisburg, [Hickok]	.210	.223	.222	9	*f*. 476	27	.057	71	50	61	42	16	19
Lewisburg	.196	.200	.203	30	.457	7	.049	72	46	60	46	14	18
Murrysville	.213	.228	.248	30	.505	24	.038	70	48	74	21	9	51
Norristown	.225	.237	.224	23	*f*. 443	7	*b*. 061	74	53	64	45	13	33
Philadelphia	.238	.248	.256	23	.505	7	.089	71	49	66	45	23	36
Somerset	.250	.281	.275	9	.497	7	.100	88	67	84	55	45	60
Westtown	.231	.256	.249	23	.594	7	.078	79	59	77	42	23	36
MARYLAND—													
Annapolis	.286	.291	.317	30	.524	27	.101	83	57	75	53	28	40
Baltimore	.252	.258	.269	30	.466	7	.073	73	53	66	45	20	40
Chestertown	.255	.261	.244	22	.635	27	.086	74	56	65	37	25	32
Frederick	.243	.283	.274	10	.527	27	.103	76	60	74	47	36	53
Oakland (*a*)	.187	.176	.183	29	.410	7	.047	71	46	64	30	12	19

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 28th.
c Mean relative humidity, 53.4. For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 18th.
e For the last 15 days of the month.
f Same amount on the 30th.

No. 29.—PSYCHROMETER, APRIL, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
DISTRICT OF COLUMBIA—	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches*						
Washington	.274	.247	.282	30	.482	27	.064	78	51	67	43	18	34
VIRGINIA—													
Kanawha	.320	.401	.375	30	.745	16	.025?	85	66	86	67	9?	68
Montross	.274	.379	.284	10	.816	9	.096	75	71	71	45	39	31
Rose Hill	.302	.283	.335	30	.512	27	.094	74	57	70	51	28	55
NORTH CAROLINA—													
Murfreesborough	.420	.511	.457	10	.762	27	.216	90	78	91	81	62	67
SOUTH CAROLINA—													
All Saints	.467	.461	.486	20	*a*. 706	27	.208	85	61	83	54	37	63
Charleston, [Dawson] (*b*)													
Columbia	.345	.462	.438	10	*c*. 746	4	.157	75	59	74	34	29	46
GEORGIA—													
Athens	.359	.383	.389	12	.753	30	.000	81	57	72	39	0	32
Hillsborough	.375	.356	.356	11	.677	6	.106	78	49	63	40	11	20
Savannah	.450	.432	.457	21	.715	24	.159	80	51	74	40	24	55
FLORIDA—													
Jacksonville	.572	.651	.572	20	1.189	27	.283	85	69	85	67	51	75
ALABAMA—													
Greene Springs	.450	.496	.449	9	*d*. 900	28	.175	82	60	78	66	33	51
Greensborough	.396	.399	.402	9	.706	27	.158	81	50	70	55	26	48
Selma	.382	.510	.456	10	.800	15	.175	79	62	82	60	20	50
MISSISSIPPI—													
Columbus	.402	.413	.433	9	*l*. 691	23	.196	82	52	79	58	27	49
Paulding	.472	.477	.487	19	.772	24	.251	79	55	65	56	38	47
TEXAS—													
Austin, [Van Nostrand]	.421	.434	.431	17	.677	12	.114	74	44	64	38	17	21
Goliad	.490	.518	.535	30	.868	12	.070	79	56	77	43	8	33
Larissa	.419	.505	.463	30	.744	12	.221	83	56	75	66	38	58
TENNESSEE—													
Glenwood	.305	.300	.319	11	.626	25	.104	73	48	69	40	16	33
Memphis	.384	.379	.397	10	.745	5	.138	78	54	72	42	17	39
KENTUCKY—													
Bardstown	.325	.316	.321	10	.657	27	.123	79	51	72	49	24	34
Louisville		.299		10	.586	5	.098		53			15	
Springdale	.271	.324	.294	10	.604	26	.114	81	54	65	51	19	27
OHIO—													
Cincinnati, [Harper]	.293	.368	.306	10	.668	6	.136	76	57	65	56	29	49
Hillsborough	.241	.264	.243	19	.682	26	.068	70	53	59	43	15	32
Medina	.221	.237	.241	30	.543	6	.084	73	56	74	47	21	37
Northwood	.264	.276	.266	30	.639	6	.104	86	64	88	54	22	60
Perrysburg (*e*)	.217	.256	.236	30	.798	28	.087	70	55	71	48	30	53
Savannah	.221	.260	.226	30	.516	16	.073	73	60	71	41	17	39
Westerville	.262	.309	.294	30	.631	26	.108	80	61	77	45	25	32
MICHIGAN—													
Detroit	.181	.245	.158	22	.827	4	.071	61	59	59	15	28	22
Marquette	.165	.182	.162	29	.350	7	.000	79	72	79	45	0	43
INDIANA—													
Madison	.348	.412	.366	20	.683	24	.179	83	72	80	66	43	59
New Harmony	.314	.325	.325	11	.595	6	.082	77	51	73	26	28	43
Richmond, [Moore]	.230	.246	.236	30	.482	26	.076	68	51	60	44	24	24
ILLINOIS—													
Augusta	.250	.267	.279	30	.574	6	.111	79	57	75	50	27	43
Manchester (*e*)	.296	.383	.323	29	.772	6	.130	85	69	90	56	43	64
Peoria	.267	.269	.281	30	.647	23	.074	79	51	76	49	16	47
Wheaton	.218	.224	.213	29	.559	23	.097	78	57	72	53	25	41
MISSOURI—													
St. Louis	.281	.304	.291	30	.623	27	.095	69	47	66	40	21	37

a Same amount on the 21st and 23d.
b Mean force of vapor, .474; obtained approximately from the mean dew point.
c Same amount on the 11th.
d Same amount on the 10th.
e For changes in hours of observation, &c., see table of the thermometer for this month.

No. 29.—PSYCHROMETER, APRIL, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
WISCONSIN—													
Appleton	.186	.249	.219	29	.705	19	.048	75	67	75	38	34	15
Madison, [Sterling]	.175	.203	.194	29	.492	25	.044	71	58	65	29	25	16
Waukesha	.149	.209	.179	29	.479	3	*a*. 000	59	50	62	0	0	0
IOWA—													
Dubuque	.209	.213	.204	29	.977	23	.077	68	52	66	36	22	32
Fairfield	.206	.211	.207	30	.460	5	.058	65	45	63	30	17	31
Muscatine	.289	.316	.320	30	.685	5	*b*. 182	86	82	81	73	67	67
Sioux City	.198	.210	.218	28	.483	14	.077	78	64	74	53	23	45
KANSAS—													
Leavenworth City,[McCarty]	.283	.312	.274	30	.563	22	.134	79	61	73	45	23	49
MEXICO—													
Vera Cruz (*c*)	.712	------	.774	----	------	----	------	77	------	79	------	------	------
CALIFORNIA—													
Sacramento	.310	.367	.366	24	.581	3	.165	71	63	71	49	40	53
San Francisco	.283	.304	.304	12	.452	9	.156	70	52	76	48	33	56
WEST INDIES—													
St. George's, Bermuda (*d*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*e*)	.383	.363	.387	----	------	----	------	87.1	38.2	66.8	------	------	------
SOUTH AMERICA—													
Catharina Sophia,Surinam(*c*)	.786	.814	.803	25	*b*. 928	7	.529	89	67	79	86	56	74

a Same amount on the 4th, 17th, and 23d.
b Same amount on the 26th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m. Mean force of vapor, .523. Mean relative humidity, 85.
e Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .407; at 12 m., .330. Mean relative humidity at 9 a. m., 56.1; and at 12 m., 32.8.

No. 30.—PSYCHROMETER, MAY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches*						
BRITISH AMERICA—													
Montreal	.262	.285	.253	31	.527	2	.113	71	57	65	36	30	35
St. Martin	.261	.375	.306	31	.772	16	.140	84	66	82	59	39	53
St. Martin	.264	.378	.313	31	.759	3	.132	84	66	81	58	38	52
Toronto (*a*)	.234	.243	.242	31	.491	3	.058	74	59	74	41	17	44
Windsor	.216	.255	.225	6	.433	3	.117	79	61	75	47	30	47
MAINE—													
Gardiner	.270	.314	.283	26	.451	27	.138	80	63	85	37	35	46
Perry	.220	.219	.206	7	.395	3	.018	76	50	71	37	5	40
Portland	.247	.244	.256	7	.556	2	.075	73	56	77	43	18	45
NEW HAMPSHIRE—													
Francestown, [Bixby]	.231	.254	.236	15	.452	2	.083	66	53	67	37	19	34
VERMONT—													
Burlington	.268	.283	.279	31	.449	3	.082	76	58	77	29	26	43
St. Johnsbury	.214	.223	.244	5	.491	5	.007	66	47	75	2	6	36
MASSACHUSETTS—													
Amherst	.291	.300	.298	6	.546	2	.138	80	55	76	45	32	45
Bridgewater (*a*)	.296	.276	.312	24	.559	3	.139	82	57	81	49	21	33
Lawrence	.271	.306	.269	12	.583	16	.112	81	60	76	40	27	34
Nantucket	.263	.238	.269	12	.391	17	.034	72	57	80	42	31	65
New Bedford	.282	.294	.288	15	.451	15	.150	79	62	82	43	26	47
Westfield	.264	.277	.294	6	.500	2	.122	75	51	75	48	23	36
Worcester	.263	.264	.277	15	.708	2	.048	76	55	72	14	19	15
RHODE ISLAND—													
Providence (*a* & *b*)													
CONNECTICUT—													
Pomfret	.331	.362	.314	15	.522	13	.164	87	70	86	57	30	60
Wallingford	.281	.313	.290	6	*c*.476	3	.147	80	59	79	48	35	45
NEW YORK—													
Bellport	.288	.319	.295	24	.673	17	.117	74	71	81	54	31	45
Buffalo (*a*)	.250	.299	.287	31	.505	16	.117	72	68	72	38	30	46
Clinton	.246	.270	.249	31	.465	3	.102	65	50	64	32	20	41
Fordham	.248	.271	.272	6	.451	24	.004	65	54	68	28	0	26
Fort Edward	.286	.299	.324	31	.516	3	.096	77	60	82	45	30	51
New York city	.292	.328	.308	15	.522	3	.120	70	62	71	36	29	23
Waterford	.298	.328	.314	9	.537	3	.144	77	60	75	34	33	49
NEW JERSEY—													
Bloomfield	.319	.356	.316	14	.588	2	.074	81	67	79	51	32	25
PENNSYLVANIA—													
Easton	.276	.322	.320	15	.536	16	.137	76	62	75	43	28	48
Harrisburg, [Hickok]	.315	.349	.345	8	.586	21	.135	75	62	74	45	24	21
Lewisburg	.296	.318	.313	15	.553	16	.083	74	58	72	29	24	38
Mount Joy	.393	.492	.461	1	.725	23	.270	81	77	81	72	63	69
Murrysville	.320	.357	.354	30	.617	11	.129	68	57	80	35	27	62
Norristown	.311	.338	.331	16	.537	3	.146	79	65	76	47	33	56
Philadelphia	.330	.366	.352	24	.691	3	.186	75	59	72	49	26	50
Somerset	.335	.388	.361	31	.662	29	.195	86	72	86	64	48	65
Westtown	.346	.391	.358	25	.583	3	.150	84	70	84	45	37	49
MARYLAND—													
Annapolis	.408	.424	.431	17	.628	22	.209	76	70	82	63	32	58
Baltimore	.364	.383	.391	24	.628	22	.189	77	64	77	43	29	45
Chestertown	.363	.367	.352	15	.574	28	.135	75	61	73	47	28	28
Frederick	.382	.426	.401	24	.667	21	.140	81	71	84	35	36	28
Oakland	.300	.339	.252	17	*d*.543	2	.087	73	64	63	43	17	12
DISTRICT OF COLUMBIA—													
Washington	.384	.379	.393	15	.612	21	.152	78	61	75	52	25	40
VIRGINIA—													
Kanawha	.433	.544	.475	31	.832	12	.296	83	75	88	77	55	73
Montross	.384	.480	.403	1	.942	23	.181	76	65	77	43	35	49
Rose Hill (*a*)	.413	.443	.454	18	.677	3	.215	82	67	77	52	35	59

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity for the month, 61.

c Same amount on the 24th.

d Same amount on the 25th.

No. 30.—PSYCHROMETER, MAY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches*		*Inches*						
NORTH CAROLINA—													
Murfreesborough	.528	.636	.575	14	.895	4	.375	88	79	88	80	66	77
SOUTH CAROLINA—													
All Saints	.550	.583	.593	26	.863	22	.299	81	62	80	52	39	47
Charleston, [Dawson] (*a*)	------	------	------	----	------	----	------	----	----	----	----	----	----
Columbia	.477	.660	.594	16	1.174	13	.255	76	61	74	42	36	56
St. John's	.544	.606	.570	18	.772	21	.270	78	60	84	47	43	66
GEORGIA—													
Athens	.453	.437	.448	30	.687	13	.026	72	47	67	33	3	21
Hillsborough	.486	.457	.466	31	.806	22	.204	76	44	63	53	22	34
Savannah	.591	.574	.603	26	.848	21	.313	87	53	77	46	31	46
FLORIDA—													
Jacksonville	.710	.740	.703	25	.950	7	.502	86	66	87	73	53	75
ALABAMA—													
Carlowville	.399	.868	.439	26	1.366	22	*b*.176	70	75	68	43	61	27
Greene Springs	.548	.629	.551	31	.891	12	.302	85	59	79	71	35	47
Greensborough	.535	.485	.551	29	.849	12	.258	85	49	79	61	26	52
Selma	.482	.483	.528	30	.641	22	.312	73	45	74	56	28	52
MISSISSIPPI—													
Columbus	.552	.570	.580	29	.885	21	.321	83	57	84	62	32	56
Paulding	.621	.615	.629	28	.903	11	.362	84	60	70	53	38	45
TEXAS—													
Austin, [Van Nostrand]	.592	.583	.602	29	.918	10	.275	83	56	75	65	24	62
Goliad	.684	.699	.731	25	.942	4	.226	88	64	89	76	40	79
Larissa	.588	.676	.634	28	.908	11	.361	88	66	85	64	49	59
TENNESSEE—													
Glenwood	.465	.469	.489	31	.820	12	.225	84	58	82	66	32	56
Memphis	.548	.514	.554	29	.873	20	.293	86	64	81	63	36	52
KENTUCKY—													
Bardstown	.465	.471	.458	30	.802	22	.136	82	57	80	64	19	57
Louisville (*c*)	------	.487	------	17	.870	12	.316	------	67	------	------	41	------
Springdale	.367	.532	.478	22	1.151	11	.157	84	66	80	53	40	64
OHIO—													
Cincinnati, [Harper]	.414	.495	.439	23	.792	11	.241	79	64	78	62	41	57
Cincinnati, [Hurtt]	.359	.470	.384	30	.800	2	.118	73	63	75	48	32	34
Hillsborough	.355	.374	.361	31	.656	21	.157	78	61	73	50	33	38
Medina	.332	.355	.329	31	.686	14	.177	78	65	80	51	32	52
Northwood	.330	.371	.365	23	.685	10	.110	88	64	93	65	14	46
Savannah	.326	.368	.336	30	.772	16	.126	79	61	81	49	28	50
Westerville	.344	.389	.374	31	.695	12	.196	80	61	78	64	35	57
MICHIGAN—													
Detroit	.276	.382	.273	30	.823	16	.113	65	66	66	29	38	32
Marquette	.223	.260	.216	31	.485	21	.096	79	71	80	36	31	56
INDIANA—													
Madison	.466	.517	.469	31	.790	18	.269	83	73	83	67	56	64
New Harmony	.457	.515	.484	17	.936	11	.265	84	67	84	68	46	63
Richmond, [Moore]	.352	.344	.335	31	.663	21	.139	79	56	71	62	26	39
ILLINOIS—													
Augusta	.379	.428	.389	30	.799	15	.157	87	73	83	50	44	56
Manchester (*c*)	.434	.530	.431	30	1.023	1	*d*.241	94	84	92	67	61	78
Peoria	.386	.412	.425	27	.686	15	.162	82	63	87	45	35	64
Wheaton	.307	.335	.312	30	.571	16	.117	78	65	78	39	26	55
MISSOURI—													
St. Louis	.414	.442	.422	30	.847	11	.190	76	59	75	44	36	50
WISCONSIN—													
Appleton	.272	.324	.295	28	.732	16	.025	75	59	76	9	27	36
Madison, [Sterling]	.276	.293	.279	28	.549	17	.090	70	59	72	28	21	31
Waukesha	.220	.253	.249	24	.577	29	.000	61	47	66	0	0	34
IOWA—													
Dubuque	.307	.308	.297	23	.592	4	.073	71	56	68	21	20	22
Fairfield	.319	.313	.314	27	.617	2	.113	73	57	71	54	27	53

a Mean force of vapor, .626; obtained approximately from the mean dew point.
b Same amount on the 23d.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 2d.

No. 30.—PSYCHROMETER, MAY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches	*Inches.*	*Inches.*		*Inches*		*Inches*						
Iowa—Continued.													
Muscatine	.423	.452	.471	27	.772	2	.260	89	88	89	81	69	75
Sioux City	.291	.324	.307	27	.577	15	.124	77	55	80	43	27	57
Minnesota—													
Wabashaw	.275	.418	.308	28	.717	2	.113	69	65	67	42	32	37
Kansas—													
Leavenworth City, [McCarty]	.406	.457	.409	29	.735	11	.225	83	65	81	56	44	49
Mexico—													
Vera Cruz (*a*)	.838	------	.853	----	------	----	------	78	80	------	------	------	------
California—													
Sacramento	.341	.385	.382	2	.489	5	.263	66	54	66	43	30	36
San Francisco	.307	.326	.321	19	.449	6	.163	71	52	78	23	33	33
Central America—													
Guatemala (*b*)	.477	.442	.511	----	------	----	------	94.3	51.0	85.5	------	------	------
South America—													
Catharina Sophia, Surinam(*a*)	.789	.894	.849	15	1.083	7	*c*.693	90	75	82	82	62	57

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Observations taken at 6 a. m., 9 a. m , 12 m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .420, at 12 m., .470. Mean relative humidity at 9 a. m., 56 8, and at 12 m., 51.2.
c Same amount on the 4th.

No. 31.—PSYCHROMETER, JUNE, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.453	.511	.461	25	.997	12	.242	72	61	71	49	31	48
St. Martin	.434	.613	.507	26	1.256	12	.210	80	62	84	58	44	62
St. Martin	.433	.607	.514	26	1.253	12	.216	78	64	82	46	35	60
Toronto (*a*)	.437	.507	.444	27	.858	12	.220	75	60	73	54	34	53
Windsor	.400	.467	.402	7	.691	1	.241	84	67	82	69	42	68
MAINE—													
Gardiner	.474	.571	.476	27	.923	3	.262	87	73	89	62	43	66
Perry	.370	.387	.340	18	.691	1	.140	82	59	77	42	25	34
Portland	.425	.439	.405	28	.789	12	.236	78	61	76	51	31	34
VERMONT—													
Burlington	.474	.479	.480	27	.870	12	.232	73	58	74	53	30	45
St. Johnsbury	.408	.466	.443	30	.955	12	.202	79	55	82	54	24	46
MASSACHUSETTS—													
Amherst	.522	.571	.527	26	1.127	3	.251	81	63	76	58	26	46
Bridgewater (*a*)	.493	.559	.513	28	.874	4	.130	88	64	80	43	33	34
Lawrence	.469	.557	.479	27	1.038	1	.269	86	60	79	68	34	57
Nantucket	.428	.414	.431	30	.697	1	.198	78	61	81	43	39	61
New Bedford	.477	.523	.491	25	.916	1	.224	85	64	87	56	26	50
Newburyport	.463	.490	.450	28	.857	3	.277	82	62	84	58	33	48
Westfield	.480	.494	.532	25	.849	23	.219	83	56	81	36	28	52
Worcester	.491	.527	.494	26	.875	2	.205	79	57	76	50	36	33
RHODE ISLAND—													
Providence (*b*)													
CONNECTICUT—													
Pomfret	.541	.619	.545	26	.936	12	.300	89	74	89	67	45	64
Wallingford	.519	.545	.499	25	.814	2	.292	86	57	81	65	30	50
NEW YORK—													
Bellport	.490	.560	.520	26	*c*.882	19	.237	79	74	85	30	47	61
Buffalo (*a*)	.504	.518	.516	25	.812	15	.218	78	70	77	57	33	57
Clinton	.494	.523	.492	27	.782	8	.221	72	53	73	44	28	48
Fordham	.590	.587	.550	20	.928	2	.183	75	55	80	51	20	50
Fort Edward	.515	.630	.548	25	1.189	3	.299	80	68	79	59	39	46
New York city	.541	.570	.559	25	*c*.841	2	.160	67	55	70	36	36	48
Waterford	.557	.620	.600	26	1.108	12	.328	82	64	78	64	38	61
NEW JERSEY—													
Bloomfield	.613	.682	.592	26	.940	16	.282	82	64	86	56	34	58
PENNSYLVANIA—													
Easton	.534	.523	.551	28	.768	3	.246	78	54	78	56	26	53
Harrisburg, [Hickok]	.568	.586	.628	21	.800	2	.270	80	55	78	56	32	66
Lewisburg	.557	.583	.570	6	.942	2	.195	77	57	80	51	22	62
Mount Joy	.637	.770	.742	26	1.003	2	.382	83	71	83	74	44	75
Murrysville	.550	.570	.573	28	.976	13	.216	77	55	87	51	31	73
Norristown	.570	.618	.594	26	.874	3	.305	83	63	81	49	34	60
Philadelphia	.606	.627	.641	28	.934	3	.361	72	55	72	49	31	57
Somerset	.543	.629	.546	25	.850	15	.322	90	63	88	75	44	76
Westtown	.637	.695	.646	25	.990	12	.382	85	68	86	61	46	58
MARYLAND—													
Annapolis	.667	.677	.736	29	.976	14	.456	86	63	80	76	40	70
Baltimore	.580	.618	.650	28	.819	14	.350	76	59	76	60	33	57
Chestertown	.632	.623	.634	22	1.138	2	.354	78	59	76	55	28	48
Frederick	.625	.680	.652	8	1.051	2	.396	78	66	82	50	48	56
Oakland	.423	.497	.382	18	.886	2	.165	69	55	72	36	22	26
DISTRICT OF COLUMBIA—													
Washington	.628	.633	.623	29	.923	14	.367	79	57	72	64	41	48
VIRGINIA—													
Kanawha	.658	.804	.712	29	1.076	15	.354	93	78	93	82	65	82
Montross	.626	.741	.668	29	1.459	14	.352	78	69	83	57	47	73
Rose Hill (*a*)	.651	.639	.707	30	.879	14	.399	82	63	76	67	46	64

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity, 65.6. For changes in hours of observation, &c., see table of the thermometer for this month.

c Same amount on the 28th.

No. 31.—PSYCHROMETER, JUNE, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
NORTH CAROLINA—	*Inches*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
Murfreesborough	.777	.878	.801	11	1.165	13	.543	89	79	89	81	61	78
SOUTH CAROLINA—													
All Saints	.761	.806	.777	29	.983	16	.577	87	77	72	73	64	70
Charleston, [Dawson] (*a*)													
Columbia	.742	.862	.771	1	1.372	14	.510	88	70	85	75	41	62
St. John's	.687	.675	.690	30	.841	16	.501	86	63	85	76	46	65
GEORGIA—													
Athens	.629	.629	.645	27	.813	13	.171	84	58	80	74	20	60
Hillsborough	.649	.621	.640	28	.848	14	.389	83	52	74	72	30	58
Savannah	.764	.748	.763	7	.868	14	.462	85	62	82	71	39	75
FLORIDA—													
Jacksonville	.831	.881	.841	30	1.024	19	.556	89	75	89	66	40	78
Micanopy	.869	1.012	.906	26	1.215	15	.708	98	76	95	82	56	84
ALABAMA—													
Greene Springs	.742	.804	.717	3	1.228	16	.421	85	65	84	71	39	67
Greensborough	.681	.654	.695	8	.869	15	.360	86	62	85	75	41	73
Selma	.640	.583	.660	30	.758	19	.416	77	49	79	62	29	53
MISSISSIPPI—													
Columbus	.718	.764	.763	27	.974	13	.431	88	61	88	80	43	75
Paulding	.676	.675	.690	7	.916	14	.483	84	71	85	67	47	55
TEXAS—													
Austin, [Van Nostrand]	.692	.624	.665	23	.827	13	.423	80	51	73	54	37	57
Goliad	.735	.762	.782	1	.870	23	.373	86	57	83	71	50	72
Larissa	.719	.779	.746	30	.951	13	.438	79	55	85	56	39	75
TENNESSEE—													
Glenwood	.619	.652	.665	29	.892	13	.335	89	63	89	71	48	73
Memphis	.718	.676	.746	27	.950	13	.390	83	59	84	67	39	57
KENTUCKY—													
Bardstown	.635	.678	.666	23	.956	14	.316	80	60	84	57	49	71
Louisville (*b*)		.634		24	*c*.882	13	.346		60			45	
Springdale	.505	.780	.702	30	1.200	16	.139	91	69	87	39	46	56
OHIO—													
Bowling Green	.624	.681	.622	27	.915	18	.284	75	54	81	59	40	62
Cincinnati, [Harper]	.631	.707	687	30	1.003	13	.350	82	63	78	54	46	62
Cincinnati, [Hurtt]	.577	.630	.615	19	1.033	14	.290	75	58	76	42	35	56
Hillsborough	.567	.553	.580	28	.827	1	.318	81	57	74	60	40	48
Medina	.579	.570	.556	21	.927	2	232	79	61	86	65	34	71
Northwood	.561	.608	.550	18	1.201	13	.283	81	56	93	59	38	62
Savannah	.583	.537	.571	26	.841	1	.237	82	53	89	67	30	73
Westerville	.609	.662	.640	24	1.296	13	.334	83	62	85	46	44	72
MICHIGAN—													
Detroit	.456	.568	.472	30	.875	12	.176	60	47	56	28	22	37
Marquette	.365	.425	.347	26	.846	11	.142	75	62	76	40	19	51
INDIANA—													
Madison	.683	.757	.749	27	1.311	13	.394	85	72	84	69	57	52
Michigan City	.532	.518	.525	27	.854	13	.216	77	56	80	48	28	75
New Harmony	.696	.730	.702	27	.969	12	.362	83	69	88	70	55	83
Richmond	.552	.544	.562	27	.772	1	.238	77	54	79	51	29	43
ILLINOIS—													
Augusta	.616	.649	.615	17	.915	12	.302	89	68	83	77	46	60
Manchester (*b*)	.654	.805	.634	25	1.087	12	.335	91	77	93	77	48	79
Peoria	.632	.637	.658	26	1.073	13	.246	79	53	80	64	26	58
Upper Alton	.684	.845	.663	28	1.060	12	.283	87	85	88	75	69	69
Wheaton	.552	.562	.534	28	.882	11	.216	77	57	79	42	36	61
MISSOURI—													
St Louis	.641	.673	.651	27	.886	12	.315	75	63	77	58	43	60
WISCONSIN—													
Appleton	.574	.689	.582	23	1.352	12	.247	83	64	82	61	34	54
Madison	.525	.522	.555	29	.850	1	.152	67	53	78	29	26	48
Waukesha	.455	.400	.467	27	.800	6	*d* 000	65	37	69	32	0	26

a Mean force of vapor, .823; obtained approximately from the mean dew point.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 25 h.
d Same amount on the 14th.

No. 31.—PSYCHROMETER, JUNE, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
IOWA—													
Dubuque	.538	.513	.558	28	.856	12	.190	72	50	72	43	28	54
Fairfield	.537	.533	.530	30	.802	11	.259	67	55	73	51	33	48
Muscatine	.702	.777	.758	27	1.074*a*	14	.404	89	88	90	80	72	79
Sioux City	.522	.573	.526	25	.908	5	.000	78	59	74	39	0	37
MINNESOTA—													
Wabashaw	.491	.627	.492	29	1.368	11	.117	73	60	92	53	26	32
KANSAS—													
Lawrence	.615	.660	.713	30	.955	15	.190	75	68	80	29	54	66
Leavenworth City, [McCarty]	.621	.702	.635	24	.969	4	.308	78	63	84	59	46	67
MEXICO—													
Vera Cruz (*b*)	.882	.....	.921	....	.....	....	.....	82	.....	84	.....	.....	.....
CALIFORNIA—													
Sacramento	.380	.439	.423	7	.577	30	.230	63	53	63	38	22	38
San Francisco	.334	.345	.347	15	.433	25	.181	73	55	80	53	22	58
CENTRAL AMERICA—													
Guatemala (*c*)	.485	.482	.527	....	.....	....	.....	96.5	62.6	93.4	.....	.....	.....
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*b*)	.794	.887	.868	1	.950	18	.719	91	78	86	86	68	79

a Same amount on the 30th.

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Observations taken at 6 and 9 a. m., 12 m., 3 and 9 p. m. Mean force of vapor at 9 a. m., .466; at 12 m., .513. Mean relative humidity at 9 a. m., 63.5, and at 12 m., 58.6.

No. 32.—PSYCHROMETER, JULY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal	.473	.506	.467	3	.802	24	.242	77	63	76	46	37	48
St. Martin	.481	.630	.528	7	1.304	26	.269	88	73	89	71	47	67
St. Martin	.483	.644	.533	3	.952	1	.263	88	71	90	70	36	64
Toronto (*a*)	.456	.514	.470	10	.814	27	.231	77	62	74	49	20	45
Windsor	.457	.538	.464	14	.923	1	.295	87	72	86	68	48	62
MAINE—													
Gardiner	.525	.568	.532	7	1.101	26	.234	89	73	90	49	31	50
Perry	.390	.424	.402	14	.744	1	.143	81	65	83	26	22	25
Portland	.494	.526	.506	11	.836	1	.165	79	67	84	41	22	47
Steuben	.431	.455	.403	17	.706	1	.097	79	70	83	35	13	29
VERMONT—													
Burlington	.493	.525	.494	3	.800	1	.176	80	67	78	54	27	57
St. Johnsbury	.408	.464	------	10	.733	1	.181	82	56	------	43	15	------
MASSACHUSETTS—													
Amherst	.526	.532	.537	10	.849	1	.223	82	56	76	47	33	38
Bridgewater (*a*)	.582	.614	.609	11	1.002	1	.211	88	68	86	48	28	43
Lawrence	.506	.553	.549	10	.843	1	.219	86	62	82	54	23	44
Nantucket	.504	.531	.532	14	.758	1	.182	72	63	86	32	33	65
New Bedford	.554	.592	.587	11	.853	1	.183	86	69	91	48	27	62
Newburyport (*a*)	.519	.500	.510	10	.743	28	.115	84	63	85	53	24	53
Westfield	.500	.504	.566	17	.825	1	.183	85	53	83	53	27	63
Worcester	.524	.565	.542	10	.821	1	.178	81	62	81	37	37	43
RHODE ISLAND—													
Providence (*b*)	----	---	-----	---	-----	---	-----	-----	-----	-----	-----	-----	-----
CONNECTICUT—													
Pomfret	.559	.622	.585	12	.856	1	.327	92	78	91	65	57	73
Wallingford	.539	.577	.559	11	.887	1	.163	88	60	83	58	23	62
NEW YORK—													
Bellport	.568	.632	.592	17	.950	25	.136	77	74	84	56	54	36
Buffalo (*a*)	.521	.529	.570	2	.799	19	.291	73	60	74	52	31	52
Clinton	.527	.495	.510	9	.832	1	.247	72	47	75	56	26	52
Fordham	.550	.589	.586	10	1.046	23	.280	72	58	78	49	29	51
Fort Edward	.570	.651	.610	3	1.044	23	.423	85	72	86	69	52	64
New York city	.566	.556	.573	3	.870	1	.277	66	53	64	40	33	46
Spencertown	.493	.605	.475	3	.900	24	.282	77	71	80	53	48	60
Waterford	.517	.579	.576	11	.870	18	.350	79	53	79	59	41	54
NEW JERSEY—													
Bloomfield	.648	.712	.641	29	1.111	20	.425	90	63	86	80	46	62
PENNSYLVANIA—													
Berwick	.631	.686	.667	31	.891	24	.449	84	63	85	52	45	68
Chambersburg	.688	.704	.752	3	.976	8	.476*c*	82	69	76	65	49	46
Easton	.567	.542	.572	13	.884	24	.254	81	52	76	44	27	48
Harrisburg, [Hickok]	.567	.527	.645	3	.850	24	.271	76	47	72	57	28	45
Lewisburg	.561	.554	.567	3	.912	24	.250	74	52	74	55	26	45
Mount Joy	.657	.742	.748	11	1.033	24	.382	80	65	79	40	43	59
Murrysville	.554	.573	.553	1	.969*d*	24	.264	72	51	78	41	27	56
Norristown	.571	.611	.604	29	1.019	24	.296	78	59	77	53	27	49
Philadelphia	.632	.615	.657	3	.975	19	.368	72	50	69	45	32	52
Pottsville	.624	.699	.601	11	.914	24	.413	70	61	79	41	41	69
Somerset	.586	.684	.580	3	.887	24	.399	87	61	84	72	42	70
Westtown	.650	.665	.652	10	1.148	24	.383	86	59	82	57	37	55
MARYLAND—													
Annapolis	.694	.647	.719	11	.955	24	.382	82	59	70	54	37	56
Baltimore (*e*)	.599	.608	.643	12	.920	25	.336	71	52	67	49	35	45
Chestertown	.624	.549	.625	3	.970*f*	24	.309	68	50	69	46	30	47
Frederick	.633	.663	.662	5	.931	7	.390	75	60	75	60	36	57
DISTRICT OF COLUMBIA—													
Washington	.672	.636	.673	3	.891	6	.358	78	57	71	66	38	46

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation &c., see table of the thermometer for this month.

b Mean relative humidity, 70.5. For changes in hours of observation, &c., see table of the thermometer for this month.

c Same amount on the 24th.

d Same amount on the 3d.

e Observations interrupted from the 19th to the 24th, inclusive.

f Same amount on the 4th.

No. 32.—PSYCHROMETER, JULY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
VIRGINIA—													
Kanawha	.739	.916	.777	28	1.097	8	.549	93	78	94	88	68	86
Montross	.662	.749	.679	29	1.029	7	.417	78	61	78	62	41	62
Rose Hill (*a*)	.708	.667	.685	2	.897	7	.439	85	64	74	74	47	64
NORTH CAROLINA—													
Murfreesborough	.818	.962	.871	22	1.255	7	.635	89	78	88	81	74	57
SOUTH CAROLINA—													
All Saints	.807	.855	.839	21	1.074	26	.595	85	75	82	67	59	68
Columbia	.734	.731	.765	1	.909	26	.410	86	59	76	77	36	57
Charleston, [Dawson] (*b*)													
St. John's	.753	.726	.772	30	.873	26	.460	88	64	89	74	42	75
GEORGIA—													
Athens	.701	.709	.724	11	.874	7	.511	86	64	85	68	44	61
Savannah	.815	.821	.832	5	1.001	2	.648	87	65	85	65	41	58
FLORIDA—													
Jacksonville	.873	.985	.897	1	1.282	15	.799	87	78	86	74	56	73
Micanopy	.946	1.073	.969	21	1.228*c*	14	.839	99	82	96	95	48	88
ALABAMA—													
Carlowville	.681	.986	.732	23	1.548*d*	16	.409	76	70	77	49	38	43
Greene Springs	.805	.899	.797	21	1.255	14	.623	86	70	85	74	43	61
Greensborough	.747	.688	.750	5	.900*e*	14	.433	84	55	80	67	31	60
Selma	.670	.566	.657	6	.758	27	.451	71	44	70	38	30	40
MISSISSIPPI—													
Columbus	.786	.812	.822	23	.964	14	.572	88	61	88	77	41	75
Paulding	.812	.846	.874	6	.983	8	.638	86	66	78	70	46	59
TEXAS—													
Austin, [Van Nostrand]	.772	.631	.704	5	.853	27	.407	74	43	64	54	25	47
Goliad	.845	.757	.831	30	.990	24	.556	87	51	82	55	34	74
Larissa	.833	.899	.839	8	1.042	26	.745*f*	85	61	81	65	46	65
TENNESSEE—													
Glenwood	.720	.745	.755	22	.886	13	.494	91	66	90	84	46	82
Memphis	.828	.800	.844	5	1.010	15	.582	82	62	85	69	41	66
KENTUCKY—													
Bardstown	.712	.705	.710	3	.929	23	.338	80	59	78	61	31	25
Louisville (*a*)		.689		2	.948	13	.438		57			41	
Springdale (*a*)	.591	.776	.728	2	1.058	14	.378	94	60	81	81	41	34
OHIO—													
Bowling Green	.592	.656	.608	2	.864	24	.345	76	60	82	67	39	66
Cincinnati, [Harper]	.707	.766	.760	3	1.138	24	.345	74	63	70	42	49	54
Hillsborough	.606	.593	.599	3	.827	8	.363	82	56	69	56	31	45
Medina	.611	.618	.607	3	.827	24	.363	79	60	85	44	43	68
Northwood (*a*)	.726	.858	.800	16	1.023	24	.529	87	71	93	75	57	66
Savannah	.628	.637	.633	17	.854	25	.425	79	59	89	62	39	73
Westerville	.681	.740	.673	3	1.396	24	.429	83	60	80	64	38	51
MICHIGAN—													
Detroit	.460	.328	.497	6	.929	24	.217	57	50	62	37	32	41
Forestville (*g*)	.447	.524	.490										
Marquette	.398	.460	.391	7	.799	13	.211	76	61	82	53	24	46
INDIANA—													
Madison	.781	.845	.839	22	1.187	14	.599	83	66	83	73	49	69
Michigan City	.589	.582	.573	1	.836	24	.382	82	61	79	63	39	59
New Harmony	.788	.842	.827	3	1.097	24	.501	82	68	89	51	48	83
Richmond, [Moore]	.583	.557	.592	3	.814	24	.346	76	51	77	58	34	57
ILLINOIS—													
Augusta	.681	.750	.706	27	.983	12	.414	90	66	87	77	36	71
Manchester (*a*)	.721	.876	.775	1	1.111	24	.438	91	78	95	62	63	79
Peoria	.681	.738	.710	2	1.075	23	.261	82	59	83	61	37	38
Upper Alton	.746	.890	.755	31	1.111	24	.456	89	77	87	72	45	73
Wheaton	.568	.573	.559	1	.884	23	.216	80	56	80	44	30	67

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Mean force of vapor .887; obtained approximately from the mean dew point.
c Same amount on the 22d and 23d.
d Same amount on the 31st.
e Same amount on the 21st.
f Same amount on the 29th.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .516. Mean relative humidity at 9 a. m., .67.

No. 32.—PSYCHROMETER, JULY, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
MISSOURI—													
St. Louis	.723	.765	.748	2	.917	12	.436	74	57	74	58	41	64
WISCONSIN—													
Appleton	.566	.768	.580	6	1.310	7	.264	82	71	83	55	35	63
Madison (*a*)	.354	.544	.532	16	.816	12	.301	66	57	69	46	39	49
Waukesha	.493	.580	.488	2	.829*b*	13	.264	68	54	69	42	27	39
IOWA—													
Dubuque	.556	.587	.608	6	1.037	3	.366	75	59	79	50	35	63
Fairfield	.599	.622	.610	31	.904	12	.349	72	58	75	51	42	59
Muscatine	.718	.810	.786	7	1.051	13	.510	87	85	87	76	65	77
Sioux City	.601	.703	.618	18	.983	11	.304	84	70	85	55	43	75
MINNESOTA—													
Wabashaw	.541	.760	.567	7	1.135	12	.336	78	73	80	53	59	66
KANSAS—													
Lawrence	.746	.805	.800	9	1.111	7	.504	78	70	76	70	39	57
Leavenworth City, [McCarty]	.729	.825	.740	15	1.023	3	.523*c*	78	64	84	58	48	69
MEXICO—													
Vera Cruz (*a*)	.852	------	.890	----	------	----	------	82	------	83	------	------	------
CALIFORNIA—													
Sacramento	.409	.458	.440	9	.689	17	.325	65	52	63	46	21	46
San Francisco	.670	.671	.697	12	.423	5	.295	76	54	84	60	29	70
CENTRAL AMERICA—													
Guatemala (*d*)	.466	.441	.502	----	------	----	------	97.6	56.8	91.2	------	------	------
SOUTH AMERICA—													
Caracas, Venezuela	.588	.537	.620	23	.699	5	.396	81	54	80	75	38	76
Catharina Sophia, Surinam (*a*)	.783	.933	.916	21	1.010	2	.680*e*	88	76	90	81	60	87

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 9th.
c Same amount on the 12th.
d Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .459; at 12 m., .441. Mean relative humidity at 9 a. m., 66.5, and at 12 m., 55.7.
e Same amount on the 7th.

No. 33.—PSYCHROMETER, AUGUST, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.442	.481	.486	18	.977	23	.255	78	62	77	51	32	56
St. Martin (*a*)	.440	.646	.529	14	.992	23	.240	88	69	90	68	57	68
Toronto (*a*)	.446	.505	.478	9	.702	23	.176	79	59	75	67	28	50
Windsor	.478	.537	.502	10	.853	24	.278	93	74	92	81	54	81
MAINE—													
Perry	.435	.493	.431	11	.725	24	.257	92	76	91	66	48	71
Portland	.480	.496	.488	18	.731	23	.143	82	67	86	21.5	36	53
Steuben	.459	.475	.426	8	.883	24	.131	90	75	89	71	38	29
VERMONT—													
Burlington	.468	.492	.495	9	.711	23	.204	81	63	82	62	41	57
MASSACHUSETTS—													
Amherst (*a*)	.454	.498	.492	....	?	....	?	85	58	80	.....	.....	.....
Cambridge	.....	.....	.....	.....	.....	.....	.....	86	75	79	77	63	65
Lawrence	.472	.545	.502	17	.787	23	.231	90	67	85	69	39	61
Nantucket	.515	.513	.508	29	.695	21	.293	81	66	83	57	35	52
New Bedford	.544	.562	.539	16	*b*. 751	23	.263	91	73	91	69	47	64
Newburyport (*a*)	.465	.550	.476	....	?	....	?	85	73	89	?	?	?
Westfield	.472	.498	.518	30	.740	23	.194	87	61	87	62	34	59
Worcester	.499	.515	.514	18	.733	23	.240	86	64	86	56	40	63
CONNECTICUT—													
Pomfret	.521	.586	.531	17	.839	23	.242	94	79	92	73	45	71
Wallingford	.505	.538	.527	18	.816	23	.223	92	62	85	75	30	61
RHODE ISLAND—													
Providence (*c*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW YORK—													
Bellport	.541	.587	.547	18	.799	24	.269	82	73	85	62	50	35
Buffalo (*a*)	.510	.516	.546	10	.841	19	.282	75	65	74	51	41	56
Clinton	.469	.437	.460	28	.666	23	.189	71	47	74	59	30	57
Fordham	.562	.503	.535	5	.891	23	.216	78	55	77	52	26	43
Fort Edward	.492	.557	.513	11	.832	20	*d*. 309	85	64	84	73	38	69
New York city	.531	.524	.552	17	.782	23	.240	71	56	68	48	33	44
Waterford	.507	.541	.535	6	.745	20	*d*. 282	82	61	80	67	46	55
NEW JERSEY—													
Bloomfield	.554	.653	.592	18	.904	24	.304	88	67	90	66	38	57
PENNSYLVANIA—													
Berwick	.557	.658	.599	11	.970	19	*e*. 362	90	71	88	73	55	66
Chambersburg	.663	.647	.690	5	*f*. 891	24	.337	80	71	77	57	51	45
Easton	.520	.479	.504	28	.826	24	.206	84	54	79	73	28	37
Harrisburg, [Hickok]	.520	.507	.559	11	.816	23	.190	80	53	74	56	27	37
Lewisburg	.513	.511	.522	4	.755	23	.252	82	55	77	53	26	46
Mount Joy	.603	.722	.694	11	.942	24	.350	84	73	82	72	54	72
Murrysville	.455	.472	.481	5	.868	23	.183	70	47	73	47	23	43
Norristown	.545	.559	.562	4	.758	23	.282	84	60	78	68	41	58
Philadelphia	.589	.583	.605	18	.864	23	.319	78	55	71	63	37	45
Somerset	.516	.576	.541	5	.877	29	.215	88	58	84	75	37	68
Westtown	.599	.625	.606	5	.936	23	.321	88	64	89	71	48	75
MARYLAND—													
Annapolis	.634	.629	.676	4	.989	23	.327	85	59	75	70	39	54
Frederick	.599	.667	.643	17	.974	24	.321	85	66	84	61	48	63
DISTRICT OF COLUMBIA—													
Washington	.632	.601	.626	4	*b*. 882	23	.234	80	57	73	59	32	56
VIRGINIA—													
Kanawha	.680	.859	.704	6	1.111	24	.452	92	79	95	87	68	87
Montross	.484	.651	.536	5	1.160	23	.124	62	57	66	31	16	44
Rose Hill (*a*)	.624	.652	.620	2	.846	8	.190	77	59	66	53	41	21
NORTH CAROLINA—													
Murfreesborough	.743	.929	.792	2	1.400	24	.436	88	78	81	77	62	72

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 18th.
c Mean relative humidity, 72.2. For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 24th.
e Same amount on the 24th and 25th.
f Same amount on the 11th.

No. 33.—PSYCHROMETER, AUGUST, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
All Saints	.815	.856	.822	22	1.111	9	.523	86	74	81	68	50	51
Charleston, [Dawson] (*a*)													
Columbia	.695	.744	.751	7	1.296	31	.429	82	58	77	50	33	55
St. John's	.753	.719	.757	19	.969	23	.524	89	63	87	61	36	66
Georgia—													
Athens	.635	.622	.663	6	1.181	30	.381	81	53	78	55	33	57
Savannah	.814	.794	.814	4	.978	30	.465	89	67	85	75	41	70
Florida—													
Jacksonville	.895	.993	.912	24	1.124	26	.745	90	79	89	79	62	79
Micanopy	.936	1.206	.990	3	1.386	17	*b*.812	100	81	99	95	78	91
Alabama—													
Carlowville	.710	1.030	.764	10	1.410	30	*c*.394	80	76	86	65	60	73
Selma	.621	.471	.624	25	.706	31	.180	71	36	70	55	16	39
Mississippi—													
Columbus	.711	.725	.715	2	.944	30	.433	88	54	84	75	42	65
Paulding	.774	.811	.800	22	.992	29	.516	87	67	78	67	54	62
Texas—													
Austin, [Van Nostrand]	.704	.526	.610	12	.805	28	.234	71	33	57	42	21	23
Goliad	.823	.680	.786	25	.955	29	.367	84	47	75	67	27	66
Larissa	.768	.804	.766	14	.915	29	.446	85	52	75	77	37	50
Tennessee—													
Glenwood	.644	.654	.674	5	.899	30	.365	88	59	87	62	36	68
Memphis	.739	.721	.749	7	*d*.969	28	.416	85	60	84	74	44	60
Kentucky—													
Bardstown	.656	.668	.665	6	.963	23	.342	84	58	84	65	40	59
Louisville (*e*)		.625		6	.836	23	.331		56			39	
Springdale (*e*)	.543	.723	.669	6	1.427	30	.310	91	61	79	69	40	60
Ohio—													
Bowling Green	.549	.633	.559	8	.935	25	.228	80	61	82	60	40	70
Cincinnati, [Harper]	.710	.796	.729	7	1.092	30	.416	74	71	69	64	42	59
Hillsborough	.559	.572	.555	11	.823	23	.259	84	57	74	64	38	52
Medina	.570	.567	.549	2	.914	26	.138	80	61	85	29	17	75
Savannah	.565	.705	.608	9	1.038	24	.222	88	75	95	72	57	69
Westerville	.600	.710	.616	10	1.396	23	.308	87	71	86	66	48	74
Michigan—													
Detroit	.476	.539	.463	1	.863	29	.223	64	53	65	39	25	22
Marquette	.442	.501	.442	7	.999	30	.192	79	64	82	65	37	37
Thunder Bay Island (*f*)	.459	.525	.507	8	.799	23	.229	77	71	73	48	43	51
Indiana—													
Madison	.694	.779	.715	5	1.074	31	.281	79	68	78	59	42	66
Michigan City	.568	.585	.556	5	.902	22	.229	83	68	82	61	38	41
New Harmony	.687	.748	.719	5	1.056	30	.396	83	64	85	74	48	69
Illinois—													
Augusta	.610	.688	.655	4	.997	28	.335	91	66	85	81	49	73
Manchester (*e*)	.671	.846	.733	8	1.128	27	.361	95	78	96	79	63	83
Peoria	.633	.635	.666	8	1.000	23	.303	83	52	79	64	36	67
Upper Alton	.682	.893	.696	10	1.162	30	.309	91	85	89	77	65	59
Wheaton	.538	.572	.551	9	.891	29	.224	84	59	80	66	32	64
Missouri—													
St. Louis	.621	.646	.662	4	.936	28	.316	71	50	71	56	33	44
Wisconsin—													
Appleton	.527	.682	.555	10	1.269	29	.146	80	66	85	47	33	62
Waukesha	.464	.432	.476	8	.785	27	.111	70	42	73	29	18	44
Iowa—													
Dubuque	.544	.498	.558	6	.950	31	.057	76	48	75	51	6	63
Fairfield	.515	.612	.525	4	.841	29	.204	65	55	69	53	30	47
Muscatine	.649	.713	.725	6	1.060*g*	29	.403	81	78	85	67	65	77

a Mean force of vapor, .890; obtained approximately from the mean dew point.
b Same amount on the 29th.
c Same amount on the 31st.
d Same amount on the 8th.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f Observations taken at 6 and 9 a. m., and 3 and 9 p. m. Mean force of vapor at 9 a. m., .522. Mean relative humidity at 9 a. m., 73.
g Same amount on the 9th.

No. 33.—PSYCHROMETER, AUGUST, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
IOWA—Continued.	*Inches.*	*Inches.*	*Inches*		*Inches*		*Inches.*						
Pleasant Plain	.658	.791	.671	2	1.165	28	.282	87	71	95	65	40	79
Sioux City	.488	.617	.566	12	.954	28	.271	80	62	83	49	44	63
MINNESOTA—													
Wabashaw	.542	.719	.570	5	*a*. 956	28	.234	77	72	77	64	59	65
KANSAS—													
Lawrence	.660	.686	.733	9	1.160	29	.362	75	65	77	61	49	63
Leavenworth City, [McCarty]	.667	.736	.670	4	1.005	28	.335	84	65	86	66	52	66
MEXICO—													
Vera Cruz (*b*)	.854	------	.925	----	------	----	------	86	------	87	------	------	------
CALIFORNIA—													
Sacramento	.430	.489	.454	16	.626	17	.313	69	56	64	60	33	39
San Francisco	.379	.385	.384	26	.509	25	.336	82	61	85	70	51	75
WEST INDIES—													
St. George's, Bermuda (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*d*)	.455	.430	.485	----	------	----	------	96.4	54.1	87.0	------	------	------
SOUTH AMERICA—													
Caracas, Venezuela	.571	.555	.600	21	.678	20	.425	82	58	79	75	39	62
Catharina Sophia, Surinam (*b*)	.780	.935	.916	25	1.010*e*	19	*f*. 718	89	72	88	81	63	79

a Same amount on the 6th and 9th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Observations taken at 9.30 a. m. and 3.30 p. m. Mean force of vapor, .828. Mean relative humidity, 77.
d Observations taken at 6 and 9 a. m., 12 m., and 3 and 9 p. m. Mean force of vapor at 9 a. m., 459; at 12 m., .415. Mean relative humidity at 9 a. m., 67.9, and at 12 m., 50.1.
e Same amount on the 29th.
f Same amount on the 25th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.382	.407	.388	10	.772	25	.147	83	64	79	57	39	53
St. Martin (*a*)	.354	.503	.409	10	.731	22	.160	89	67	85	75	49	72
Toronto (*a*)	.350	.401	.384	9	.664	?	?	84	60	79	69	31	66
Windsor	.389	.490	.412	9	.780	23	.182	87	73	91	83	56	77
Wolfville	.411	.465	.391	12	.718	23	.143	89	67	84	48	43	36
MAINE—													
Gardiner	.413	.508	.446	9	.789	23	.177	93	74	93	66	47	61
Perry	.377	.456	.382	4	.673	23	.178	93	76	92	61	44	78
Portland	.405	.436	.429	9	.741	28	.096	85	60	83	67	13½	62
Steuben	.367	.409	.364	9	.663	23	.152	87	71	87	68	42	63
VERMONT—													
Burlington	.349	.419	.406	9	.731	23	.170	81	62	81	67	44	55
MASSACHUSETTS—													
Amherst	.415	.416	.412	9	.745	25	.144	88	58	77	65	30	54
Bridgewater (*a*)	.470	.500	.488	9	.862	23	.153	85	68	85	61	26	50
Cambridge								87	73	83	80	62	73
Lawrence	.372	.445	.435	9	.792	23	.149	87	57	84	67	34	36
Nantucket	.448	.432	.473	11	.717	25	.148	76	58	83	48	32	58
New Bedford	.452	.471	.461	4	.771	23	.168	88	65	88	66	34	64
Newburyport	.425	.451	.443	11	.685	23	.209	86	63	87	67	44	63
Westfield	.371	.420	.430	16	.706	23	.144	87	56	86	59	32	65
Worcester	.421	.406	.431	16	.726	28	.141	87	56	86	66	30	56
RHODE ISLAND—													
Providence (*b*)													
CONNECTICUT—													
Middletown	.436	.447	.470	4	.781	23	.159	96	54	94	47	30	75
Pomfret	.445	.516	.444	9	.785	22	.199	88	78	92	83	60	74
Wallingford	.411	.434	.458	4	.758	23	.178	91	57	87	73	37	62
NEW YORK—													
Bellport	.453	.494	.456	4	*c*.758	23	.162	79	71	83	44	44	29
Buffalo (*a*)	.398	.425	.430	10	.664	22	.181	71	63	72	43	43	49
Clinton	.357	.369	.361	21	.599	23	.131	71	44	70	55	29	54
Fordham	.405	.425	.430	4	.718	23	.130	73	55	72	45	29	47
Fort Edward	.408	.525	.460	10	.841	27	.178	88	72	87	57	52	75
New York city	.416	.426	.438	3	.738	22	.163	69	53	63	49	34	31
Saratoga	.419	.492	.500	6	.846	27	.142	89	74	81	53	30	42
Waterford	.399	.432	.424	10	.692	22	.186	85	56	79	49	41	52
NEW JERSEY—													
Bloomfield	.485	.579	.460	3	.854	23	.149	87	66	82	56	49	64
PENNSYLVANIA—													
Berwick	.399	.481	.462	9	.823	23	.186	84	60	81	68	44	62
Carlisle	.405	.495	.450	3	.772	13	.190	84	64	78	38	41	46
Chambersburg	.475	.526	.559	9	.843	23	.257	81	69	78	57	56	56
Chromedale	.435	.476	.453	11	.727	22	.234	82	58	81	70	32	62
Easton	.391	.354	.418	10	.732	23	.125	81	41	78	40	27	49
Harrisburg, [Hickok]	.396	.409	.444	3	.700	22	.149	83	50	74	52	24	40
Lewisburg	.392	.420	.423	3	.707	22	.191	89	54	81	62	34	61
Mount Joy	.455	.625	.580	10	.914	28	.163	82	71	84	52	26	77
Murrysville	.281	.370	.347	7	.677	22	.053	62	45	68	39	15	18
Norristown	.423	.459	.449	3	.909	22	.113	87	57	76	59	37	43
Philadelphia	.451	.465	.483	3	.792	23	.166	79	50	72	56	34	43
Somerset	.366	.416	.407	20	.677	23	*d*.212	85	57	80	61	39	67
Westtown	.459	.493	.467	20	.799	23	.186	91	60	87	71	43	62
MARYLAND—													
Annapolis	.479	.495	.546	3	.866	23	.225	85	58	76	70	39	47
Baltimore	.402	.419	.465	3	.785	23	.160	71	50	72	53	35	53
Chestertown	.484	.500	.499	3	.942	27	.111	77	54	78	52	18	47

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity, 67.4. For changes in hours of observation, &c., see table of the thermometer for this month.

c Same amount on the 10th.

d Same amount on the 27th.

No. 34.—PSYCHROMETER, SEPTEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
MARYLAND—Continued.	*Inches.*	*Inches*	*Inches.*		*Inches*		*Inches.*						
Frederick	.438	.510	.506	3	.800	23	.219	87	69	87	71	53	65
DISTRICT OF COLUMBIA—													
Washington	.453	.453	.511	3	.827	23	.190	83	53	77	62	36	57
VIRGINIA—													
Montross	.300	.493	.372	2	.877	22	.099	55	57	60	25	39	29
NORTH CAROLINA—													
Murfreesborough	.576	.704	.672	6	1.016	23	.335	89	77	88	46	65	65
SOUTH CAROLINA—													
All Saints	.613	.668	.637	4	.955	17	.323	84	71	77	61	49	59
Charleston, [Dawson] (*a*)													
Columbia	.548	.656	.592	8	1.138	28	.308	82	61	76	66	40	59
St. John's	.562	.573	.587	11	.843	16	.333	89	64	87	66	38	50
GEORGIA—													
Athens	.496	.483	.537	11	.854	16	.181	83	55	81	57	18	54
Augusta	.583	.635	.654	11	.863	20	.319	75	61	73	61	47	65
Savannah	.629	.637	.658	12	.888	18	.321	89	69	84	71	41	52
FLORIDA—													
Jacksonville	.756	.830	.776	4	1.038	17	.496	91	83	91	79	64	63
Micanopy	.816	1.014	.858	3	1.311	17	.536	99	86	96	84	74	38
ALABAMA—													
Carlowville	.500	.960	.549	6	1.455	17	.167	70	72	71	24	43	26
Greene Springs	.584	.744	.637	10	1.228	29	.302	83	63	88	56	28	67
Selma	.555	.442	.558	2	.706	18	.220	84	38	80	62	21	52
MISSISSIPPI—													
Columbus	.527	.535	.561	10	.850	17	.294	83	46	74	59	28	56
Paulding	.613	.667	.652	7	.931	18	.359	81	60	70	58	37	50
TEXAS—													
Austin, [Van Nostrand]	.634	.505	.550	9	.886	24	.216	82	42	64	61	19	33
Goliad	.645	.589	.679	9	.931	20	.315	82	47	75	46	26	60
Larissa	.619	.723	.656	8	.902	20	*b* .460	86	60	73	77	40	60
TENNESSEE—													
Glenwood	.478	.491	.535	2	.792	16	.220	87	51	85	56	29	56
Memphis	.572	.564	.645	9	.955	12	.310	88	52	86	75	32	66
KENTUCKY—													
Bardstown	.469	.558	.545	9	.802	11	.296	88	61	84	30	41	58
Louisville (*c*)		.489		9	.677	16	.261		50			35	
Springdale (*c*)	.386	.571	.561	9	.853	23	.208	94	62	79	82	39	56
OHIO—													
Bowling Green	.360	.452	.403	9	.725	23	.144	75	51	76	61	36	63
Cincinnati, [Harper]	.466	.627	.520	8	.895	23	.282	76	61	67	66	49	56
Hillsborough	.404	.388	.402	10	.655	23	.170	81	47	68	58	29	51
Medina	.384	.435	.368	20	.704	22	.191	78	55	69	38	37	54
Savannah	.382	.568	.447	9	.846	26	.162	87	70	92	73	52	74
Westerville	.423	.485	.467	2	.812	23	.241	89	54	84	70	36	63
MICHIGAN—													
Detroit	.381	.462	.359	11	*d* .679	2	.150	69	54	65	44	31	23
Marquette	.334	.326	.322	6	.582	29	.000	82	62	82	43	6	0
Ottawa Point (*e*)	.385	.479	.474	19	.612	12	.269	90	85	87	69	50	59
Thunder Bay Island (*f*)	.338	.393	.389	29	.618	22	.182	81	71	77	61	42	54
INDIANA—													
Madison	.473	.575	.491	3	.785	16	.293	85	64	80	66	40	67
Michigan City	.404	.454	.412	9	.752	25	.231	80	58	75	66	39	53
New Harmony	.506	.587	.560	8	.827	16	.321	88	63	86	77	44	68
Notre Dame	.430	.436	.468	8	.745	22	.216	78	59	76	45	40	47
ILLINOIS—													
Augusta	.436	.528	.477	9	.829	26	.259	88	61	84	67	39	68
Manchester (*c*)	.495	.652	.561	7	1.187	13	.310	92	70	94	75	46	79

a Mean force of vapor, .654; obtained approximately from the mean dew point.
b Same amount on the 21st.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 12th.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .305. Mean relative humidity at 9 a. m., 87.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .390. Mean relative humidity at 9 a. m., 75.

No. 34.—PSYCHROMETER, SEPTEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches*	*Inches*	*Inches*		*Inches*		*Inches*						
Peoria	.470	.503	.500	7	.941	23	.283	84	54	80	54	32	59
Upper Alton	.461	.736	.512	28	.983	27	.215	87	81	84	69	39	70
Wheaton	.409	.397	408	9	.735	3	.136	84	52	77	66	36	64
MISSOURI—													
St Louis	.454	.522	.500	8	.816	17	.275	72	48	71	57	31	55
WISCONSIN—													
Appleton	.381	.503	.392	6	.904	11	.189	82	66	79	62	33	52
Waukesha	.306	.351	.321	7	.935	6	.000	64	46	61	22	0	15
IOWA—													
Dubuque	.379	.360	.403	7	.733	23	.149	76	44	70	28	18	37
Fairfield	.388	.407	.364	6	.664	4	.216	68	49	69	57	22	56
Muscatine	.549	.573	.584	6	.863	15	.389	85	82	83	75	63	63
Pleasant Plain	.457	602	.508	7	1.296	25	.262	87	83	96	73	54	83
Sioux City	.365	.371	.401	5	.627	15	.131	76	52	78	54	18	56
KANSAS—													
Lawrence	.526	.542	.564	7	.785	11	.191	72	61	70	27	46	29
Leavenworth City, [McCarty]	.520	.588	.521	5	.789	10	.303	83	62	82	64	40	63
MEXICO—													
Vera Cruz (*a*)	.871	.....	.903	.....	.....	.....	.....	85	.....	84	.....	.....	.....
CALIFORNIA—													
Sacramento	.368	.408	.432	2	.554	19	.255	67	46	64	53	22	50
San Francisco	.389	.386	.398	23	.509	26	.223	79	56	82	70	26	66
CENTRAL AMERICA—													
Guatemala (*b*)	.477	.536	.514	.....	.....	.....	.....	94.3	67.4	88.2	.....	.....	.....
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.785	.894	.916	8	1.033	28	.693	90	70	89	81	57	83
EASTERN CONTINENT—													
Jerusalem, Palestine	.482	.492	.522	12	.692	21	.120	65	55	65	20	12	13

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Observations taken at 6 a. m., 9 a. m., noon, 3 p m., and 9 p m. Mean force of vapor at 9 a. m., 531.; at 12 m., .547. Mean relative humidity at 9 a. m., 77.5, and at noon, 64.8.

No. 35.—PSYCHROMETER, OCTOBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p.m.	9 p.m	Date.	Amt.	Date.	Amt.	7 a.m.	2 p.m.	9 p m.	7 a.m.	2 p.m.	9 p.m.
BRITISH AMERICA—	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches.*						
Montreal	.227	.252	.230	19	.543	26	.097	76	63	66	44	37	39
St. Martin (*a*)	.218	.276	.266	18	.482	26	.111	90	63	88	73	40	72
Toronto (*a*)	.252	.262	.252	3	.530	25	.108	80	62	75	55	28	53
Windsor	.248	.315	.258	14	.559	29	.123	89	76	86	60	61	71
Wolfville	.242	.289	.255	20	.612	5	.115	82	70	83	23	49	51
MAINE—													
Gardiner	.247	.302	.282	19	.464	26	.090	87	69	85	58	28	49
Perry	.243	.250	.241	14	.452	28	.093	88	70	82	53	34	54
Portland	.261	.263	.271	1	.502	26	.100	80	59	76	52	29	41
Steuben	.237	.279	.295	18	.489	17	.059	81	72	80	28	31	29
VERMONT—													
Burlington	.247	.278	.271	3	.478	26	.121	81	63	78	56	37	49
MASSACHUSETTS—													
Amherst	.295	.311	.292	4	.591	26	.099	87	61	74	53	29	35
Bridgewater (*a*)	.307	.370	.328	4	.813	26	.037	90	69	83	65	22	8
Cambridge								86	75	80	67	58	65
Lawrence	.262	.323	.297	1	.617	25	.033	81	61	78	51	34	39
Nantucket	.336	.324	.349	1	.516	11	*b*. 165	78	63	80	48	35	54
New Bedford	.318	.316	.328	4	.577	27	.090	83	58	81	38	17	43
Westfield	.262	.301	.284	1	.568	28	.113	85	60	80	65	25	48
Worcester	.294	.313	.297	1	.573	26	.022	82	52	78	12	22	32
RHODE ISLAND—													
Providence (*c*)													
CONNECTICUT—													
Middletown	.300	.306	.327	1	.561	25	.113	94	52	88	75	18	60
Pomfret	.303	.388	.321	1	.618	26	.130	92	78	88	70	56	65
Wallingford	.276	.297	.298	1	.586	27	.108	83	53	79	62	27	51
NEW YORK—													
Bellport	.331	.374	.338	1	.576	28	.098	84	71	84	60	47	45
Buffalo (*a*)	.301	.311	.290	3	.543	8	.134	73	66	72	50	39	48
Clinton	.240	.274	.264	3	.581	25	.093	72	50	74	55	26	58
Fordham	.288	.310	.337	4	.628	25	.091	74	56	74	49	23	43
Fort Edward	.267	.335	.305	3	.529	16	.142	87	71	86	69	44	67
New York city	.316	.342	.332	4	.593	25	.123	75	58	68	41	26	49
Schenectady	.259	.306	.281	4	.499	27	.137	82	63	78	45	41	65
Waterford	.277	.347	.303	19	.524	26	.142	88	62	82	60	40	66
PENNSYLVANIA—													
Berwick	.298	.367	.326	4	.624	27	.130	82	60	75	59	36	48
Carlisle	.297	.345	.317	3	.581	27	.117	83	61	76	62	32	49
Chambersburg	.439	.485	.509	4	.708	25	.231	74	69	73	36	55	52
Chromedale	.323	.357	.359	4	.582	2?	.004?	81	59	78	? 0.5	17	55
Easton	.284	.279	.285	30	.549	25	.045	81	47	73	51	10	53
Harrisburg, [Hickok]	.304	.325	.301	3	.561	26	.117	76	49	70	37	25	28
Lewisburg	.279	.314	.295	7	.537	10	.091	87	54	76	36	28	30
Mount Joy	.363	.536	.464	4	.809	26	*d*. 199	79	73	80	53	59	31
Murrysville	.205	.241	.222	7	.563	19	.021	55	42	59	04	15	28
Norristown	.304	.303	.318	13	.529	8	.047	84	53	71	52	25	33
Philadelphia	.338	.351	.373	4	*e*. 591	27	.145	79	53	73	55	24	56
Somerset	.279	.356	.305	3	*e*. 537	8	.106	84	62	79	50	42	56
Westtown	.348	.377	.364	3	.603	27	.061	89	62	87	44	13	55
MARYLAND—													
Annapolis	.358	.390	.411	7	.655	27	.150	79	63	77	51	34	43
Baltimore	.307	.327	.324	3	.572	27	.084	74	52	68	37	19	34
Chestertown	.326	.349	.332	7	.595	25	.071	73	52	66	30	15	24
Frederick	.339	.400	.377	4	.690	27	.110	90	68	85	74	27	58
DISTRICT OF COLUMBIA—													
Washington	.344	.351	.343	7	.608	5	.073	87	55	69	41	26	17

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Same amount on the 26th.

c Mean relative humidity, 63. For changes in hours of observation, &c., see table of the thermometer for this month.

d Same amount on the 25th and 28th.

e Same amount on the 7th.

No. 35.—PSYCHROMETER, OCTOBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—	*Inches.*	*Inches*	*Inches*		*Inches.*		*Inches*						
Kanawha	.384	.516	.434	3	.846	9	.214	94	79	91	80	60	78
Montross	.207	.353	.235	2	.559	27	.017	47	54	47	24	36	19
NORTH CAROLINA—													
Goldsborough	.400	.412	.448	22	.679	9	.101	83	50	78	48	16	38
Murfreesborough (*b*)	.416	.538	.475	8	.731	16	.244	93	76	88	62	51	69
SOUTH CAROLINA—													
All Saints	.506	.599	.572	3	.873	15	.206	82	73	80	49	42	58
Charleston, [Dawson] (*c*)													
Columbia	.431	.526	.491	3	.764	17	.149	80	58	73	41	39	23
St. John's	.452	.514	.494	7	.745	15	.208	83	63	82	52	37	47
GEORGIA—													
Athens	.389	.378	.387	7	.630	9	.114	79	43	67	52	15	39
Augusta	.489	.544	.568	3	.847	10	.295	73	59	70	62	33	56
Savannah	.541	.561	.578	6	.776	15	.262	87	64	78	54	31	60
FLORIDA—													
Jacksonville	.672	.717	.723	7	.977	9	.429	91	81	91	77	63	64
Micanopy	.723	.919	.809	13	1.079	10	.529	97	88	95	86	72	86
ALABAMA—													
Greensborough (*b*)	.442	.448	.452	25	.639	15	.237	89	56	81	62	33	56
Selma	.461	.462	.503	5	.680	15	.226	88	51	82	63	26	50
MISSISSIPPI—													
Columbus	.449	.471	.465	5	.739	15	.166	87	53	76	58	18	40
Paulding	.534	.594	.571	4	.832	15	.216	82	65	70	46	46	49
TEXAS—													
Austin, [Van Nostrand]	.554	.493	.533	9	.785	20	.177	90	46	72	35	22	34
Goliad	.599	.587	.633	26	.870	27	.322	82	52	77	55	31	39
Larissa	.520	.610	.571	16	.800	8	.321	88	75	82	72	36	49
TENNESSEE—													
Glenwood	.380	401	.398	5	.644	7	.158	86	54	79	62	25	47
Memphis	.457	.478	.493	2	.785	7	.268	91	63	84	63	33	53
KENTUCKY—													
Bardstown	.367	.431	.391	4	.877	7	.115	89	61	79	58	23	49
Louisville (*b*)		.406		6	.691	8	.150		58			27	
Springdale (*b*)	.331	.429	.417	3	.802	9	.153	92	66	77	70	39	43
OHIO—													
Avon (*b*)	.278	.327	.317	18	.457	21	.190	77	61	77	61	47	57
Bowling Green	.254	.282	.264	3	.551	7	.087	70	49	66	42	23	30
Cincinnati, [Harper]	.350	.472	.399	2	.878	9	.169	80	64	74	58	46	51
Hillsborough	.315	.314	.313	4	.596	9	.106	84	58	72	49	24	39
Hudson	.288	.308	.289	7	.502	7	.108	81	61	76	60	36	37
Montville	.286	.309	.303	4	.509	8	.116	77	61	78	40	37	32
Savannah	.305	.438	.337	19	.680	7	.117	85	73	86	62	32	73
Westerville	.314	.375	.337	3	.936	8	.100	82	60	78	65	25	58
MICHIGAN—													
Detroit	.249	.342	.252	3	.955	15	.113	62	54	63	25	18	29
Fort Gratiot (*d*)	.229	.259	.264										
Marquette	.236	.278	.255	17	.771	20	.093	84	73	82	54	23	36
Thunder Bay Island (*e*)	.265	.275	.264	3	.476	7	.170	81	75	77	68	59	38
INDIANA—													
Madison	.364	.457	.400	4	1.117	9	.157	86	72	87	64	47	61
Michigan City (*b*)	.260	.297	.301	2	.595	7	.100	74	56	73	45	33	36
New Harmony	.365	.448	.415	6	.977	9	.170	87	70	86	64	40	48
Notre Dame	.296	.312	.316	3	.514	8	.142	73	64	75	36	38	54
Richmond, [Moore]	.268	.277	.250	19	.432	15	.105	82	55	70	60	17	42
ILLINOIS—													
Augusta	.297	.341	.321	6	.909	8	.120	85	64	80	59	30	45
Manchester (*b*)	.312	.481	.358	1	1.051	9	.167	96	80	94	75	50	72

a Same amount on the 28th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Mean force of vapor, .558; obtained approximately from the mean dew point.
d Observations taken at 6 and 9 a. m., and 3 and 9 p. m. Mean force of vapor at 9 a. m., .237. Mean relative humidity at 9 a. m., 65.
e Observations taken at 6 and 9 a. m., and 3 and 9 p. m. Mean force of vapor at 9 a. m., .298. Mean relative humidity at 9 a. m., 76.

No. 35.—PSYCHROMETER, OCTOBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches.*						
Peoria	.308	.333	.329	2	.624	8	.123	86	65	83	48	30	49
Upper Alton	.331	.520	.374	6	.931	20	*a*. 155	87	83	85	60	67	66
Wheaton	.265	.290	.284	2	.595	7	.069	80	60	76	37	27	41
MISSOURI—													
St Louis	.333	.381	.350	6	.697	7	.131	79	59	73	51	29	41
WISCONSIN—													
Appleton	.257	.298	.285	16	.617	8	.118	82	69	81	61	33	57
Madison	.257	.242	.298	1	.503	15	.047	75	62	76	51	12	53
Waukesha	.229	.278	.237	16	.554	22	.048	70	57	66	43	24	15
IOWA—													
Dubuque	.268	.243	.252	2	.497	8	.000	83	52	67	44	0	23
Fairfield	.243	.273	.251	6	.608	8	.060	73	53	65	42	16	39
Muscatine	.361	.369	.376	3	.658	9	.249	84	81	83	71	58	72
KANSAS—													
Lawrence (*b*)	.383	.434	.438	24	.805	17	.242	62	54	58	45	34	42
Leavenw'h C'y, [McCarty] (*b*)	.380	.424	.389	....	?	....	?	84	74	92	?	?	?
CALIFORNIA—													
Sacramento	.286	.363	.343	1	.470	18	.151	67	61	70	45	35	46
San Francisco	.343	.322	.334	21	.529	16	.144	77	53	72	33	23	32
CENTRAL AMERICA—													
Guatemala (*c*)	.459	.466	.484	....	.....	....	.....	93.1	59.5	85.1	.....	.....	.....
SOUTH AMERICA—													
Cath'r'a Sophia, Surinam (*b*)	.798	.918	.912	22	1.046	17	.706	88	72	90	81	66	87
EASTERN CONTINENT—													
Jerusalem, Palestine	.405	.413	.439	1	.631	27	.066	61	49	61	19	30	27

a Same amount on the 21st.

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Observations taken at 6 a. m., 9 a. m., noon, 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .462; at noon, .441. Mean relative humidity at 9 a. m., 72.6; and at noon, 59.5.

No. 36.—PSYCHROMETER, NOVEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.147	.166	.149	20	.378	14	.075	85	79	83	57	53	53
St. Martin (*a*)	.121	.145	.129	1	.282	15	.043	84	77	83	71	50	68
Toronto (*a*)	.165	.163	.162	1	.312	19	.072	86	72	79	66	40	63
Windsor	.168	.188	.173	1	.387	15	.084	90	81	87	79	57	72
Wolfville	.203	.225	.178	1	.439	15	.061	77	74	74	49	47	40
MAINE—													
Gardiner	.147	.170	.159	8	.272	30	.055	94	79	91	62	54	61
Portland	.142	.156	.149	1	.296	14	.067	80	65	76	59	40	55
VERMONT—													
Burlington	.132	.157	.136	5	.272	30	.051	78	71	76	43	52	52
MASSACHUSETTS—													
Amherst	.150	.181	.162	4	.282*b*	30	.178	88	71	84	61	44	56
Bridgewater (*a*)	.189	.211	.205	1	.533	13	.000	95	80	91	70	0	61
Cambridge	------	------	------	---	------	---	------	87	80	84	75	70	73
Lawrence	.146	.156	.157	5	.298	14	.033	79	64	79	57	28	24
Nantucket	.187	.194	.200	23	.389	14	.080	70	63	77	41	40	56
New Bedford	.181	.179	.186	4	.361	14	.058	87	66	83	72	31	56
Westfield	.143	.153	.153	5	.268*c*	29	.049	79	62	77	36	28	36
Worcester	.167	.187	.158	8	.296	17	.047	86	72	81	36	38	41
RHODE ISLAND—													
Providence (*d*)	------	------	------	---	------	---	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.164	.183	.168	4	.307	14	.035	91	69	88	27	26	53
Pomfret	.161	.189	.172	1	.365	17	.070	92	79	89	76	45	61
Wallingford	.153	.163	.156	5	.295	30	.043	85	64	83	63	33	44
NEW YORK—													
Bellport	.191	.206	.193	1	.399	14	.009	80	72	84	45	3	58
Buffalo (*a*)	.185	.183	.188	4	.335	15	.093	81	77	78	64	46	64
Clinton	.137	.151	.138	1	.308	29	.063	69	61	70	54	48	42
Fordham	.116	.139	.138	1	.277	30	.035	67	51	63	44	21	19
Fort Edward	.155	.180	.162	1	.308	16	.078	93	79	90	64	37	59
New York city	.178	.195	.176	1	.319	30	.066	73	66	68	29	38	38
Schenectady	.166	.173	.163	1	.279	29	.076	84	72	83	57	52	44
PENNSYLVANIA—													
Berwick	.183	.191	.182	5	.361	17	.087	85	70	79	70	30	60
Carlisle	.171	.185	.181	2	.321	20	.085	79	66	77	54	41	46
Chambersburg	.382	.424	.455	1	.577	13	.247	72	71	71	35	59	57
Chromedale	.209	.217	.210	1	.392	14	.134*e*	87	71	83	61	45	62
Easton	.160	.153	.158	5	.315	27	.053	78	56	72	50	26	42
Harrisburg, [Hickok]	.168	.161	.163	5	.297	14	.070	74	55	65	42	34	40
Lewisburg	.181	.174	.170	5	.322	19	.058	87	64	75	59	26	52
Linden	.160	.171	.174	5	.395	20	.041	86	73	79	69	48	19
Murrysville	.129	.128	.135	3	.255	20	.040	63	51	64	36	26	------
Norristown	.172	.179	.176	6	.310	30	.070	78	61	71	50	30	39
Philadelphia	.192	.195	.204	6	.361	14	.090	79	61	73	61	33	53
Somerset	.168	.193	.176	3	.322	14	.078	93	80	89	78	55	70
Westtown	.190	.203	.197	1	.399	16	.099	89	73	84	60	33	69
MARYLAND—													
Annapolis	.206	.224	.238	3	.459	14	.100	85	67	80	57	46	57
Baltimore	.171	.169	.176	3	.348	30	.034	70	53	63	48	10	45
Chestertown	.177	.182	.187	7	.412	16	.026	67	54	66	17	27	36
Frederick	.194	.203	.190	4	.413	14	.006	82	68	77	2	38	50
DISTRICT OF COLUMBIA—													
Washington (*a*)	.164	.199	.202	3	.436	15	.084	78	60	73	50	29	43
VIRGINIA—													
Montross	.092	.145	.109	3	.403	17	.003	32	42	36	2	10	6

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 5th.
c Same amount on the 7th.
d Mean relative humidity, 60. For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 19th.

No. 36.—PSYCHROMETER, NOVEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches*		*Inches*						
NORTH CAROLINA—													
Goldsborough	.254	.245	.246	2	.633	18	.101	84	56	77	54	23	50
Murfreesborough	.292	.366	.307	3	.668	17	.160	98	89	95	90	73	85
SOUTH CAROLINA—													
All Saints	.285	.321	.316	2	.720	17	.135	91	70	87	81	44	65
Charleston, [Dawson] (*a*)	------	------	------	---	------	---	------	------	------	------	------	------	------
Columbia	.234	.270	.296	2	.918	10	.108	87	61	84	53	29	64
GEORGIA—													
Savannah	.284	.287	.300	2	.654	24	.135	82	57	72	57	34	59
FLORIDA—													
Jacksonville	.376	.452	.394	2	.813	27	.165	83	77	81	68	61	66
Micanopy	.383	------	.438	2	1.003	25	.181*b*	100	------	99	92	------	94
ALABAMA—													
Greensborough	.240	.233	.243	1	.559	30	.134	92	66	83	61	30	50
Selma	.234	.259	.270	28	.563	11	.104	86	61	80	45	28	43
MISSISSIPPI—													
Columbus	.272	.294	.303	1	.513	19	.165*c*	82	62	66	68	48	52
Paulding	.223	.231	.229	1	.571	30	.101	88	60	78	58	26	44
TEXAS—													
Austin, [Van Nostrand]	.270	.254	.237	28	.563	9	.125	89	46	65	68	18	30
Goliad (*d*)	.321	.323	.348	14	.608	21	.151	82	54	78	56	31	42
Larissa	.247	.312	.277	27	.631	24	.155	83	69	79	74	47	58
TENNESSEE—													
Glenwood	.194	.196	.199	1	.469	30	.019	82	63	80	63	16	56
Memphis	.237	.238	.235	28	.500	30	.112	95	71	83	79	34	59
KENTUCKY—													
Bardstown	.195	.216	.206	27	.449	17	.090*d*	91	76	86	40	41	51
Louisville (*d*)	------	.204	------	1	.378	30	.126	------	70	------	------	49	------
Springdale (*d*)	.197	.211	.205	2	.410	19	.078	94	78	84	78	49	63
OHIO—													
Avon	.169	.172	.169	2	.334	20	.076	77	70	74	56	45	51
Bowling Green	.140	.148	.147	2	.321	15	.035	67	55	67	46	17	33
Cincinnati, [Harper]	.198	.256	.192	2	.456	17	.094	81	73	73	70	49	54
Hillsborough	.181	.177	.172	2	.337	16	.067	91	75	83	68	50	58
Hudson	.191	.221	.187	1	.393	18	.091	96	92	89	86	68	62
Montville	.176	.180	.180	2	.368	14	.000*f*	87	77	84	72	0	49
Savannah	.162	.217	.184	3	.423	20	.040	83	83	88	46	63	65
Westerville	.178	.197	.181	2	.426	17	.082	86	77	81	66	48	66
MICHIGAN—													
Detroit	.139	.170	.154	2	.354	15	.074*f*	67	62	70	31	38	42
Marquette	.136	.156	.130	3	.276	22	.009	82	78	75	65	40	0
Ottawa Point (*g*)	.181	.193	.188	3	.365	39	.101	88	83	84	78	57	69
Thunder Bay Island (*h*)	.153	.163	.159	4	.310	30	.073	79	76	77	64	59	61
INDIANA—													
Madison	.226	.223	.219	1	.391	30	.052	88	79	87	73	21	77
New Harmony	.205	.219	.222	28	.420	19	.118	90	79	93	72	54	81
Notre Dame	.228	.222	.237	2	.363	8	.099	83	70	83	61	29	61
Richmond, [Moore]	.175	.171	.181	2	.322	15	.029	81	63	80	59	13	66
ILLINOIS—													
Augusta	.174	.196	.182	2	.341	15	.064	95	83	89	83	57	70
Manchester (*d*)	.182	.226	.198	27	.418	19	.068	100	92	100	100	64	100
Peoria	.182	.190	.183	2	.361	18	.011	86	75	83	63	48	61
Upper Alton	.184	.233	.207	2	.418	16	.059	81	85	87	60	70	71
Wheaton	.166	.165	.166	2	.321	30	.075	87	73	88	78	53	75
MISSOURI—													
St. Louis	.182	.191	.195	27	.369	19	.078	87	72	85	70	48	47
WISCONSIN—													
Appleton	.138	.172	.153	3	.285	19	.039	71	74	78	41	50	58

a Mean force of vapor, .293; obtained approximately from the mean dew point.
b Same amount on the 26th and 27th.
c Same amount on the 2d.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 19th.
f Same amount on the 16th.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .181. Mean relative humidity at 9 a. m., 86.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .163. Mean relative humidity at 9 a. m., 80.

No. 36.—PSYCHROMETER, NOVEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
WISCONSIN—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Madison	.158	.168	.166	4	.311	15	.039	89	83	86	70	56	38
Waukesha	.153	.160	.149	3	.311	16	.030	81	70	74	32	39	22
IOWA—													
Dubuque	.153	.155	.156	2	.306	15	.000	83	70	79	0	49	60
Fairfield	.146	.154	.138	2	.250	18	.042	80	68	74	50	35	45
Muscatine	.297	.351	.343	27	.502	11	.173	75	70	72	49	56	53
Sioux City	.115	.143	.118	1	.235	15	.029*a*	77	77	79	51	57	52
KANSAS—													
Lawrence	.215	.305	.297	27	.733	4	.044	54	46	43	17	29	29
Leavenworth City, [McCarty]	.156	.174	.160	27	.391	16	.060	86	75	82	79	54	61
MEXICO—													
Vera Cruz (*b*)	.658	------	.671	----	------	----	------	78	------	78	------	------	------
CALIFORNIA—													
Sacramento	.271	.331	.320	23	.423	27	.147	80	64	77	57	29	42
San Francisco	.330	.326	.340	22	.452	27	.130	81	62	79	29	26	44
CENTRAL AMERICA—													
Guatemala (*c*)	.415	.419	.429	----	------	----	------	94.0	56.3	83.6	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surnam (*b*)	.804	.930	.921	1	1.033	4	.758*d*	93	76	90	86	63	87
EASTERN CONTINENT—													
Jerusalem, Palestine	.301	.296	.282	1	.577	30	.146	54	39	46	27	17	19

a Same amount on the 19th.

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Observations taken at 6 a. m., 9 a. m., 12 m., 3 p. m., and 9 p. m. Mean force of vapor at 9 a. m., .442, and at 12 m., .420. Mean relative humidity at 9 a. m., 75.8, and at 12 m., 61.9.

d Same amount on the 7th.

No. 37.—PSYCHROMETER, DECEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal	.076	.105	.088	14	.267	29	.008	79	83	79	34	51	42
St. Martin's (*a*)	.065	.091	.075	17	.199	30	.014	83	76	82	68	53	69
Toronto (*a*)	.130	.129	.124	14	.266	8	.059	83	75	82	61	39	62
Windsor	.101	.121	.109	22	.271	13	.030	86	80	81	69	51	65
Wolfville	.100	.123	.111	27	.271	9	*b*. 034	88	86	85	55	64	43
MAINE—													
Portland	.088	.105	.101	15	.238	30	.033	82	69	77	49	47	46
VERMONT—													
Burlington	.100	.104	.102	15	.248	18	*c*. 030	84	72	75	54	39	46
MASSACHUSETTS—													
Amherst	.111	.177	.123	15	.283	26	.044	87	78	85	63	56	44
Bridgewater (*a*)	.143	.180	.174	14	.426	25	.030	90	86	93	21	34	52
Cambridge								87	82	82	74	64	68
Lawrence	.093	.114	.122	15	.275	1	.030	72	63	77	41	39	54
Nantucket	.159	.168	.185	15	.390	18	.048	72	65	78	46	31	49
New Bedford	.155	.168	.174	15	.418	10	.047	89	74	86	50	27	56
Westfield	.103	.117	.126	15	.254	26	.023	79	67	83	53	30	36
Worcester	.124	.141	.149	15	.384	18	.042	80	72	82	52	33	41
RHODE ISLAND—													
Providence (*d*)													
CONNECTICUT—													
Middletown	.124	.138	.144	15	.378	25	.042	82	67	86	52	31	54
Pomfret	.131	.151	.147	15	.388	19	.060	96	85	91	75	63	59
Wallingford	.121	.139	.138	15	.368	20	.051	87	69	86	56	36	58
NEW YORK—													
Buffalo (*a*)	.154	.164	.155	14	.348	9	.063	77	76	78	56	53	53
Clinton	.097	.115	.107	14	.248	1	.027	67	62	68	34	40	36
Fordham	.131	.153	.116	15	.396	9	.026	66	64	68	24	17	29
Fort Edward	.104	.121	.114	15	.257	25	.024	62	82	88	69	53	43
New York city	.152	.177	.161	15	.389	19	.035	75	74	73	37	40	36
PENNSYLVANIA—													
Berwick	.143	.160	.154	15	.390	25	.056	81	72	82	54	38	46
Carlisle	.150	.175	.165	15	.335	10	.071	81	75	80	54	37	57
Chambersburg	.333	.367	.414	7	.591	25	.095	66	62	65	20	23	54
Chromedale	.177	.213	.208	14	.529	10	*e*. 000	75	79	83	0	36	33
Easton	.139	.145	.144	15	.317	9	.051	81	67	78	53	25	37
Harrisburg, [Hickok]	.142	.148	.153	15	.363	16	.043	74	64	74	35	14	27
Lewisburg	.138	.147	148	15	.414	9	.054	84	67	81	51	31	55
Linden	.151	.163	.161	21	.241	9	.059	89	78	90	55	53	68
Murrysville	.146	.168	.155	5	.426	10	.004	67	59	69	9	25	42
Norristown	.156	.165	.169	14	.497	9	.054	79	69	79	45	27	51
Philadelphia	.169	.172	.188	14	.524	19	.071	80	69	78	51	33	45
Somerset	.189	.227	.204	5	.540	8	.044	97	86	91	74	62	36
Wettown	.170	.201	.191	14	.544	10	.078	90	83	91	52	49	68
MARYLAND—													
Annapolis	.194	.215	.231	5	.459	10	.070	88	76	86	60	42	61
Baltimore	.162	.180	.184	14	.489	9	.046	71	64	72	36	24	46
Chestertown	.165	.197	.191	14	.489	9	.033	69	62	68	24	22	35
Frederick	.169	.192	.186	15	.411	10	.057	82	75	82	54	51	55
DISTRICT OF COLUMBIA—													
Washington	.186	.205	.209	14	.463	9	.059	80	70	79	42	32	54
NORTH CAROLINA—													
Goldsborough	.290	.315	.312	11	.625	25	.026	86	66	80	53	8	43
Murfreesborough	.314	.380	.339	15	.758	10	.123	98	92	96	84	79	89
SOUTH CAROLINA—													
All Saints	.358	.420	.392	14	.718	10	.118	91	78	89	57	34	50
Charleston, [Dawson] (*f*)													

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 10th.
c Same amount on the 25th.
d Mean relative humidity, 59.3. For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 19th.
f Mean force of vapor, .392; obtained approximately from the mean dew point.

No. 37.—PSYCHROMETER, DECEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
SOUTH CAROLINA—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Columbia	.290	.362	.322	15	.693	9	.061	81	72	81	25	18	45
GEORGIA—													
Savannah	.384	.430	.413	14	.710	9	.170	87	72	88	54	37	44
FLORIDA—													
Jacksonville	.459	.582	.504	13	.812	23	.203	90	86	90	78	65	61
ALABAMA—													
Greensborough	.342	.319	.357	4	.663	9	.104	90	67	86	55	29	47
Selma	.333	.369	.351	30	.604	10	.111	87	72	80	67	34	43
MISSISSIPPI—													
Columbus	.303	.333	.323	4	.604	9	.086	89	70	87	60	31	47
Paulding	.376	.431	.433	14	.752	1	.160	87	75	78	62	42	53
TEXAS—													
Austin, [Van Nostrand]	.301	.311	.303	14	.626	22	.114	91	64	78	54	20	40
Goliad	.344	.381	.385	13	.682	23	.000	82	67	81	0	32	51
Larissa	.302	.351	.338	13	.668	7	*a*.118	93	83	88	77	59	61
TENNESSEE—													
Glenwood	.240	.263	.240	4	.566	9	.062	83	67	77	48	25	34
Memphis	.276	.295	.304	13	.626	9	.101	93	75	86	57	36	53
KENTUCKY—													
Bardstown	.242	.268	.250	4	.511	8	.067	94	76	91	52	39	57
Louisville (*b*)	.....	.244	.....	4	*c*.420	23	.126	.....	72	.....	.....	34	.....
Springdale (*b*)	.224	.253	.217	14	.500	9	.065	94	79	88	68	45	46
OHIO—													
Avon	.178	.180	.166	5	.456	19	.049	79	73	74	14	34	34
Bowling Green	.134	.149	.136	5	.345	9	*d*.000	61	55	63	17	0	21
Cincinnati, [Harper]	.230	.312	.223	14	.469	9	.047	80	78	74	50	60	50
Hillsborough	.216	.221	.205	5	.556	9	.047	87	75	80	57	40	40
Montville	.179	.192	.179	5	.476	8	.049	88	80	83	63	50	58
Savannah	.172	.193	.174	5	.456	9	.048	81	78	82	63	54	63
Westerville	.215	.224	.213	5	.556	9	.060	90	80	88	70	53	61
MICHIGAN—													
Detroit	.127	.144	.125	13	.282	9	.026	71	66	70	38	20	45
Marquette	.095	.102	.103	1	.175	31	.002	76	69	78	14	1	23
Ottawa Point (*e*)	.135	.155	.143	13	.251	9	.057	92	85	85	78	71	73
Thunder Bay Island (*f*)	.122	.130	.124	13	.233	24	.051	81	79	79	68	68	67
INDIANA—													
Madison	.257	.262	.246	13	.484	24	.076	90	81	87	80	33	62
New Harmony	.222	.250	.235	13	.487	9	.082	94	79	89	71	39	42
Richmond, [Moore]	.193	.194	.189	14	.407	9	.046	79	67	73	59	22	47
ILLINOIS—													
Augusta	.132	.156	.156	29	.347	9	.031	85	74	85	52	39	68
Manchester (*b*)	.165	.226	.186	12	.418	8	.050	100	89	100	100	68	100
Peoria	.142	.148	.152	30	.335	7	.023	82	64	77	51	17	33
Upper Alton (*g*)	.194	.247	.259	12	.423	1	.131	89	80	84	69	62	78
Wheaton	.126	.133	.138	29	.236	19	.000	90	72	91	71	0	70
MISSOURI—													
St. Louis	.182	.192	.195	12	.377	8	.039	87	67	81	51	34	55
WISCONSIN—													
Appleton	.094	.125	.110	12	.222	9	.009	71	76	72	33	37	37
Madison	.098	.111	.106	30	.238	7	.017	85	78	82	62	27	39
Waukesha	.112	.133	.119	2	.188	9	*h*.028	82	73	77	25	40	25
IOWA—													
Fairfield	.092	.119	.109	29	.285	8	.003	71	59	71	48	14	6
Muscatine	.341	.443	.421	21	.706	8	.178	65	61	62	49	42	48
KANSAS—													
Lawrence	.178	.236	.238	25	.369	6	.066	42	40	44	2	16	26
Leavenworth City, [McCarty]	.130	.160	.140	28	.309	8	.032	87	73	82	16	48	53

a Same amount on the 8th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 14th.
d Same amount on the 16th.
e Observations taken at 6 and 9 a. m. and 3 and 6 p. m. Mean force of vapor at 9 a. m., .139. Mean relative humidity at 9 a. m., 93.
f Observations taken at 6 and 9 a. m. and 3 and 9 p. m. Mean force of vapor at 9 a. m., .124. Mean relative humidity at 9 a. m., 79.
g Incomplete.
h Same amount on the 16th and 17th.

No. 37.—PSYCHROMETER, DECEMBER, 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
MEXICO—	*Inches.*	*Inches.*	*Inches.*		*Inches*		*Inches.*						
Vera Cruz (*a*)	.666	.695	------	----	------	----	------	81	------	81	------	------	------
CALIFORNIA—													
Sacramento	.209	.237	.231	12	.360	7	.051	80	70	78	33	19	38
San Francisco	.240	.270	.259	11	.405	2	.066	79	74	81	23	26	28
CENTRAL AMERICA—													
Guatemala (*b*)	.427	.388	.417	----	------	----	------	95.0	51.4	80.7	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*)	.790	.899	.881	23	*c*. 977	26	*d*. 706	92	77	87	85	65	78
EASTERN CONTINENT —													
Jerusalem, Palestine	.271	.292	.275	1	.509	23	.110	72	61	70	48	26	35

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Observations taken at 6 and 9 a. m., 12 m., and 3 and 9 p. m. Mean force of vapor at 9 a. m., .417, at 12 m., .387. Mean relative humidity at 9 a. m , 71.6, and at 12 m., 54.2.

c Same amount on the 22d.

d Same amount on the 27th and 31st.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	13	27	2	0	5	20	11	12	3	93	4	20	2	0	5	15	8	9	63
Red River Settlement	20	2	8	4	31	7	8	4	6	90	7	3	2	11	2	0	1	2	28
Rigolet	2	5	2	1	1	1	8	32	10	62	----	----	----	----	----	----	----	----	----
St. John's	9	7	1	7	10	18	5	36	0	93	----	----	----	----	----	----	----	----	----
St Martin	2	26	5	16	0	24	6	14	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	12	7	5	21	19	4	14	4	7	93	----	----	----	----	----	----	----	----	----
Toronto	1	14	3	8	1	23	5	25	13	93	----	----	----	----	----	----	----	----	----
Windsor	13	10	2	2	1	15	24	14	12	93	1	1	0	0	0	0	6	3	11
Wolfville	1	7	9	8	0	11	19	30	8	93	1	6	4	5	2	10	24	18	70
MAINE—																			
Cornish, [Guptill]	5	10	0	9	2	18	18	31	0	93	----	----	----	----	----	----	----	----	----
Cornish, [West]	6	13	8	0	9	28	21	8	0	93	0	0	0	0	0	1	4	2	7
East Exeter	14	11	0	5	1	19	7	36	0	93	2	7	6	31	6	8	1	1	62
Gardiner	0	22	0	9	2	9	3	29	18	92	0	10	0	1	1	8	0	12	32
Monson	7	5	2	10	7	7	15	34	6	93	----	----	----	----	----	----	----	----	----
Perry	11	16	0	4	4	14	6	37	1	93	7	10	0	0	1	4	9	6	37
Portland	19	11	6	1	3	19	22	12	0	93	2	0	1	0	1	8	13	1	26
Steuben	0	32	0	2	0	25	4	26	4	93	0	12	0	0	0	22	16	3	53
NEW HAMPSHIRE—																			
Claremont	14	11	5	4	7	9	15	28	0	93	1	0	0	1	0	1	14	0	17
Concord	1	18	0	2	0	10	4	45	8	88	0	0	0	0	0	1	1	0	2
Francestown [Bixby]	2	7	4	5	0	5	36	31	0	90	0	6	4	3	3	4	36	4	60
Shelburne	0	0	15	0	0	0	58	0	12	85	0	1	0	0	1	3	27	25	57
West Enfield	2	0	1	7	16	17	12	36	2	93	1	0	1	6	10	15	7	19	59
VERMONT—																			
Brandon	31	1	3	4	20	12	4	9	9	93	1	0	0	0	0	10	5	20	36
Burlington	14	17	0	1	30	13	2	16	0	93	----	----	----	----	----	----	----	----	----
Crattsbury	2	11	2	4	27	8	9	28	2	93	2	2	0	0	6	7	18	19	54
Rupert	----	----	----	----	----	----	----	----	----	----	2	1	0	1	2	51	4	7	68
St. Johnsbury	18	1	1	2	16	1	5	36	13	93	2	0	0	0	2	3	11	3	21
MASSACHUSETTS—																			
Amherst	3	6	0	15	5	11	3	43	0	86	0	2	0	1	0	5	4	17	29
Bridgewater	11	6	2	7	2	29	20	16	0	93	0	2	0	3	1	12	1	1	20
Cambridge	7	3	3	3	3	23	14	28	9	93	----	----	----	----	----	----	----	----	----
Canton	16	3	1	8	8	17	10	21	7	91	0	0	1	0	0	3	5	1	10
Florida	0	0	4	2	5	12	36	34	0	93	0	0	4	2	4	12	19	29	70
Lawrence	0	11	0	9	0	25	5	43	0	93	----	----	----	----	----	----	----	----	----
Mendon	3	3	1	0	4	40	4	38	0	93	3	5	1	1	4	37	14	16	81
Nantucket	7	14	2	7	8	20	8	27	0	93	----	----	----	----	----	----	----	----	----
New Bedford	5	11	1	6	0	30	3	37	0	93	0	0	0	0	0	2	8	8	18
Newburyport	18	1	0	1	14	5	12	9	0	60	----	----	----	----	----	----	----	----	----
Richmond	0	13	0	10	0	27	0	42	0	92	6	5	0	10	2	17	0	22	62
Westfield	6	9	3	11	5	13	12	34	0	93	0	0	0	0	0	0	1	1	2
Williamstown	11	0	5	6	11	10	13	20	5	81	0	1	0	0	0	0	0	0	1
Worcester	7	14	6	4	4	16	22	15	0	88	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	8	8	2	3	4	28	3	37	0	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	10	0	0	0	25	4	29	22	93	3	8	0	0	0	15	1	17	44
New London	7	4	0	4	0	29	1	48	0	93	----	----	----	----	----	----	----	----	----
Norwich	0	13	2	11	3	37	1	10	16	93	----	----	----	----	----	----	----	----	----
Pomfret	9	8	2	4	7	19	4	34	0	87	3	6	2	3	3	13	5	11	46
Saybrook	9	15	2	5	1	17	10	17	11	87	2	3	0	2	1	7	15	7	37
Wallingford	31	13	3	5	9	19	1	12	0	93	2	2	1	0	0	7	27	5	44
NEW YORK—																			
Baldwinsville	5	6	7	5	3	12	33	19	0	90	2	0	0	0	1	0	43	16	62
Bellport	27	13	2	6	8	14	13	10	0	93	----	----	----	----	----	----	----	----	----
Beverly	6	9	0	6	11	30	6	17	1	86	4	6	0	4	4	19	4	11	52
Buffalo	3	12	4	2	9	31	22	9	0	92	0	0	1	1	4	8	9	0	23
Canton	5	7	1	2	0	45	3	27	3	93	0	4	1	3	0	29	3	19	59
Cazenovia	3	4	2	6	18	17	8	33	1	92	0	1	1	3	2	8	22	30	67
Clinton	10	13	4	1	6	27	10	22	0	93	2	1	0	1	1	8	22	10	45

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Covert	1	1	0	23	5	17	10	30	6	93	0	0	0	1	2	8	15	9	35
Fishkill	2	26	3	18	11	15	8	10	0	93									
Flatbush	6	16	9	3	8	11	18	22	0	93	3	3	0	4	3	11	8	11	43
Fort Edward	15	16	2	1	1	23	12	22	0	92	0	1	7	20	5	0	0	0	33
Madrid	2	30	0	0	0	2	32	3	19	88	0	6	0	0	1	5	21	3	36
Morrisania	9	6	8	7	9	10	26	14	0	89									
New York city	0	11	2	20	5	15	16	24	0	93	0	1	12	4	3	9	24	6	59
Nichols	17	0	3	20	29	3	3	18	0	93	13	0	0	2	8	12	9	17	61
Ogdensburg	2	8	3	1	8	5	2	1	0	30	2	8	3	1	8	5	2	1	30
Oswego	9	6	5	17	20	11	19	6	0	93									
Ovid	9	5	0	10	25	10	22	11	1	93	1	0	0	1	9	18	16	21	66
Pompey	11	4	1	9	24	9	14	21	0	93	0	0	0	0	1	0	0	0	1
Rochester	18	4	6	5	13	12	23	12	0	93	7	4	1	1	3	12	17	19	64
Sag Harbor	14	4	7	3	12	17	13	20	3	93	2	0	1	2	1	5	16	3	30
Saratoga	0	21	0	1	0	36	10	25	0	93	0	24	0	0	0	34	9	26	93
Spencertown	35	3	0	4	25	8	0	11	0	86	4	0	0	0	7	2	0	8	21
Wampsville	2	1	11	11	17	15	32	4	0	93	0	1	10	7	15	4	31	4	72
Waterford	36	1	0	2	21	5	14	8	5	92	0	0	0	0	2	2	4	0	8
Wellsville	0	0	61	0	1	0	27	4	0	93	0	0	0	0	0	2	1	0	3
NEW JERSEY—																			
Bloomfield	4	19	0	4	0	19	2	39	0	87									
Burlington	9	12	14	6	4	13	14	17	2	91	1	7	2	1	2	6	15	10	44
Lambertville	2	11	2	6	4	18	3	39	0	85									
Newark	8	12	0	6	1	14	5	16	0	62									
Sergeantsville	11	16	12	2	1	17	21	13	0	93	7	11	9	1	1	2	8	6	45
PENNSYLVANIA—																			
Bedford	0	2	0	10	1	30	6	29	0	78	3	19	7	25	0	0	0	5	59
Berwick	4	3	23	3	3	6	44	7	0	93									
Cannonsburg	0	1	23	9	0	11	45	4	0	93									
Chromedale	8	17	3	4	4	7	1	20	29	93	0	3	1	2	1	10	17	15	49
Easton	5	10	2	6	2	4	20	21	15	85	2	0	0	2	2	6	11	17	40
Fleming	1	1	7	14	1	13	12	42	2	93	1	0	0	0	2	10	13	34	60
Gettysburg	11	10	1	0	21	17	6	21	6	93	0	2	0	1	7	14	26	18	68
Harrisburg, [Heisely]	10	1	6	21	4	0	10	37	0	89	3	0	0	6	0	0	5	11	25
Harrisburg, [Hickok]	16	7	14	6	9	8	24	9	0	93	0	1	0	0	5	2	13	1	22
Lewisburg	10	2	3	9	8	17	14	21	9	93	3	0	0	0	5	11	5	14	38
Meadville	7	0	1	8	23	14	8	12	15	88	3	1	0	3	1	8	14	18	48
Morrisville	8	11	11	5	5	24	12	16	1	93	3	7	3	8	2	13	15	14	65
Mount Joy	0	3	0	36	1	1	2	1	49	93	0	0	0	1	1	2	0	4	8
Murrysville	3	12	16	4	1	33	10	6	8	93	0	0	0	1	0	17	14	17	49
Norristown	1	3	12	8	3	10	38	6	0	81	0	0	5	2	0	6	57	0	70
North Whitehall	2	6	5	0	0	3	26	13	38	93	2	1	0	0	0	7	13	7	30
Philadelphia	4	15	1	7	2	17	11	36	0	93	0	0	1	1	1	8	5	15	31
Pittsburg, [Martin]	1	2	17	2	5	16	25	4	21	93	0	0	0	0	0	14	17	7	38
Pocopson	13	5	9	3	4	21	22	11	0	88	2	0	1	0	1	2	14	4	24
Shamokin	0	0	6	2	39	10	32	1	0	90	0	1	0	0	0	0	74	1	76
Somerset	1	0	2	7	16	9	31	10	12	88	0	0	0	6	2	6	43	9	66
Tarentum	7	5	7	8	11	12	1	13	29	93	1	0	0	0	3	17	28	17	66
West Haverford	0	8	0	4	4	9	7	27	3	62	0	1	2	2	0	7	13	19	44
Westtown	4	11	6	10	8	10	6	35	0	90	5	1	0	2	4	0	11	21	44
DELAWARE—																			
Milford	6	11	3	4	5	16	11	16	0	72	8	0	1	1	6	2	31	1	50
Newark	7	13	4	4	1	14	4	35	0	82	0	0	0	0	0	1	1	4	6
MARYLAND—																			
Annapolis	11	21	6	2	15	14	0	9	15	93	1	0	0	0	1	15	3	0	20
Baltimore	11	13	11	7	3	11	11	23	0	93									
Bladensburg	0	5	6	1	2	8	1	9	0	32									
Chestertown	11	2	3	1	5	4	13	3	0	42									
Frederick	10	18	1	3	4	16	14	14	13	93	1	0	0	1	4	0	33	7	46
Leonardtown	9	19	6	10	10	15	5	19	0	93	1	3	1	1	1	9	7	30	53
Sykesville	11	15	8	13	15	10	11	10	0	93	0	1	5	5	8	11	53	1	84

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
DISTRICT OF COLUMBIA—																			
Washington	2	5	4	3	9	4	2	7	9	45	3	1	0	0	0	3	3	3	13
VIRGINIA—																			
Alexandria	10	19	5	4	27	4	5	19	0	93									
Ashland	3	0	0	5	2	23	0	16	41	90	0	0	0	0	0	5	25	2	32
Crichton's Store	27	13	2	0	11	20	6	12	2	93	0	0	0	0	0	0	5	0	5
Lewisburg	0	0	0	0	0	0	2	0	0	2	0	0	3	3	1	5	21	1	34
Montross	9	7	4	6	8	6	7	12	34	93	3	1	3	1	4	7	12	4	35
Mossy Creek	3	9	3	8	9	35	9	17	0	93	1	1	0	2	0	25	6	12	47
Poplar Grove	0	1	12	4	0	3	10	13	35	78	0	0	0	0	0	16	28	0	44
Portsmouth	5	23	4	6	1	17	8	29	0	93									
Rose Hill	2	23	3	8	7	14	7	4	7	75	0	0	0	0	0	0	2	1	3
Rougemont	6	9	5	0	5	10	29	3	3	70	0	2	1	0	1	8	15	2	29
Salem	3	14	12	2	0	18	24	20	0	93	0	7	26	3	0	5	15	3	59
Smithfield	11	22	5	10	10	15	11	9	0	93	2	7	2	3	3	1	21	15	54
Winchester	2	0	4	2	5	3	17	2	56	91	0	0	0	0	0	0	4	0	4
Wirt Court-House	2	4	0	13	4	20	4	28	18	93	1	0	0	1	4	35	3	35	79
NORTH CAROLINA—																			
Chapel Hill	24	21	6	2	3	11	17	9	0	93	5	5	0	0	1	22	4	0	37
Davidson College	1	21	0	3	0	15	5	15	30	90	1	3	0	1	1	26	2	4	38
Marlborough	15	12	3	0	2	4	5	16	3	60	4	5	3	2	2	3	3	9	31
Murfreesborough	1	20	6	2	1	12	22	8	11	83	1	11	4	2	1	7	15	4	45
SOUTH CAROLINA—																			
Aiken	1	5	0	0	1	3	1	0	0	11									
All Saints	19	22	3	5	11	15	11	7	0	93	1	8	2	1	2	31	16	2	63
Charleston, [Dawson]	3	29	1	6	0	13	1	9	0	62									
Charleston, [Johnson]	2	7	1	5	2	4	4	11	0	36									
St. John's	0	15	1	27	1	17	0	19	0	80	7	3	1	1	2	3	7	19	43
GEORGIA—																			
Athens	2	17	12	6	1	1	7	22	19	87	0	1	2	0	0	0	1	0	4
Hillsborough	2	28	7	13	1	11	9	22	0	93									
Savannah	14	24	8	5	2	17	9	14	0	93	0	0	0	0	1	1	3	0	5
Sparta	5	26	10	8	4	11	15	14	0	93	0	4	0	3	2	13	15	2	39
Whitemarsh Island	5	21	11	4	3	10	4	11	23	92	1	3	2	1	1	5	11	10	34
Zebulon	6	7	29	7	4	6	19	12	0	90	4	0	2	0	3	3	0	7	19
FLORIDA—																			
Alachua County	7	24	23	4	4	3	16	6	0	87									
Alligator	4	42	3	3	3	8	8	9	13	93	0	5	2	2	4	12	6	5	36
Atsena	12	29	10	6	5	9	9	6	7	93	4	23	8	5	5	7	6	4	62
Belair	13	25	13	9	0	1	8	8	16	93	2	1	0	8	0	23	24	7	65
Jacksonville	1	42	0	4	1	20	2	21	2	93	2	15	1	7	1	29	6	3	64
St. Augustine	29	12	9	6	0	11	0	26	0	93	18	11	9	4	0	15	1	25	83
Salt Ponds	8	22	13	9	2	0	2	4	2	62									
Warrington	2	46	2	19	1	7	0	16	0	93	0	0	0	0	0	0	0	1	1
ALABAMA—																			
Auburn	15	3	11	24	13	5	14	8	0	93	2	3	9	16	7	4	14	1	56
Carlowville	14	10	2	6	10	6	36	9	0	93	0	0	1	0	2	1	8	1	13
Greene Springs	5	3	13	18	2	10	11	3	15	80	0	3	0	5	1	6	4	7	26
Greensborough	12	6	4	29	3	3	5	31	0	93	3	0	2	8	2	3	35	4	57
MISSISSIPPI—																			
Columbus	13	7	15	21	6	4	17	10	0	93	1	0	0	8	4	6	20	5	44
LOUISIANA—																			
Black River	36	5	2	15	22	1	1	11	0	93	1	0	2	2	12	18	19	3	57
New Orleans	0	51	0	10	0	6	0	26	0	93									
TEXAS—																			
Austin, [Palm]	33	4	4	2	14	14	13	8	1	93	7	0	2	6	4	6	7	3	35
Austin, [Van Nostrand]	33	1	2	3	25	6	18	2	2	92	5	0	1	1	13	13	10	1	44
Goliad County	35	17	8	17	5	1	2	8	0	93	4	0	0	4	10	15	11	3	47
Larissa	11	9	8	11	4	3	1	1	8	56	1	2	4	2	4	1	16	0	30
Union Hill	23	0	6	6	29	4	1	5	19	93	21	0	1	0	35	2	8	2	69
Washington	27	0	0	0	30	0	0	0	27	84	3	2	0	0	1	0	0	0	6
TENNESSEE—																			
Glenwood	8	13	6	23	11	11	3	9	9	93	0	3	0	3	7	16	32	5	66

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—																			
Lardstown	9	15	5	12	10	20	12	10	0	93	3	5	1	2	5	22	17	11	66
Danville	5	5	8	9	3	37	16	10	0	93	0	2	2	2	3	29	18	6	62
Paris	8	4	8	9	8	30	14	11	0	92	0	2	0	2	11	7	29	0	51
Springdale	3	14	9	0	9	18	14	6	20	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	0	6	7	16	7	20	17	19	0	92	0	3	0	11	0	36	9	14	73
Bowling Green	0	2	1	2	0	4	3	1	0	13	----	----	----	----	----	----	----	----	----
Cincinnati, [Harper]	1	0	3	0	2	40	25	22	0	93	----	----	----	----	----	----	----	----	----
Cincinnati, [Hurtt]	1	0	7	15	6	12	27	6	11	85	0	0	8	8	10	8	16	5	55
Cleveland	8	6	3	17	20	10	14	11	0	89	2	0	0	0	0	10	15	7	34
Edinburg	0	39	6	19	0	7	2	8	12	93	0	2	0	2	1	30	19	21	75
Hillsborough	0	12	0	22	0	32	0	25	0	91	0	2	0	0	0	14	0	2	18
Hiram	9	5	3	13	25	21	4	8	1	89	1	0	0	2	5	7	7	10	32
Jackson, (Jackson Co.)	10	6	17	4	7	7	25	5	12	93	2	2	4	5	10	13	34	4	74
Jackson, (Monroe Co.)	16	9	1	5	20	11	0	0	25	77	0	2	0	0	0	0	0	0	2
Jefferson	0	7	1	21	1	45	3	15	0	93	0	4	2	13	1	40	4	14	78
Madison, [Atkins]	8	5	0	5	20	9	17	4	19	87	3	0	0	0	5	2	11	2	23
Madison, [King]	3	5	3	12	12	21	9	12	15	92	1	2	1	1	6	31	19	13	74
Medina	4	3	9	10	17	24	12	8	0	87	11	22	30	8	3	2	5	6	87
Mount Union	1	3	0	9	4	12	8	6	9	52	1	11	3	6	2	0	0	4	27
New Lisbon	1	10	0	15	6	30	9	21	1	93	0	1	0	7	1	29	15	23	76
Northwood	6	1	7	16	7	25	15	14	0	91	1	0	0	0	1	0	0	1	3
Ripley	2	0	0	12	3	3	8	19	19	66	1	0	0	0	0	0	2	11	14
Savannah	0	3	1	27	0	17	10	35	0	93	1	3	1	22	0	13	6	29	75
Urbana	0	1	1	15	8	16	14	13	25	93	0	1	0	0	6	20	27	12	66
Welchfield	2	3	4	24	6	31	14	9	0	93	0	0	0	1	0	3	1	0	5
Westerville	8	5	1	1	18	33	4	23	0	93	2	1	1	0	11	31	10	24	80
MICHIGAN—																			
Battle Creek	6	3	6	13	13	11	21	9	11	93	3	2	2	1	3	13	33	13	70
Cooper	4	1	9	3	3	14	34	2	23	93	1	0	1	2	1	11	10	0	26
Grand Rapids, [Currier]	0	8	11	11	20	26	6	16	10	88	0	0	0	1	1	3	4	2	11
Grand Rapids, [Streng]	0	4	10	25	7	15	19	13	0	93	4	1	5	5	7	14	31	12	79
Marquette	1	10	1	17	6	15	15	28	0	93	----	----	----	----	----	----	----	----	----
Monroe	3	0	3	12	0	47	0	28	0	93	3	0	3	14	0	33	0	30	83
New Buffalo	----	----	----	----	----	----	----	----	----	----	2	0	1	10	1	21	14	20	69
Port Huron	1	3	1	14	15	24	11	23	1	93	1	0	3	3	2	17	18	14	58
INDIANA—																			
Evansville	6	11	7	12	7	12	20	17	1	93	0	0	2	2	2	35	5	6	52
Logansport	2	3	1	17	3	14	40	13	0	93	----	----	----	----	----	----	----	----	----
Madison	1	11	6	13	3	22	13	24	0	93	0	6	5	11	3	16	13	9	63
Michigan City	15	1	0	12	57	7	7	11	3	93	9	0	0	3	13	6	7	11	49
New Harmony	7	1	8	4	10	16	10	10	0	66	0	0	0	0	3	1	0	0	4
Richmond, [Moore]	2	0	5	6	10	18	18	7	26	92	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	1	7	1	36	0	27	3	15	0	90	0	0	0	2	0	12	24	8	46
Augusta	0	6	7	17	13	15	20	10	5	93	0	1	1	7	6	3	20	5	43
Aurora	5	3	9	16	10	16	23	11	0	93	1	0	2	8	3	18	26	10	68
Batavia, [Mead]	0	12	0	17	0	39	12	13	0	93	0	9	0	8	0	25	13	17	72
Brighton	3	1	2	15	24	17	15	16	0	93	0	0	0	18	10	15	2	7	52
Edgington	4	7	0	11	21	25	8	17	0	93	0	1	0	9	20	32	5	16	83
Elgin	4	5	3	7	12	10	17	16	19	93	2	1	1	0	0	4	8	5	21
Fremont Centre	0	8	12	5	19	17	16	16	0	93	----	----	----	----	----	----	----	----	----
Manchester	6	5	3	3	24	23	25	4	0	93	2	2	2	2	14	16	20	2	60
Marengo	1	4	0	24	7	38	19	0	0	93	----	----	----	----	----	----	----	----	----
Ottawa	2	3	4	19	4	21	12	14	6	85	0	0	0	1	7	3	5	6	22
Pekin	8	2	5	15	28	8	7	18	2	93	1	2	0	4	3	11	12	7	40
Peoria	6	4	9	6	17	4	12	5	0	93	0	1	0	0	1	0	7	0	9
Riley	3	2	7	10	16	5	28	19	3	93	----	----	----	----	----	----	----	----	----
South Pass	2	3	5	10	20	9	17	8	19	93	----	----	----	----	----	----	----	----	----
Waynesville	2	1	8	4	22	3	19	3	0	62	----	----	----	----	----	----	----	----	----
West Salem	0	12	3	16	18	10	1	16	17	93	0	0	0	0	2	18	26	0	46
West Urbana	2	17	0	11	8	31	4	17	0	93	0	0	0	0	4	1	0	0	5

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or Variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Wheaton	4	5	5	10	13	24	11	17	4	93	2	0	0	0	3	12	9	10	36
Winnebago	0	9	1	26	6	25	3	23	0	93	0	0	0	0	0	9	3	17	29
MISSOURI—																			
Cape Girardeau	13	28	2	14	24	18	5	19	1	124	3	1	3	3	13	30	16	26	94
St. Joseph	0	9	0	31	0	29	0	19	23	111	----	----	----	----	----	----	----	----	----
St. Louis	8	5	7	22	6	16	21	8	0	93	----	----	----	----	----	----	----	----	----
Springfield	3	10	1	12	8	15	4	8	23	84	3	6	1	5	10	9	3	4	41
WISCONSIN—																			
Appleton	6	15	1	3	0	51	3	14	0	93	8	12	1	2	1	31	2	10	67
Bay City	0	20	6	2	3	35	12	15	0	93	1	0	0	0	0	12	6	4	22
Beloit	13	0	1	9	38	11	8	13	0	93	0	0	0	0	0	1	0	0	1
Janesville	3	5	7	13	11	14	19	14	7	93	----	----	----	----	----	----	----	----	----
Kenosha	7	3	1	5	23	25	14	3	9	90	----	----	----	----	----	----	----	----	----
Lind	1	3	5	2	3	3	20	1	4	42	1	1	2	0	0	0	4	0	8
Madison, [Sterling]	5	3	4	8	15	17	9	13	1	75	0	0	0	1	0	3	1	0	5
Manitowoc	9	4	6	10	13	9	22	20	0	93	4	1	0	1	1	4	5	4	20
Menasha	4	4	11	6	4	11	13	10	30	93	3	6	9	4	4	3	10	9	48
Milwaukee, [Pomeroy]	3	6	3	20	2	22	17	20	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	0	13	3	21	3	11	18	24	0	93	----	----	----	----	----	----	----	----	----
New London	7	3	2	0	11	22	35	13	0	93	9	3	0	0	12	18	3	21	66
Platteville	4	3	4	38	3	11	7	23	0	93	4	4	4	27	1	9	5	14	68
Racine	15	1	1	20	13	7	24	0	6	87	6	0	0	1	0	6	2	0	15
St. Croix	15	8	0	7	14	7	2	9	11	73	2	0	0	3	5	7	1	6	24
Waukesha	14	2	1	1	11	7	27	6	23	92	0	0	0	0	0	1	0	2	3
IOWA—																			
Bellevue	1	1	5	25	3	15	14	28	0	92	0	0	1	7	1	8	4	6	27
Border Plains	5	0	6	19	23	5	3	28	4	93	0	0	0	0	1	5	5	4	15
Camanche	0	2	9	15	8	16	16	0	25	91	18	7	6	0	0	0	1	1	33
Dubuque	21	5	1	14	9	15	3	14	11	93	3	2	0	2	1	11	1	18	38
Fairfield	1	0	0	16	9	16	3	15	33	93	1	2	1	4	0	0	0	1	9
Fort Madison	4	3	1	21	3	30	2	27	2	93	1	1	3	3	1	21	11	11	52
Franklin	2	7	6	18	7	19	9	15	10	93	----	----	----	----	----	----	----	----	----
Iowa City	1	0	6	30	3	8	20	14	11	93	0	0	0	0	0	1	1	3	5
Muscatine	4	0	1	8	14	22	24	20	0	93	0	0	0	0	0	4	0	1	5
Pleasant Plain	0	3	4	17	16	17	14	19	0	90	0	0	0	0	3	5	7	4	19
Rossville	6	4	8	12	8	14	10	16	15	93	----	----	----	----	----	----	----	----	----
Sioux City	4	9	3	36	4	0	6	30	0	92	0	2	0	10	4	0	0	9	25
MINNESOTA—																			
Burlington	6	0	0	0	8	7	7	3	0	31	----	----	----	----	----	----	----	----	----
Hazlewood	4	7	9	4	22	12	10	25	0	93	0	0	11	0	1	0	1	2	15
Lapham	1	1	2	2	7	9	6	1	0	29	----	----	----	----	----	----	----	----	----
Princeton	6	4	16	4	6	6	18	11	22	93	3	2	7	2	4	4	16	5	43
Wabashaw	1	3	1	7	19	13	21	10	18	93	4	3	3	3	0	0	0	1	14
NEBRASKA—																			
Bellevue	22	1	6	6	34	6	8	8	2	93	10	3	5	3	12	7	5	5	50
Omaha	7	2	0	19	12	14	6	17	16	93	3	1	1	10	12	3	3	12	45
KANSAS—																			
Burlingame	3	3	3	24	10	12	8	13	17	93	----	----	----	----	----	----	----	----	----
Lawrence	11	6	20	18	17	7	7	7	0	93	0	0	0	0	1	0	0	0	1
Leavenw'h C'y, [McCarty]	8	7	8	17	25	13	4	8	3	93	1	1	1	3	4	16	3	5	34
Mapleton	7	9	17	5	8	15	19	11	2	93	0	2	1	0	0	1	0	0	4
Topeka	0	0	4	3	13	4	7	3	8	42	0	0	3	0	6	3	0	0	12
DACOTAH—																			
Fort Union	2	8	1	0	5	20	30	27	0	93	----	----	----	----	----	----	----	----	----
OREGON—																			
Fort Thompson	3	1	1	8	7	9	0	12	0	41	----	----	----	----	----	----	----	----	----
MEXICO—																			
Cordova	13	13	4	4	5	12	3	6	2	62	----	----	----	----	----	----	----	----	----
Mirador	12	21	18	81	18	30	0	0	0	180	----	----	----	----	----	----	----	----	----
Vera Cruz	13	0	0	0	1	0	0	0	0	14	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	45	0	1	0	46	1	0	0	0	93	----	----	----	----	----	----	----	----	----

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
California—Continued.																			
Sacramento	16	11	8	25	8	2	1	22	0	93	0	3	0	7	4	4	10	3	31
San Francisco	20	6	1	1	13	5	1	11	35	93	4	1	3	2	9	12	14	15	60
West Indies—																			
Centre Signal Station, Ber.	6	4	2	0	2	4	2	4	0	24	----	----	----	----	----	----	----	----	----
Nassau, Bahamas	0	20	8	16	0	0	0	8	0	52	----	----	----	----	----	----	----	----	----
St. George's, Bermuda	2	11	1	3	1	8	1	4	0	31	----	----	----	----	----	----	---	----	----
South America—																			
Cathar'a Sophia, Surinam.	1	41	17	12	1	0	0	0	0	72	0	12	36	13	0	0	0	0	61

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	15	6	0	0	1	22	23	19	0	86	11	6	0	0	0	17	12	11	57
Red River Settlement	9	2	4	1	11	7	8	23	18	83	1	2	1	14	3	0	1	1	23
Rigolet	3	3	6	1	1	1	29	10	2	56	----	----	----	----	----	----	----	----	----
St. John's	2	7	0	6	0	14	11	44	0	84	----	----	----	----	----	----	----	----	----
St. Martin	0	20	0	8	2	39	12	12	0	84	----	----	----	----	----	----	----	----	----
Stanbridge	3	5	5	21	13	3	24	3	7	84	----	----	----	----	----	----	----	----	----
Toronto	4	11	0	4	1	27	4	26	7	84	----	----	----	----	----	----	----	----	----
Windsor	3	0	2	3	2	11	32	15	12	80	0	0	0	0	0	1	1	0	2
Wolfville	0	1	3	2	0	3	23	44	8	84	0	0	2	2	0	5	19	20	48
MAINE—																			
Cornish, [Guptill]	4	3	1	4	1	4	6	61	0	84	0	0	0	0	0	0	1	5	6
Cornish, [West]	2	5	1	2	8	22	29	15	0	84	1	0	0	0	0	0	1	1	3
East Exeter	5	4	2	3	0	9	12	49	0	84	4	5	0	1	0	10	12	32	64
Gardiner	1	10	0	6	1	11	2	45	8	84	0	0	0	0	2	18	3	8	31
Monson	2	5	5	0	8	2	1	59	0	82	----	----	----	----	----	----	----	----	----
Perry	2	2	0	7	0	10	6	57	0	84	1	2	0	3	1	7	5	5	24
Portland	4	7	1	0	5	7	28	30	0	82	0	0	0	0	3	5	15	5	28
Steuben	2	15	0	2	0	14	7	39	5	84	1	2	0	0	0	19	16	6	44
NEW HAMPSHIRE—																			
Concord	2	11	0	2	0	11	2	51	0	79	----	----	----	----	----	----	----	----	----
Francestown, [Bixby]	3	5	5	2	0	8	18	42	0	83	0	4	7	1	0	4	36	10	62
Shelburne	0	0	21	0	0	0	51	0	4	76	0	0	2	1	1	1	31	7	43
West Enfield	0	1	0	4	15	4	7	50	0	81	0	1	0	4	10	9	6	29	59
VERMONT—																			
Brandon	22	0	3	5	15	4	7	25	3	84	0	0	0	0	1	0	4	30	35
Burlington	7	9	2	0	2	22	1	39	0	82	----	----	----	----	----	----	----	----	----
Craftsbury	6	5	3	6	18	5	6	33	2	84	3	0	0	0	0	6	12	17	38
Rupert	----	----	----	----	----	----	----	----	----	----	1	0	0	4	0	57	0	0	62
St. Johnsbury	10	1	3	1	11	2	8	47	1	84	0	0	0	0	1	5	16	3	25
MASSACHUSETTS—																			
Amherst	5	3	0	10	4	7	5	49	0	83	0	0	0	0	0	6	2	17	25
Bridgewater	9	7	2	2	1	11	28	24	0	84	1	6	2	4	2	4	9	0	28
Cambridge	3	3	2	3	0	31	17	17	8	84	----	----	----	----	----	----	----	----	----
Florida	0	3	0	9	0	10	16	46	0	84	0	3	0	9	0	11	11	35	69
Lawrence	1	10	0	4	3	14	3	49	0	84	----	----	----	----	----	----	----	----	----
Mendon	1	6	0	0	0	15	4	58	0	84	1	4	0	0	1	3	5	44	58
Nantucket	2	12	1	4	2	11	7	42	3	84	----	----	----	----	----	----	----	----	----
New Bedford	6	8	2	3	1	19	1	44	0	84	1	2	3	3	3	4	8	8	32
Newburyport	6	2	3	2	10	1	19	31	0	74	0	0	0	0	0	2	0	0	2
Richmond	1	15	0	7	0	13	0	48	0	84	2	7	0	6	3	12	0	17	47
Westfield	7	11	1	7	1	12	22	23	0	84	0	1	0	0	0	3	0	0	4
Williamstown	3	1	5	10	4	2	16	39	1	81	0	5	1	1	0	0	0	0	7
Worcester	1	2	5	5	0	4	28	19	4	68	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	4	9	2	2	0	15	5	47	0	84	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	1	7	0	2	2	8	5	40	19	84	1	4	0	0	0	8	3	28	44
New London	8	13	0	2	3	15	2	41	0	84	----	----	----	----	----	----	----	----	----
Norwich	1	13	1	1	1	15	16	15	21	84	----	----	----	----	----	----	----	----	----
Pomfret	1	10	0	6	3	13	1	49	0	83	0	7	0	3	0	11	9	14	44
Saybrook	8	13	0	2	2	10	14	28	7	84	0	0	0	0	0	5	18	13	36
Wallingford	30	6	1	2	5	9	13	18	0	84	0	0	0	0	0	5	21	6	32
NEW YORK—																			
Baldwinsville	2	2	13	3	1	10	33	20	0	84	0	0	0	0	0	0	34	13	47
Beverly	10	5	0	5	4	21	3	29	1	78	3	2	0	1	6	13	16	7	48
Cazenovia	1	2	1	6	11	6	17	38	2	84	2	0	1	5	4	4	27	25	68
Covert	1	0	2	13	4	11	21	28	4	84	0	0	0	0	1	3	14	8	26
Eden	3	6	8	4	23	13	13	11	0	81	0	0	0	0	2	9	20	3	34
Nichols	7	1	1	29	6	3	13	24	0	84	7	0	1	8	4	8	11	19	58
Ogdensburg	4	4	1	2	4	8	4	5	0	32	----	----	----	----	----	----	----	----	----
Oswego	8	3	15	10	11	4	22	7	4	84	----	----	----	----	----	----	----	----	----
Sag Harbor	12	8	3	3	10	7	16	25	0	84	0	0	0	0	1	16	13	7	37

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Saratoga	0	14	0	0	0	36	5	29	0	84	0	15	0	0	0	34	8	27	84
Wampsville	1	0	16	0	9	3	48	7	0	84	2	0	17	0	7	3	37	6	72
NEW JERSEY—																			
Bloomfield	0	15	0	0	0	39	2	28	0	84									
Burlington	7	9	14	1	1	8	26	12	0	78	1	0	0	0	0	9	11	5	26
Lambertville	2	12	3	4	2	16	6	30	0	75									
Newark	2	14	0	2	0	13	5	20	0	56									
Sergeantsville	15	11	3	0	0	17	14	21	0	84	9	12	1	0	0	11	2	8	43
PENNSYLVANIA—																			
Bedford	0	0	0	10	0	9	2	51	0	72	0	2	2	31	0	0	0	11	46
Berwick	3	3	15	1	6	2	43	11	0	84									
Cannonsburg	0	1	20	0	0	8	47	7	1	84									
Chromedale	4	13	3	1	5	4	5	27	22	84	0	2	0	0	1	4	11	12	30
Easton	5	7	4	2	1	4	20	27	10	80	3	1	0	1	0	4	17	9	35
Fleming	3	3	7	9	0	11	16	35	0	84	0	0	1	1	0	3	21	27	53
Gettysburg	12	13	1	0	4	19	9	21	5	84	1	2	1	1	2	7	22	14	50
Harrisburg, [Heiselv]	5	4	10	12	9	0	5	37	0	82	0	3	1	2	2	0	1	18	27
Harrisburg, [Hickok]	4	9	12	1	5	12	28	13	0	84	1	0	0	0	2	5	8	0	16
Lewisburg	9	6	4	3	4	11	20	20	7	84	0	0	0	0	0	3	6	18	27
Meadville	1	0	1	5	13	11	17	11	23	82	0	0	0	2	2	4	19	5	32
Morrisville	1	16	4	1	2	21	11	26	2	84	1	9	2	0	0	15	17	11	55
Mount Joy	0	0	0	35	1	8	3	1	36	84	0	0	0	0	0	0	0	5	5
Murrysville	3	13	12	1	2	27	9	4	9	80	1	0	1	0	2	16	10	6	36
Norristown	2	5	6	5	0	1	42	11	0	72	0	1	8	0	1	2	39	2	53
North Whitehall	3	7	3	1	0	4	19	12	32	81	2	0	4	0	1	5	21	5	38
Philadelphia	2	14	1	5	0	21	11	30	0	84	0	0	0	0	0	3	10	7	20
Pittsburg, [Martin]	1	1	15	6	5	15	21	8	12	84	0	0	1	0	0	9	24	1	35
Pocopson	9	12	6	1	2	16	31	6	0	83	0	1	0	0	0	2	20	2	25
Reading	4	7	5	6	2	2	11	18	1	56	3	2	3	2	0	2	18	11	41
Shamokin	1	5	16	7	13	6	36	0	0	84	0	5	48	2	0	0	0	0	55
Somerset	3	1	1	5	6	14	27	8	19	84	0	0	0	3	0	6	35	6	50
Tarentum	5	7	4	2	6	21	2	4	33	84	0	0	0	0	1	13	26	7	47
West Haverford	2	7	1	3	7	7	4	22	3	56	0	1	1	0	0	1	10	12	25
Westtown	5	9	3	10	1	12	2	42	0	84	4	0	0	0	0	1	8	18	31
DELAWARE—																			
Milford	12	12	3	0	4	10	14	26	0	81	17	1	4	0	7	0	29	1	59
Newark	8	15	6	1	0	7	6	32	0	75	0	0	0	0	0	1	0	3	4
MARYLAND—																			
Annapolis	16	16	2	2	12	9	10	11	6	84	0	0	0	0	0	14	13	0	27
Baltimore	12	13	2	7	3	11	12	24	0	84	0	0	0	0	0	0	1	1	2
Bladensburg	0	6	1	0	0	8	1	18	0	34									
Chestertown	15	12	5	4	11	4	18	6	0	75									
Frederick	3	18	0	0	2	8	14	15	24	84	0	0	0	0	0	0	27	4	31
Sykesville	4	19	6	15	8	10	14	8	0	84	0	0	12	1	2	8	37	1	61
DISTRICT OF COLUMBIA—																			
Washington	6	10	5	3	11	7	9	22	11	84	1	1	0	0	0	6	13	4	25
VIRGINIA—																			
Alexandria	15	17	4	7	11	8	4	18	0	84									
Crichton's Store	23	2	8	0	13	25	10	2	1	84	0	0	0	0	0	3	2	0	5
Montross	3	3	6	2	5	9	15	13	28	84	0	0	0	1	1	8	10	2	22
Mossy Creek	0	16	0	6	7	40	4	11	0	84	0	3	0	0	0	20	1	7	31
Poplar Grove	1	4	11	1	0	7	12	23	25	84	2	4	0	0	1	9	26	7	49
Portsmouth	11	16	5	7	5	12	11	17	0	84									
Rose Hill	5	32	2	3	2	14	4	2	8	72	0	0	0	0	0	0	5	3	8
Rougemont	9	21	3	3	10	12	23	3	0	84	0	7	0	0	3	1	21	0	32
Salem	2	9	2	21	0	13	16	21	0	84	6	4	32	4	0	1	6	0	47
Smithfield	12	16	3	4	4	15	6	10	0	70	1	2	0	1	1	1	10	16	32
Winchester	2	3	0	0	0	0	10	9	60	84	0	0	0	0	0	0	3	0	3
Wirt Court-House	3	11	0	7	0	7	3	45	8	84	0	0	0	5	0	10	8	40	63
NORTH CAROLINA—																			
Chapel Hill	23	20	2	1	4	17	17	0	0	84	2	3	1	0	0	26	4	0	36
Davidson College	1	24	1	5	4	7	3	11	26	82	0	8	0	0	1	22	1	5	37

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—Cont'd.																			
Marlborough	34	12	2	0	6	9	5	8	6	82	10	13	0	2	0	5	5	17	52
Murfreesborough	3	22	4	3	1	9	16	10	10	78	1	11	0	0	0	4	17	4	37
SOUTH CAROLINA—																			
Aiken	1	6	1	0	1	6	1	0	0	16									
All Saints	23	6	7	9	9	14	11	5	0	84	12	5	0	1	0	19	12	3	52
Charleston, [Dawson]	1	21	5	6	0	11	2	9	0	55									
Charleston, [Johnson]	4	8	1	1	3	8	1	15	1	42									
St. John's	3	24	3	20	1	12	0	19	0	82	1	6	2	5	1	5	9	16	45
GEORGIA—																			
Athens	8	14	6	3	3	6	11	17	15	83	0	0	2	1	0	0	0	0	3
Hillsborough	4	16	6	1	0	18	20	19	0	84	0	0	1	1	0	0	0	0	2
Savannah	10	16	5	5	11	9	10	18	0	84	0	0	0	0	0	4	5	0	9
Sparta	6	19	5	3	2	20	13	16	0	84	1	10	1	1	0	8	18	7	46
Whitemarsh Island	9	18	4	0	7	7	4	13	22	84	1	3	0	0	1	8	8	6	27
Zebulon	0	12	21	2	2	16	21	10	0	84	4	3	4	0	0	1	5	4	21
FLORIDA—																			
Alachua County	8	6	2	11	2	28	2	20	0	79									
Alligator	15	16	0	0	0	18	4	23	8	84	4	0	0	0	0	19	9	6	38
Atsena	3	22	7	5	11	12	5	17	2	84	1	11	4	5	8	7	5	10	51
Belair	8	29	6	10	2	2	5	7	15	84	0	3	1	0	0	13	24	6	47
Jacksonville	3	18	0	1	4	29	5	23	0	83	0	6	1	1	0	33	3	7	51
St Augustine	14	27	1	1	0	10	2	29	0	84	8	15	0	0	0	8	1	26	58
Salt Ponds	9	14	7	7	3	3	0	12	1	56									
ALABAMA—																			
Carlowville	8	13	13	5	7	10	17	11	0	84	0	0	1	1	5	6	0	0	13
Greene Springs	14	8	7	7	0	12	7	17	8	80	9	3	3	0	2	1	5	10	33
Greensborough	6	7	3	16	8	7	5	32	0	84	4	2	4	3	0	8	17	6	44
MISSISSIPPI—																			
Columbus	15	10	14	1	11	5	12	16	0	84	3	1	1	0	1	9	22	5	42
Paulding	7	19	5	9	1	15	9	19	0	84	8	13	0	5	1	15	7	15	64
LOUISIANA—																			
Black River	32	7	1	11	24	1	1	7	0	84	5	2	0	0	2	18	13	1	41
New Orleans	0	35	0	4	0	13	0	32	0	84									
Trinity	15	2	3	1	27	3	2	1	6	60	3	3	0	0	5	7	4	2	24
TEXAS—																			
Austin, [Palm]	23	10	14	4	12	15	3	0	3	84	9	0	0	0	6	7	4	1	27
Austin, [Van Nostrand]	31	3	1	0	25	1	18	2	2	83	6	0	0	0	5	9	10	2	32
Goliad County	41	5	3	23	8	1	2	1	0	84	5	3	0	1	13	11	13	6	52
Larissa	12	10	7	14	10	12	5	11	0	81	3	2	2	0	4	5	4	3	23
Union Hill	21	5	4	4	27	3	8	1	11	84	27	0	6	0	14	3	9	1	60
Washington	26	0	0	1	34	1	1	1	14	78	3	4	2	0	2	0	0	0	11
TENNESSEE—																			
Glenwood	12	10	7	13	6	11	2	16	7	84	2	1	2	1	0	7	31	7	51
KENTUCKY—																			
Bardstown	5	8	5	4	12	14	13	15	0	76	1	1	1	1	3	19	11	8	45
Danville	5	1	10	4	8	11	20	25	0	84	0	1	2	0	0	11	28	5	47
Millersburg	2	5	10	3	0	2	7	8	16	83	0	3	8	0	0	6	11	9	37
Paris	6	14	0	6	10	22	14	12	0	84	0	0	0	0	7	2	17	0	26
Springdale	4	8	5	1	2	19	4	25	16	84									
OHIO—																			
Bellefontaine	5	16	2	4	1	14	18	21	0	81	4	13	2	1	0	20	6	17	63
Bowling Green	3	2	0	0	0	5	1	2	0	13									
Cincinnati, [Harper]	14	0	4	0	0	12	23	31	0	84									
Cincinnati, [Hurtt]	7	3	8	1	5	19	16	21	4	84	1	1	6	2	2	6	15	16	49
Cleveland	5	9	5	6	16	18	11	13	0	83	2	0	0	0	0	4	12	5	23
Edinburg	1	19	28	11	0	6	3	4	12	84	0	2	2	3	0	17	35	8	67
Hillsborough	0	16	0	13	1	27	0	27	0	84	0	0	0	1	0	13	0	2	16
Hiram	5	2	5	7	10	28	13	12	1	83	1	0	0	0	0	1	19	6	27
Jackson, [Jackson Co.]	16	1	22	3	1	0	19	4	18	84	5	1	5	1	0	1	39	4	56
Jackson, [Monroe Co.]	4	12	3	1	18	1	0	0	21	60	0	4	1	0	0	0	0	0	5
Jefferson	4	11	5	7	2	16	9	30	0	84	7	12	2	7	4	6	10	26	74
Madison, [Atkins]	4	2	3	5	14	14	15	3	24	84	0	0	0	0	2	2	6	0	10

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Madison, [King]	1	8	2	13	9	22	9	8	10	82	1	0	0	0	0	27	26	11	65
Medina	1	8	8	5	4	20	25	13	0	84	3	8	38	13	0	6	8	5	81
Mount Union	2	3	0	11	1	15	6	10	2	50	0	10	6	5	0	2	0	4	27
New Lisbon	7	7	6	12	4	22	14	12	0	84	4	5	5	10	5	14	12	13	68
Northwood	3	14	3	10	1	19	6	23	2	81	5	0	1	0	7	3	7	42	65
Ripley	5	0	1	15	0	1	0	21	21	64	0	0	0	1	0	0	0	9	10
Savannah	10	0	1	21	0	12	12	28	0	84	8	0	2	14	0	10	7	26	67
Urbana	2	10	6	7	2	13	13	11	20	84	1	0	4	0	1	8	31	8	53
Welchfield	3	0	7	15	2	27	18	12	0	84	0	0	0	0	0	3	1	0	4
Westerville	18	8	0	1	10	24	6	17	0	84	13	4	0	1	5	20	6	19	68
MICHIGAN—																			
Battle Creek	3	7	10	1	4	5	28	3	2	63	1	0	0	0	2	5	45	0	53
Cooper	0	0	8	0	1	3	49	0	23	84	1	0	4	4	12	10	14	9	54
Grand Rapids, [Currier]	1	22	3	8	1	24	11	5	7	82	0	0	0	0	0	3	3	1	7
Grand Rapids, [Streng]	3	15	15	3	4	13	25	6	0	84	0	0	3	0	3	4	54	13	77
Marquette	4	6	3	9	4	4	19	35	0	84	----	----	----	----	----	----	----	----	----
Monroe	0	0	3	3	0	13	0	27	0	46	0	0	3	3	0	11	0	26	43
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	6	3	4	1	6	14	35	69
Port Huron	4	10	2	3	5	29	20	10	1	84	0	0	0	1	0	17	18	5	41
INDIANA—																			
Evansville	18	8	10	4	4	6	21	6	0	77	0	1	2	0	0	6	25	1	35
Logansport	2	5	7	11	1	9	31	18	0	84	----	----	----	----	----	----	----	----	----
Madison	6	14	3	5	8	9	7	32	0	84	2	12	2	1	4	9	5	20	55
Michigan City	7	2	6	19	13	10	9	17	1	84	3	2	1	5	4	2	10	14	41
New Harmony	12	3	8	6	5	9	6	17	0	66	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	2	7	9	2	0	12	22	7	20	81	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	0	15	2	11	2	11	2	37	0	80	0	0	0	0	0	6	10	13	29
Augusta	0	12	4	7	12	7	13	26	3	84	0	3	2	1	0	1	13	10	30
Aurora	3	12	8	3	11	6	33	8	0	84	2	1	0	1	0	3	35	5	47
Batavia, [Mead]	0	21	0	4	1	19	20	19	0	84	0	20	0	2	0	5	16	13	56
Brighton	3	6	3	8	9	13	17	25	0	84	0	12	14	2	2	14	4	18	66
Edgington	4	18	1	5	6	8	4	38	0	84	3	18	1	3	2	9	4	34	74
Elgin	15	5	4	5	3	6	16	17	13	84	0	0	1	0	0	1	2	2	6
Evanston	5	11	6	8	1	18	18	17	0	84	0	0	0	1	0	0	0	0	1
Fremont Centre	8	7	6	1	9	26	24	3	0	84	----	----	----	----	----	----	----	----	----
Hillsborough	11	5	8	8	8	3	10	8	3	64	0	0	0	0	0	3	0	2	5
Manchester	9	8	7	3	14	3	20	19	1	84	6	8	5	4	11	2	12	13	61
Marengo	0	9	2	10	2	29	22	6	1	81	----	----	----	----	----	----	----	----	----
Ottawa	6	12	1	4	8	7	12	23	6	79	0	1	0	0	0	2	2	7	12
Perin	15	15	6	4	13	6	6	18	1	84	0	3	0	1	1	3	6	14	28
Peoria	11	10	10	2	1	7	33	10	0	84	0	0	1	0	0	0	3	1	5
Riley	2	14	4	2	2	10	21	21	8	84	0	0	0	0	0	1	0	0	1
South Pass	3	6	7	5	8	7	13	13	22	84	5	1	2	0	0	0	12	2	22
Waynesville	6	3	9	4	12	4	24	15	6	83	2	0	5	1	3	3	13	5	32
West Salem	13	8	4	6	13	3	4	16	17	84	0	0	0	0	0	10	23	6	39
West Urbana	9	15	4	14	7	6	7	22	0	84	0	0	0	0	0	0	2	1	3
Wheaton	6	10	4	6	0	28	11	18	1	84	0	0	0	0	1	1	9	6	17
Winnebago	5	17	1	7	1	21	6	26	0	84	1	1	1	0	0	1	8	9	21
MISSOURI—																			
St. Louis	4	8	5	16	5	12	24	10	0	84	----	----	----	----	----	----	----	----	----
Springfield	9	5	0	7	10	4	8	10	20	73	4	4	0	1	3	8	12	5	37
WISCONSIN—																			
Appleton	11	17	0	0	1	38	7	10	0	84	7	15	0	1	1	27	1	5	57
Bay City	3	25	0	0	4	31	7	14	0	84	0	0	0	0	0	12	6	4	22
Beloit	13	13	4	1	17	9	13	14	0	84	----	----	----	----	----	----	----	----	----
Janesville	9	12	4	0	13	12	18	13	3	84	----	----	----	----	----	----	----	----	----
Kenosha	4	4	6	5	5	18	19	14	0	75	----	----	----	----	----	----	----	----	----
Lind	3	10	0	0	11	7	36	5	3	75	1	0	0	0	4	1	14	0	20
Manitowoc	13	4	3	1	4	12	20	27	0	84	0	0	0	0	1	4	6	7	18
Menasha	1	14	3	1	6	15	19	12	13	84	1	11	4	0	0	12	7	5	40
Milwaukee, [Pomeroy]	4	7	3	6	0	20	12	29	0	81	----	----	----	----	----	----	----	----	----

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Milwaukee, [Winkler]	7	9	5	3	0	15	16	29	0	84	----	----	----	----	----	----	----	----	----
New London	0	0	5	1	0	19	36	20	0	81	4	0	3	0	0	9	22	18	56
Platteville	1	11	8	19	0	6	7	32	0	84	1	10	7	10	0	12	4	10	54
Racine	7	16	1	0	5	20	28	1	3	81	2	0	0	0	0	0	0	0	2
St. Croix	9	9	0	1	18	6	6	2	18	60	0	0	0	0	3	0	0	0	3
IOWA—																			
Bellevue	5	5	8	6	6	3	12	35	0	80	0	0	2	0	0	0	4	7	13
Border Plains	4	2	5	13	11	1	9	37	2	84	0	0	0	0	0	0	0	3	3
Camanche	5	6	18	1	3	8	28	2	8	79	1	5	9	0	0	0	5	2	22
Dubuque	18	7	3	10	14	6	2	17	7	84	0	1	0	2	1	3	6	11	24
Fairfield	2	9	1	7	5	8	3	32	17	84	2	1	0	0	0	1	0	1	5
Fort Madison	1	13	2	13	1	11	2	41	0	84	4	6	2	3	0	4	18	15	52
Franklin	10	7	11	8	3	9	9	22	5	84	----	----	----	----	----	----	----	----	----
Iowa City	3	4	6	18	0	5	4	40	4	84	----	----	----	----	----	----	----	----	----
Muscatine	6	4	10	6	7	5	29	17	0	84	0	0	0	0	0	0	2	2	4
Pleasant Plain	2	11	2	9	9	3	16	31	1	84	0	0	0	1	0	2	7	5	15
Poultney	10	3	7	4	7	3	8	25	11	78	0	0	0	0	1	1	1	8	11
Rossville	5	8	10	1	10	7	16	21	6	84	----	----	----	----	----	----	----	----	----
Sioux City	9	13	0	12	5	3	0	41	0	83	5	1	1	2	0	0	0	10	19
MINNESOTA—																			
Burlington	13	0	0	0	2	2	8	3	0	28	----	----	----	----	----	----	----	----	----
Hazlewood	6	7	7	4	8	6	8	35	0	81	4	2	9	1	0	1	2	5	24
Lapham	0	0	8	1	1	0	8	6	0	24	----	----	----	----	----	----	----	----	----
Princeton	9	7	10	0	11	9	18	14	6	84	2	1	10	0	1	3	5	0	22
Wabashaw	0	4	2	7	11	8	24	24	4	84	1	2	2	6	0	2	0	0	13
NEBRASKA—																			
Bellevue	36	9	6	0	14	1	10	3	0	79	16	7	4	0	3	5	7	4	46
Omaha	15	7	5	9	5	1	0	27	15	84	4	8	5	6	2	2	2	23	52
KANSAS—																			
Burlingame	12	4	2	14	4	4	5	27	12	84	----	----	----	----	----	----	----	----	----
Lawrence	19	17	10	15	0	2	5	16	0	84	----	----	----	----	----	----	----	----	----
Leaven'th City, [Berthoud]	0	28	1	1	0	7	0	16	7	60	0	28	0	7	0	7	0	13	55
Leaven'th City, [McCarty]	11	28	3	6	15	1	1	19	0	84	8	14	4	3	2	1	5	18	55
Manhattan	12	23	12	6	4	8	4	4	11	84	6	1	1	5	3	4	2	3	25
Topeka	15	12	3	5	9	6	7	14	12	83	0	0	0	0	0	0	1	3	4
MEXICO—																			
Cordova	8	20	0	3	9	6	2	8	0	56	----	----	----	----	----	----	----	----	----
Mirador	17	18	23	38	51	18	0	3	0	168	----	----	----	----	----	----	----	----	----
Vera Cruz	8	0	0	0	0	0	0	0	0	8	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	16	0	0	0	51	0	0	17	0	84	----	----	----	----	----	----	----	----	----
Sacramento	20	5	5	23	12	7	1	11	0	84	0	0	1	2	6	11	5	7	32
San Francisco	14	2	0	0	10	6	15	0	37	84	11	0	0	1	5	7	19	2	45
WEST INDIES—																			
Centre Signal Station, Ber	5	0	1	0	5	2	1	7	0	21	----	----	----	----	----	----	----	----	----
Nassau, Bahamas	0	14	8	2	0	8	8	8	0	48	----	----	----	----	----	----	----	----	----
St. George's, Bermuda	2	2	0	3	1	11	0	9	0	28	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	1	46	22	6	0	0	0	0	0	75	0	30	31	3	0	0	0	0	64

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	18	5	2	1	3	21	19	23	1	93	9	1	1	1	3	14	12	19	60
Red River Settlement	13	0	5	1	12	2	4	8	48	93	4	5	11	8	4	0	3	1	36
Rigolet	10	7	17	1	4	2	9	5	7	62									
St John's	3	12	0	14	2	31	21	10	0	93									
St. Martin	1	8	2	7	1	44	8	22	0	93									
Stanbridge	16	4	2	18	9	1	19	17	7	93									
Toronto	2	9	2	6	0	10	4	45	15	93									
Windsor	19	2	2	2	2	15	20	17	10	89	1	1	0	1	0	0	1	0	4
Wolfville	4	6	2	2	2	25	9	28	0	78	4	4	1	0	2	20	6	21	58
MAINE—																			
Cornish, [Guptill]	9	3	0	3	5	7	6	60	0	93	1	0	0	0	0	0	0	3	4
Cornish, [West]	4	8	2	0	10	16	26	27	0	93	2	0	0	0	0	0	3	2	7
Gardiner	2	23	1	8	0	5	1	38	15	93	3	1	0	2	1	2	1	16	26
Monson	16	2	5	0	5	3	5	56	1	93									
Perry	9	3	1	2	5	18	3	51	1	93	9	1	0	0	2	11	3	26	52
Portland	8	12	1	3	8	8	17	36	0	93	5	0	0	0	2	2	10	12	31
Steuben	13	23	0	1	0	16	7	26	7	93	9	8	0	0	0	6	8	8	39
NEW HAMPSHIRE—																			
Concord	4	8	6	1	1	1	1	60	0	82	1	0	0	3	0	0	0	1	5
Concord, [Colby]	0	9	0	4	0	8	2	46	0	69	0	0	0	0	0	0	0	3	3
Francestown, [Bixby]	3	5	0	0	2	7	15	34	0	66	0	3	0	0	0	10	19	14	46
North Barnstead	0	3	0	0	0	6	8	72	0	89	0	3	0	0	0	3	12	31	49
Shelburne	0	0	10	0	0	0	73	0	10	93	0	0	0	3	1	3	13	27	47
West Enfield	0	0	0	4	10	5	3	71	0	93	0	0	0	5	8	9	2	37	61
VERMONT—																			
Brandon	30	0	1	5	10	4	3	27	12	92	4	0	0	0	2	3	6	22	37
Burlington	23	21	1	1	5	11	2	29	0	93									
Craftsbury	2	13	1	9	18	2	5	40	3	93	8	5	0	2	2	3	8	13	41
Rupert											6	0	0	2	5	33	18	3	67
St Johnsbury	17	0	1	0	13	0	8	52	2	93	0	0	0	0	1	1	12	7	21
MASSACHUSETTS—																			
Amherst	4	4	1	15	3	7	8	49	0	91	2	1	0	1	2	3	2	18	29
Bridgewater	6	9	0	1	5	18	12	42	0	93	2	0	2	5	2	2	5	8	26
Cambridge	1	5	4	6	3	17	16	25	15	92									
Florida	2	0	0	3	1	8	40	39	0	93	1	0	0	0	2	9	25	30	67
Lawrence	0	4	0	11	0	23	3	52	0	93									
Mendon	0	3	0	0	2	54	13	18	0	90	1	1	0	0	5	27	16	13	63
Nantucket	7	12	0	5	3	18	10	34	4	93									
New Bedford	4	11	0	9	3	16	8	42	0	93	2	2	0	0	0	0	2	12	18
Newburyport	4	0	1	6	12	4	15	32	0	74									
Richmond	0	2	0	3	1	14	0	71	0	91	2	2	0	4	2	12	3	29	54
Westfield	5	6	2	8	4	10	36	18	0	89									
Williamstown	10	0	3	4	7	4	13	41	11	93	0	1	3	0	0	1	0	0	5
Worcester	14	3	3	3	4	13	31	15	0	86									
RHODE ISLAND—																			
Providence	2	6	0	3	12	10	4	56	0	93									
CONNECTICUT—																			
Columbia	1	6	0	0	0	11	8	45	22	93	1	1	0	0	0	7	2	29	40
Pomfret	5	6	0	3	7	7	3	59	0	90	3	2	0	2	3	4	0	26	40
Saybrook	12	3	4	5	3	9	12	33	11	92	3	3	0	0	1	4	5	14	30
Wallingford	11	7	0	4	16	4	5	46	0	93	2	1	0	0	0	3	19	12	37
NEW YORK—																			
Angelica	0	2	3	5	4	35	23	21	0	93	0	0	0	1	0	14	19	1	35
Baldwinsville	11	0	8	0	0	4	43	27	0	93	3	0	0	0	0	1	32	17	53
Bellport	13	3	6	4	7	8	19	33	0	93									
Beverly	12	6	0	6	3	25	3	33	1	89	2	3	0	1	4	20	20	8	58
Buffalo	5	8	1	3	10	37	21	8	0	93	0	0	0	0	0	1	1	4	6
Canton	4	7	0	3	1	12	11	25	6	69	1	3	0	0	0	9	3	14	30
Cazenovia	3	0	0	0	8	11	9	58	3	92	1	1	1	2	0	11	16	45	77
Clinton	4	2	1	0	5	23	15	43	0	93	5	0	0	0	0	10	6	33	54
Covert	4	2	0	9	2	6	34	25	10	93	1	0	0	0	1	4	16	13	35
Eden	2	0	2	4	32	21	13	6	0	80	0	0	0	0	0	8	27	4	39

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east	South.	Between south and west	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Fishkill	6	23	0	17	5	16	6	17	0	90									
Flatbush	10	7	4	2	9	4	18	39	0	93	2	1	0	2	0	1	6	18	30
Fort Edward	8	19	2	4	0	24	6	28	0	91	8	1	0	0	0	4	4	11	28
Morrisania	9	6	2	5	4	21	17	29	0	93									
New York city	0	8	0	14	1	19	25	26	0	93	0	1	1	2	0	18	28	4	54
Nichols	4	0	7	20	4	0	23	35	0	93	1	0	0	7	1	0	16	36	61
Ogdensburg	11	1	1	0	5	3	3	7	0	31									
Oswego	10	6	7	8	13	4	28	13	2	91									
Ovid	4	2	1	1	18	10	42	15	0	93	1	1	0	0	5	3	39	16	65
Pompey	6	4	0	0	2	10	37	34	0	93	0	1	0	0	0	0	0	0	1
Rochester	12	3	5	1	4	10	30	28	0	93	4	1	2	0	2	6	22	17	54
Sag Harbor	3	3	5	4	16	8	22	31	1	93	0	0	0	0	1	3	16	8	28
Saratoga	0	13	0	1	0	31	4	44	0	93	0	16	0	1	0	31	3	41	92
Spencertown	40	0	0	5	13	0	0	29	0	87	3	0	0	0	11	0	0	6	20
Wampsville	1	0	5	7	5	6	64	5	0	93	1	0	4	7	3	8	54	1	78
Waterford	15	3	0	2	6	10	33	16	8	93	1	0	0	0	1	1	2	4	9
Wellsville	0	1	76	1	0	0	13	2	0	93	0	0	0	1	0	1	1	1	4
NEW JERSEY—																			
Bloomfield	1	9	0	2	1	25	4	51	0	93									
Lumbertville	6	7	1	6	2	14	6	42	0	84									
Newark	7	5	1	5	0	12	5	27	0	62									
Sergeantsville	14	3	2	4	1	20	35	14	0	93	3	2	0	1	1	14	8	4	33
PENNSYLVANIA—																			
Bedford	0	0	0	8	0	13	4	56	0	81	0	8	0	32	0	0	0	5	45
Berwick	4	5	14	2	4	7	46	10	0	92									
Byberry	3	11	1	1	4	21	25	25	2	93	0	0	1	0	1	8	46	14	70
Cannonsburg	0	4	10	0	0	8	64	7	0	93	0	1	0	0	0	0	0	0	1
Chromedale	8	9	3	2	10	4	3	37	17	93	2	1	0	0	1	2	12	22	40
Easton	5	4	2	4	5	1	25	31	10	87	2	1	0	0	0	2	12	12	29
Fleming	2	6	2	7	0	24	14	37	1	93	2	0	0	0	0	5	7	39	53
Gettysburg	6	6	0	0	8	12	11	40	10	93	0	0	0	1	0	8	18	32	59
Harrisburg, [Heisely]	2	2	2	7	10	4	9	56	0	92	0	0	0	2	3	1	3	26	35
Harrisburg, [Hickok]	7	3	7	2	5	16	40	12	0	92	0	0	0	0	0	5	12	1	18
Indiana	11	4	0	5	13	19	11	30	0	93									
Lewisburg	12	6	3	1	5	6	11	33	16	93	2	0	0	0	1	2	7	20	32
Meadville	13	0	0	2	7	9	17	12	33	93	3	0	0	0	1	9	20	11	44
Morrisville	4	8	5	2	7	14	23	22	5	90	0	4	0	0	0	7	19	14	44
Mount Joy	1	3	2	27	0	2	0	7	50	92	0	0	0	1	0	0	1	0	2
Murrysville	0	10	8	2	0	31	12	16	14	93	0	0	0	0	0	7	14	25	46
Norristown	1	4	5	1	0	6	55	12	0	84	0	0	0	0	0	0	40	2	42
North Whitehall	3	3	0	0	2	5	18	31	31	93	1	0	0	0	0	1	18	15	35
Philadelphia	1	8	2	4	3	19	18	38	0	93	0	0	0	0	1	3	6	8	18
Pittsburg, [Martin]	1	2	6	4	8	15	33	8	16	93	1	0	1	0	2	8	23	4	39
Pocopson	9	6	2	1	4	18	26	20	0	86	2	0	0	0	0	4	10	17	33
Reading	4	2	3	3	1	5	17	26	0	61	3	0	0	0	1	4	16	14	38
Shamokin	1	0	1	0	17	8	66	0	0	93	1	0	0	0	0	0	48	2	51
Somerset	3	1	2	0	6	6	43	12	20	93	0	0	0	0	0	5	38	19	62
Tarentum	17	6	1	0	6	16	7	8	32	93	1	0	0	0	0	5	24	25	55
West Haverford	3	5	1	1	4	9	13	22	2	69	2	0	0	0	0	0	16	17	35
Westtown	7	2	4	2	1	17	6	54	0	93	2	0	0	2	0	0	6	22	32
DELAWARE—																			
Milford	3	6	1	2	0	9	14	25	0	60	3	1	2	0	0	2	20	2	30
MARYLAND—																			
Annapolis	12	8	2	5	7	19	13	18	5	93	1	0	0	0	0	9	12	1	23
Baltimore	7	6	1	3	5	10	23	33	0	88									
Bladensburg	1	4	2	4	0	16	2	33	0	62									
Chestertown	20	6	5	5	9	5	14	24	0	88									
Frederick	0	8	0	0	7	13	22	27	16	93	0	0	0	0	1	1	30	5	37
Sykesville	7	12	2	11	11	18	25	7	0	93	0	1	2	0	2	9	42	1	57
DISTRICT OF COLUMBIA—																			
Washington	6	7	2	4	14	4	8	31	13	89	0	0	0	0	0	1	6	4	11

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—																			
Alexandria	5	8	1	14	14	7	8	36	0	93									
Crichton's Store	22	4	6	2	11	30	13	3	2	93	0	0	0	0	0	3	11	0	14
Hartwood	18	5	0	3	1	13	0	5	4	49									
Lewisburg											0	0	2	0	1	3	10	2	18
Montross	1	1	5	3	5	13	21	15	29	93	2	0	0	1	0	1	14	9	27
Mossy Creek	5	20	3	4	1	3	29	5	23	93	1	4	0	0	0	15	4	23	47
Poplar Grove	0	1	10	3	0	11	22	19	27	93	1	0	0	1	0	14	14	24	54
Portsmouth	6	15	11	5	5	19	13	19	0	93									
Rose Hill	9	17	1	6	1	21	5	10	1	71	0	0	0	0	0	0	2	4	6
Rougemont	9	3	3	1	20	11	27	8	1	83	1	2	0	0	2	5	21	5	36
Salem	3	10	2	4	0	24	19	31	0	93	0	10	32	4	0	2	4	2	54
Smithfield	15	11	3	4	11	23	4	22	0	93	3	2	0	0	1	3	13	18	10
Winchester	5	3	0	1	5	12	19	10	37	92	0	0	0	0	0	0	0	2	2
Wirt Court-House	0	6	0	3	0	24	2	34	24	93	0	0	0	0	1	13	1	50	65
NORTH CAROLINA—																			
Chapel Hill	20	8	3	0	6	17	25	11	0	90	7	4	1	0	0	20	8	3	43
Davidson College	0	30	1	2	0	18	7	16	19	93	1	12	0	0	2	15	6	9	45
Marlborough	24	5	0	2	24	7	8	5	18	93	10	3	0	1	3	7	12	11	47
Murfreesborough	3	8	9	9	2	16	8	12	18	85	1	5	1	0	1	2	20	8	38
SOUTH CAROLINA—																			
All Saints	5	14	14	7	11	24	8	9	1	93	2	2	4	1	1	18	27	4	59
Charleston, [Dawson]	0	19	2	10	0	20	4	7	0	62									
Charleston, [Johnson]	4	8	0	4	5	4	1	2	5	33									
St. John's	0	15	1	27	1	16	0	20	0	80	6	3	1	1	2	3	8	19	43
GEORGIA—																			
Athens	2	5	10	6	14	7	12	16	17	89	0	0	1	0	0	0	0	0	1
Hillsborough	1	16	8	2	4	12	19	17	0	79	0	2	1	1	0	0	0	0	4
Savannah	3	11	22	8	15	15	8	11	0	93	0	0	0	0	1	4	7	1	13
Sparta	2	16	7	10	2	25	14	17	0	93	0	2	1	2	1	14	24	8	52
Whitemarsh Island	0	18	5	5	15	5	15	11	18	92	0	2	0	4	2	7	12	8	35
Zebulon	0	1	13	11	6	5	22	8	0	66	0	0	0	3	5	4	5	6	23
FLORIDA—																			
Alachua County	3	14	1	20	0	28	0	21	0	87									
Alligator	9	11	9	5	1	31	3	9	15	93	0	4	3	5	4	25	6	2	49
Atsena	9	9	14	5	7	22	14	7	6	93	2	15	4	6	2	12	3	2	46
Belair	6	6	15	18	8	5	7	9	19	93	3	0	1	5	5	16	18	4	52
Jacksonville	2	19	0	9	0	25	6	22	2	85	0	5	4	7	1	19	5	2	43
St. Augustine	4	36	6	12	0	0	3	32	0	93	2	24	5	11	0	0	1	21	64
Salt Ponds	9	12	11	15	9	0	2	4	0	62									
ALABAMA—																			
Greene Springs	3	1	30	4	5	9	12	5	20	89	3	1	0	0	8	9	11	13	45
Greensborough	10	9	2	28	11	11	5	17	0	93	0	0	0	2	7	10	25	7	51
MISSISSIPPI—																			
Columbus	13	13	12	8	21	3	8	14	0	92	0	1	2	1	6	11	19	8	48
Paulding	2	9	4	27	7	26	1	17	0	93	4	6	0	18	5	24	6	10	73
LOUISIANA—																			
Black River	14	5	2	31	24	4	4	9	0	93	2	1	0	5	20	21	8	4	61
New Orleans	0	56	0	0	0	0	0	37	0	93									
TEXAS—																			
Austin, [Palm]	15	3	2	16	21	31	0	5	0	93	4	0	0	4	2	3	4	7	24
Austin, [Van Nostrand]	10	0	5	1	17	1	17	6	6	93	2	0	1	2	28	2	3	5	43
Goliad County	19	0	0	62	3	0	0	8	0	92	5	0	0	7	7	8	9	3	39
Luissa	6	6	3	27	25	8	3	11	3	92	1	2	0	1	13	3	5	4	29
Union Hill	12	0	4	13	37	9	0	7	11	93	15	0	0	3	39	1	13	1	72
TENNESSEE—																			
Glenwood	14	13	12	16	13	4	1	14	6	93	1	1	1	1	3	3	8	28	46
Memphis	9	8	15	12	15	9	5	18	2	93									
KENTUCKY—																			
Bardstown	3	22	7	5	16	16	6	11	1	87	7	1	0	3	2	10	8	15	46
Danville	9	24	5	0	9	15	11	17	0	90	2	0	1	0	0	10	20	7	40
Millersburg	0	7	8	0	2	13	3	15	42	90	0	2	2	1	0	5	26	0	36
Paris	8	25	0	2	10	15	11	22	0	93	0	0	1	0	6	0	24	0	31
Springdale	0	13	8	1	3	19	12	12	25	93									

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Bellefontaine	7	17	3	6	2	19	14	21	0	89	1	5	0	1	0	38	10	13	68
Bowling Green	0	0	0	0	0	3	1	1	0	5									
Cincinnati, [Harper]	3	8	8	0	5	23	32	14	0	93									
Cincinnati, [Hurtt]	4	14	7	1	7	8	26	6	18	91	0	5	1	0	4	6	12	3	31
Cleveland	6	5	2	15	15	9	16	19	6	93	0	0	0	0	0	4	13	8	25
Edinburg	1	16	10	36	0	8	0	2	20	93	0	0	1	0	0	13	29	24	67
Hillsborough	0	28	0	13	1	22	8	21	0	93	0	0	0	0	1	10	3	5	19
Hiram	7	7	1	1	12	24	13	21	3	89	0	0	0	0	1	2	18	8	29
Jackson, (Jackson county)	15	0	12	0	5	0	43	0	18	93	6	0	3	0	4	0	27	1	41
Jackson, (Monroe county)	11	1	3	2	10	2	0	0	25	54	0	0	3	0	0	0	0	0	3
Jefferson	3	0	0	3	0	24	7	56	0	93	1	0	0	5	0	21	9	49	85
Madison, [Atkins]	4	3	1	1	13	14	15	11	30	92	0	0	0	0	0	0	11	0	11
Madison, [King]	5	3	1	7	10	20	12	19	13	90	0	0	0	0	1	19	27	16	63
Medina	10	3	4	5	5	21	12	33	0	93	4	18	28	30	5	3	2	3	93
New Lisbon	10	3	1	2	7	22	17	30	1	93	4	0	0	0	6	17	14	25	66
Northwood	7	5	5	6	5	17	20	20	8	93	4	2	0	2	4	12	13	23	60
Ripley	5	1	0	13	2	1	1	19	20	62	2	0	0	0	0	0	2	12	16
Savannah	3	2	2	16	1	14	12	43	0	93	2	0	0	12	0	15	6	30	65
Urbana	1	5	4	10	5	14	7	15	32	93	5	2	0	0	0	5	16	6	34
Welchfield	2	2	2	8	2	35	14	28	0	93	0	0	0	0	1	1	1	4	7
Westerville	8	1	0	0	23	21	4	34	2	93	4	0	1	0	0	4	13	18	40
MICHIGAN—																			
Battle Creek	2	1	16	5	15	11	19	12	12	93	1	0	0	0	0	15	35	9	60
Cooper	0	2	10	0	1	3	59	2	16	93	0	0	10	3	4	3	32	2	54
Grand Rapids, [Currier]	2	19	2	12	5	23	4	19	7	93	1	0	0	1	0	4	5	4	15
Grand Rapids, [Streng]	4	1	22	12	10	9	18	17	0	93	1	1	0	0	1	13	41	13	70
Marquette	6	13	4	19	7	7	2	35	0	93									
Monroe	0	4	4	15	4	1	9	56	0	93	0	4	4	14	2	0	4	48	76
New Buffalo											2	0	1	0	1	13	23	25	65
Port Huron	5	1	0	7	7	14	16	36	7	93	0	0	0	0	0	9	11	23	43
INDIANA—																			
Evansville	8	23	2	18	6	16	8	8	0	89	0	3	1	2	0	20	8	8	42
Logansport	0	2	2	21	5	20	24	19	0	93	0	1	0	0	4	21	25	16	67
Madison	5	8	10	11	7	12	21	19	0	93	2	5	7	6	6	8	5	8	47
Michigan City	18	2	3	22	24	6	6	10	2	93	13	1	0	0	16	3	6	5	44
New Harmony	8	1	18	8	14	4	11	13	0	77									
Richmond, [Moore]	0	3	5	4	2	6	9	4	17	50									
ILLINOIS—																			
Athens	2	18	7	21	6	14	0	23	0	91	0	0	0	0	0	2	27	12	41
Augusta	5	4	18	14	11	11	15	14	1	93	0	1	2	2	3	6	23	0	37
Aurora	1	13	13	2	21	11	19	13	0	93	3	0	0	0	1	18	26	15	63
Batavia, [Mead]	0	18	0	17	3	30	7	18	0	93	0	8	0	3	0	17	6	35	69
Brighton	3	2	7	14	20	27	10	7	0	90	0	2	3	16	5	20	3	13	62
Edgington	1	17	2	14	4	27	4	24	0	93	1	11	2	8	3	42	3	21	91
Elgin	8	13	4	6	14	8	10	13	17	93	0	0	0	0	0	1	1	1	3
Evanston	12	13	0	10	12	8	13	22	0	90	0	0	0	1	0	0	0	0	1
Fremont Centre	0	15	13	12	18	11	7	17	0	93									
Hillsborough	4	1	14	1	2	3	5	11	3	44	0	0	0	0	0	0	2	1	3
Jacksonville	2	2	3	5	7	5	3	4	0	31									
Manchester	5	7	9	3	30	7	20	12	0	93	5	4	6	2	21	7	13	5	63
Marengo	0	5	3	32	8	32	10	3	0	93									
Ottawa	0	14	8	12	8	18	4	21	5	90	1	1	0	0	1	7	2	14	26
Pekin	6	8	9	14	21	7	0	28	0	93	5	1	0	3	3	7	8	13	40
Peoria	7	9	20	1	18	2	34	2	0	93	2	0	0	0	0	1	5	1	9
Riley	1	1	13	5	10	10	26	17	10	93									
South Pass	3	11	8	5	9	12	19	6	20	93	10	3	2	1	5	2	12	5	40
Waynesville	5	3	21	0	13	3	29	5	13	92	0	0	2	0	5	4	15	2	28
West Salem	7	7	9	8	18	1	3	18	22	93	0	0	0	0	3	14	35	3	55
West Urbana	4	17	4	9	16	14	7	22	0	93	0	0	1	0	4	0	4	4	13
Wheaton	4	8	14	2	6	24	14	13	8	93	0	2	1	0	1	6	13	11	34
Winnebago	1	10	6	23	8	16	7	22	0	93	1	0	1	0	0	9	12	17	40

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI—																			
St. Louis	12	11	14	13	11	14	16	2	0	93	----	----	----	----	----	----	----	----	----
Springfield	6	4	1	10	30	2	3	2	22	80	5	2	1	1	12	9	6	1	37
WISCONSIN—																			
Appleton	8	30	4	2	1	31	5	12	0	93	4	24	0	2	1	25	5	6	67
Bay City	2	39	0	11	7	21	1	12	0	93	0	2	0	0	0	13	1	9	25
Beloit	10	7	3	20	15	11	8	19	0	93	2	0	0	0	0	4	4	2	12
Janesville	7	4	3	12	7	11	22	11	16	93	----	----	----	----	----	----	----	----	----
Kenosha	2	3	17	6	12	18	16	9	6	89	----	----	----	----	----	----	----	----	----
Lind	5	8	8	9	17	4	19	9	1	80	0	2	2	0	8	2	13	3	30
Madison	0	2	4	17	15	17	13	22	1	91	0	0	0	0	0	7	11	3	21
Manitowoc	13	6	9	8	18	3	11	25	0	93	2	1	0	0	2	1	12	3	21
Menasha	4	1	16	5	1	14	18	11	23	93	3	0	5	6	1	9	9	4	37
Milwaukee, [Someroy]	11	19	2	19	5	5	8	24	0	93	0	0	0	0	0	0	0	1	1
Milwaukee, [Winkler]	8	8	15	9	1	12	18	22	0	93	----	----	----	----	----	----	----	--	----
Mount Morris	2	10	9	10	12	3	10	33	4	93	0	0	2	1	0	4	8	4	19
New London	7	1	7	0	9	27	28	14	0	93	10	0	0	0	3	24	21	13	71
Platteville	0	1	16	18	10	8	7	33	0	93	0	1	2	2	1	30	11	13	60
Racine	10	19	3	9	20	3	26	0	0	90	4	0	0	0	2	1	8	1	16
St. Croix	6	0	0	1	22	4	7	5	18	63	----	----	----	----	----	----	----	----	----
Waukesha	16	2	5	1	6	5	9	6	43	93	0	0	0	0	0	1	1	0	2
IOWA—																			
Bellevue	2	5	0	28	8	12	12	26	0	93	0	1	0	1	6	5	6	3	22
Border Plains	6	2	5	24	17	4	4	23	0	85	0	0	0	0	2	6	5	6	19
Camanche	0	1	2	6	12	7	7	0	10	45	3	8	7	1	0	2	0	0	21
Dubuque	17	2	1	9	16	16	4	11	17	93	2	2	1	2	1	12	4	12	36
Fairfield	2	3	1	19	4	24	4	12	24	93	2	4	3	3	0	0	0	1	13
Fort Madison	0	9	1	23	3	26	4	26	1	93	3	3	0	3	1	22	17	14	63
Franklin	2	4	8	19	7	9	17	21	6	93	----	----	----	----	----	----	----	----	----
Iowa City	4	6	6	27	3	20	8	14	5	93	----	----	----	----	----	----	----	----	----
Muscatine	0	5	18	12	13	9	19	17	0	93	0	0	0	0	0	3	0	5	8
Pleasant Plain	1	5	8	19	15	15	16	13	0	92	2	1	0	0	0	8	5	4	20
Poultney	1	1	8	17	10	6	19	8	12	82	0	0	0	0	2	4	5	2	13
Rossville	5	3	8	15	11	5	13	14	8	82	----	----	----	----	----	----	----	----	----
Sioux City	15	4	1	16	19	4	12	17	0	88	4	1	0	5	5	4	7	7	33
MINNESOTA—																			
Burlington	5	0	2	0	12	3	9	0	0	31	----	----	----	----	----	----	----	----	----
Hazlewood	4	2	1	26	18	8	9	25	0	93	1	0	9	10	8	0	3	3	34
Princeton	1	3	9	8	3	7	22	17	23	93	1	1	7	3	2	0	20	2	36
Wabashaw	3	4	4	11	18	15	25	7	6	93	4	11	7	6	0	1	0	2	31
NEBRASKA—																			
Bellevue	25	4	4	5	37	9	2	5	1	92	7	4	1	5	11	4	4	5	41
Omaha	3	4	1	15	18	11	5	22	14	93	2	2	4	2	15	17	3	12	57
KANSAS—																			
Burlingame	8	6	3	16	22	2	8	10	18	93	----	----	----	----	----	----	----	----	----
Lawrence	3	11	15	21	6	13	7	17	0	93	0	0	0	0	2	0	0	0	2
Leavenw'h C'y, [McCarty]	5	14	9	13	39	6	0	7	0	93	3	2	2	2	2	16	8	5	40
Manhattan	12	11	10	4	8	22	0	0	26	93	12	12	1	1	1	7	4	2	40
Moneka	0	0	0	0	0	18	2	24	3	47	2	0	1	0	0	0	0	0	3
Topeka	7	7	0	6	33	6	5	8	20	92	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	19	0	0	0	0	56	0	18	0	93	----	----	----	----	----	----	----	----	----
Sacramento	16	4	4	21	13	14	2	19	0	93	0	0	0	11	3	12	17	5	48
San Francisco	14	3	0	0	13	10	19	3	31	93	11	0	0	2	6	18	19	3	59
Union Ranche	0	1	0	2	27	23	13	21	3	90	----	----	----	----	----	----	----	----	----
MEXICO—																			
Cordova	17	10	7	1	3	6	9	9	0	62	----	----	----	----	----	----	----	----	----
Mirador	0	39	27	81	15	6	0	6	0	174	----	----	----	----	----	----	----	----	----
WEST INDIES—																			
Centre Sig. Station, Ber.	7	1	0	1	4	4	3	4	0	24	----	----	----	----	----	----	----	----	----
Nassau, Bahamas	2	24	10	2	0	6	0	8	0	52	----	----	----	----	----	----	----	----	----
St. George's, Bermuda	1	5	0	0	0	14	1	10	0	31	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	6	52	19	14	1	1	0	0	0	93	0	28	31	15	1	0	0	0	75

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	7	19	3	7	5	6	12	28	3	90	5	13	3	6	5	6	9	17	64
Red River Settlement	24	7	5	3	21	1	0	12	17	90	6	3	2	15	3	5	1	2	37
Rigolet	7	18	8	0	1	3	6	7	10	60									
St. John's	6	15	3	6	6	12	17	25	0	90									
St. Martin	1	28	1	15	0	22	7	16	0	90									
Stanbridge	12	6	4	31	8	3	16	7	3	90									
Toronto	2	25	2	10	4	8	3	31	5	90									
Windsor	13	5	4	4	12	16	8	13	13	88									
Wolfville	1	12	5	9	4	10	6	35	8	90	4	2	0	4	3	8	6	17	44
MAINE—																			
Cornish, [Guptill]	10	11	0	7	11	6	2	43	0	90									
Cornish, [West]	10	19	5	4	6	12	22	12	0	90	0	0	0	0	0	1	1	3	5
Gardiner	1	23	2	9	3	10	1	23	14	86	0	5	1	0	2	7	4	11	30
Monson	2	22	1	7	9	10	9	26	4	90									
Perry	7	11	6	9	8	13	4	32	0	90	7	4	0	1	5	6	5	14	42
Portland	14	9	9	12	10	3	23	10	0	90	1	0	0	0	4	2	15	5	27
Steuben	0	29	2	8	0	23	4	22	2	90	3	2	0	1	0	8	16	8	38
NEW HAMPSHIRE—																			
Concord	0	14	0	16	0	4	2	51	2	89	0	0	1	0	0	0	0	8	9
Francestown, [Bixby]	5	6	4	12	5	6	12	22	1	83	1	2	7	7	1	6	25	15	64
Shelburne	0	0	26	0	0	0	55	0	9	90	0	0	2	4	0	6	12	28	52
Stratford	4	8	10	7	11	12	20	14	0	86	2	1	4	5	8	5	19	13	57
West Enfield	0	0	0	6	24	11	4	44	1	90	2	0	0	5	15	12	4	28	66
VERMONT—																			
Brandon	14	1	1	4	27	2	7	26	8	90	0	0	0	0	0	10	7	27	44
Burlington	3	6	0	3	8	21	6	43	0	90									
Craftsbury	1	10	3	3	27	11	8	24	3	90	3	1	1	1	4	10	16	20	56
Rupert											4	0	0	7	11	29	2	13	66
St. Johnsbury	12	2	6	6	16	1	19	26	1	89	1	1	0	0	7	4	14	5	32
MASSACHUSETTS—																			
Amherst	4	10	3	19	2	11	7	31	0	87	0	0	0	1	1	3	3	16	24
Bridgewater	13	12	12	3	6	9	26	9	0	90	2	0	1	1	7	12	9	5	37
Cambridge	6	10	9	4	3	23	10	12	12	89									
Florida	3	8	0	6	1	17	2	53	0	90	2	8	0	5	1	18	3	38	75
Lawrence	0	18	4	11	0	9	0	48	0	90									
Mendon	0	25	1	1	4	33	3	23	0	90	0	23	2	1	2	26	3	13	70
Nantucket	3	15	4	10	5	21	9	20	3	90									
New Bedford	5	14	1	11	6	21	6	26	0	90	0	1	0	0	0	0	4	7	12
Newburyport	9	8	4	4	12	1	10	17	0	65									
Richmond	0	12	0	10	0	18	0	50	0	90	0	10	0	10	2	14	5	28	69
Westfield	1	9	1	10	3	13	20	31	0	88									
Williamstown	4	2	3	14	3	8	12	28	6	80	0	2	4	0	0	3	4	4	17
Worcester	3	8	10	4	5	19	30	5	0	84									
RHODE ISLAND—																			
Providence	2	19	1	1	12	17	7	31	0	90									
CONNECTICUT—																			
Columbia	5	6	4	0	6	5	6	34	24	90	2	4	1	0	4	7	5	21	44
New London	8	10	1	13	5	21	0	31	0	89									
Pomfret	3	14	2	4	6	12	2	46	0	89	1	7	0	1	3	4	4	31	51
Saybrook	3	12	3	5	3	11	3	11	7	58	0	0	0	0	2	4	6	5	17
Wallingford	16	6	4	8	14	7	11	24	0	90	0	2	0	0	0	11	17	6	36
NEW YORK—																			
Angelica	0	0	1	18	4	32	17	18	0	90	0	1	1	3	0	24	7	3	39
Baldwinsville	6	1	5	9	10	9	19	30	0	89	1	0	2	1	1	4	37	12	58
Beverly	4	13	0	8	3	37	1	18	1	85	0	5	1	7	6	13	30	6	68
Buffalo	3	8	6	4	15	32	16	5	0	89	0	0	0	0	0	4	4	0	8
Canton	0	22	0	3	1	42	3	17	2	90	0	13	0	3	1	32	1	8	58
Cazenovia	0	1	4	11	14	9	10	40	1	90	0	1	1	8	5	7	20	25	67
Clinton	4	1	6	7	6	18	12	36	0	90	0	0	0	5	1	13	5	26	50
Covert	4	0	0	28	0	3	23	20	12	90	0	0	0	3	4	3	22	8	40
Eden	1	6	12	18	24	15	5	1	0	85	0	1	1	2	0	6	26	4	40
Fishkill	2	19	2	15	8	14	10	20	0	90	0	0	0	0	0	1	3	0	4
Flatbush	6	18	9	5	11	5	14	22	0	90	2	3	1	5	0	8	10	15	44

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Fort Edward	3	14	0	0	2	26	17	28	0	90	1	0	1	0	0	4	10	9	25
Houseville	9	3	4	23	6	2	16	25	2	90	1	0	0	0	0	10	17	10	38
Morrisania	9	20	5	12	6	9	21	8	0	90	----	----	----	----	----	----	----	----	----
New York city	3	27	4	9	1	11	22	13	0	90	3	0	3	7	0	19	36	2	70
Nichols	0	0	4	36	3	1	6	40	0	90	0	0	0	14	4	1	8	27	54
Ogdensburg	11	1	2	0	1	8	4	3	0	30	----	----	----	----	----	----	----	----	----
Oswego	6	7	9	16	7	6	33	3	3	90	----	----	----	----	----	----	----	----	----
Ovid	10	1	5	7	14	12	22	19	0	90	1	0	0	1	8	8	27	12	57
Rochester	13	4	7	8	12	9	27	10	0	90	5	2	4	3	7	9	21	9	60
Sag Harbor	3	12	5	4	6	7	8	12	0	57	0	0	0	1	1	4	11	1	18
Saratoga	0	10	0	4	0	41	2	33	0	90	0	12	0	4	0	42	2	30	90
Wampsville	0	1	12	3	13	2	50	9	0	90	1	0	12	3	13	2	34	6	71
Waterford	13	5	1	3	25	13	18	8	3	89	0	0	0	0	0	2	8	1	11
Wellsville	0	0	52	0	0	1	30	1	3	87	0	0	0	0	1	0	1	0	2
NEW JERSEY—																			
Bloomfield	0	34	0	4	0	21	2	21	0	82	----	----	----	----	----	----	----	----	----
Lambertville	3	20	1	6	8	10	3	25	0	76	----	----	----	----	----	----	----	----	----
Newark	5	16	3	9	2	9	6	10	0	60	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	1	20	0	20	2	35	0	78	0	18	2	24	0	0	1	15	60
Berwick	0	2	28	7	5	4	29	4	0	79	----	----	----	----	----	----	----	----	----
Byberry	3	26	5	8	6	11	12	19	0	90	0	12	2	2	1	14	34	25	90
Cannonsburg	0	5	22	5	0	9	44	5	0	90	0	0	0	0	0	0	1	0	1
Easton	8	6	10	9	8	0	25	13	10	89	0	0	1	3	1	7	14	8	34
Fleming	3	1	7	17	1	18	17	26	0	90	0	0	1	6	2	8	20	26	63
Gettysburg	4	22	3	0	7	20	9	21	4	90	0	4	4	2	7	17	14	19	67
Harrisburg, [Heisely]	4	4	18	9	2	5	24	21	0	90	2	4	1	2	1	3	10	14	37
Harrisburg, [Hickok]	10	12	15	3	12	7	18	13	0	90	0	0	5	0	2	2	6	4	19
Indiana	6	7	20	14	10	9	14	10	0	90	1	0	0	2	1	1	4	3	12
Lewisburg	9	8	2	13	8	3	13	16	18	90	0	0	1	3	1	6	9	17	37
Meadville	1	0	1	11	20	6	13	13	25	90	0	0	0	11	5	12	12	11	51
Morrisville	1	17	6	11	6	28	10	11	0	90	0	17	2	4	2	10	24	16	75
Mount Joy	1	1	0	24	1	0	1	12	50	90	0	0	0	1	0	1	0	0	2
Murrysville	0	7	10	18	3	24	10	6	10	88	0	0	0	0	2	17	11	14	44
Norristown	0	10	19	6	0	6	28	9	0	78	0	11	16	4	0	7	19	4	61
North Whitehall	1	3	10	0	3	4	18	15	36	90	0	0	2	0	0	3	16	4	25
Philadelphia	0	29	4	12	1	13	11	20	0	90	0	2	1	0	2	1	9	3	18
Pittsburg, [Martin]	2	0	18	7	6	8	18	7	24	90	0	0	1	2	1	9	17	5	35
Pocopson	8	13	15	4	9	10	16	9	0	84	1	0	0	0	1	5	12	6	25
Reading	3	2	10	4	1	6	16	7	11	60	3	0	8	1	2	5	14	7	40
Shamokin	0	1	6	7	15	12	49	0	0	90	0	0	0	0	0	3	55	7	65
Somerset	2	1	1	9	15	7	20	8	27	90	0	0	1	7	7	11	34	9	69
Tarentum	1	10	2	4	3	15	11	14	30	90	0	0	0	3	0	18	36	6	63
West Haverford	2	11	7	3	4	7	9	14	3	60	2	2	2	1	0	3	17	16	43
Westtown	7	8	11	13	4	8	6	27	0	84	0	1	0	3	0	2	3	23	32
DELAWARE—																			
Milford	0	7	10	3	1	21	7	2	0	51	10	1	7	0	5	4	19	1	47
MARYLAND—																			
Annapolis	7	21	4	8	14	10	7	11	8	90	3	1	0	0	0	24	2	3	33
Baltimore	9	11	7	6	8	6	13	11	0	71	----	----	----	----	----	----	----	----	----
Hadensburg	2	16	4	6	1	10	5	16	0	60	----	----	----	----	----	----	----	----	----
Chestertown	8	9	23	4	5	8	16	5	0	78	----	----	----	----	----	----	----	----	----
Frederick	4	19	0	5	3	14	10	16	18	89	1	1	0	0	5	2	28	5	42
Sykesville	10	15	8	16	22	5	10	4	0	90	3	5	10	8	1	9	44	1	81
DISTRICT OF COLUMBIA—																			
Washington	6	12	12	8	14	7	6	12	13	90	0	0	0	0	0	2	7	0	9
VIRGINIA—																			
Alexandria	9	17	8	13	13	8	4	18	0	90	----	----	----	----	----	----	----	----	----
Crichton's Store	18	11	8	2	15	21	8	3	1	90	0	0	0	0	0	3	7	0	10
Kanawha	22	0	1	1	39	2	1	3	10	79	0	0	0	0	4	8	16	8	36
Montross	1	4	11	4	2	12	15	6	32	90	2	1	0	3	3	6	13	2	30
Mossy Creek	3	21	0	11	8	24	0	20	3	90	3	14	0	5	0	20	0	12	54
Poplar Grove	0	0	8	0	0	10	17	25	30	90	2	1	0	1	2	26	13	17	62

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued																			
Portsmouth	6	28	9	2	2	21	14	8	0	90									
Rose Hill	3	15	8	5	4	10	7	5	5	62	0	0	0	0	0	0	2	0	2
Rougemont	12	9	16	1	17	2	24	3	5	89	5	3	3	1	8	0	21	3	44
Smithfield	10	25	4	6	9	8	5	8	0	75	2	6	1	0	3	4	15	13	44
Winchester	1	0	1	2	6	3	7	9	61	90	0	0	1	0	0	0	1	0	2
Wirt Court-House	0	5	0	1	0	26	1	32	21	86	0	2	0	0	0	39	5	26	72
NORTH CAROLINA—																			
Chapel Hill	12	24	4	5	4	16	21	4	0	90	3	10	2	1	3	22	15	1	57
Davidson College	0	23	0	2	1	47	5	3	6	87	0	12	0	1	0	36	2	0	51
Marlborough	6	3	2	3	33	15	6	6	16	90	7	1	3	3	4	12	19	4	53
Murfreesborough	1	18	9	10	1	24	7	6	11	87	0	12	1	2	0	11	31	4	61
SOUTH CAROLINA—																			
All Saints	6	6	3	7	13	48	1	6	0	90	5	4	1	1	3	39	9	4	66
Charleston, [Dawson]	1	10	1	5	2	30	3	8	0	60									
Charleston, [Johnson]	4	1	0	1	3	14	2	3	0	28									
Columbia	4	6	1	0	11	7	15	15	0	59	4	5	1	1	10	5	8	8	42
St. John's	0	15	0	12	3	23	0	18	0	71	2	5	0	2	0	5	10	9	33
GEORGIA—																			
Athens	7	6	9	8	12	6	4	17	18	87	0	0	1	0	0	0	0	0	1
Hillsborough	7	4	4	5	9	22	23	13	3	90	0	0	2	0	0	0	0	0	2
Savannah	4	4	1	15	13	33	3	16	0	89	0	0	0	0	0	2	4	1	7
Sparta	6	6	6	7	7	36	12	8	0	88	4	6	1	0	2	15	19	5	52
Whitemarsh Island	7	5	0	4	23	20	8	14	9	90	4	4	0	0	2	9	10	8	37
Zebulon	1	1	7	7	4	12	27	15	0	74	8	1	0	0	7	6	11	4	37
FLORIDA—																			
Alachua county	3	4	1	14	3	39	2	21	0	87									
Alligator	5	7	9	0	12	25	5	1	26	90	5	3	2	0	7	13	3	1	34
Atsena	4	6	7	14	1	19	24	10	5	90	3	0	0	10	1	20	5	6	45
Belair	10	4	8	26	9	2	7	7	16	89	2	6	0	0	2	14	18	3	45
Jacksonville	0	10	0	13	6	44	1	13	3	90	1	1	1	2	1	30	0	6	42
St. Augustine	1	24	10	23	0	11	0	21	0	90	1	7	6	13	0	8	1	16	52
Salt Ponds	5	7	10	17	4	2	6	9	0	60									
ALABAMA—																			
Greene Springs	3	3	21	15	0	12	15	2	13	84	4	3	0	1	3	8	15	9	43
Greensborough	10	2	0	22	15	19	3	19	0	90	2	0	0	6	10	10	4	2	34
Selma	24	2	0	4	26	3	15	16	0	90	8	4	2	4	17	11	5	17	68
MISSISSIPPI—																			
Columbus	14	2	4	4	36	4	16	10	0	90	4	0	0	0	6	7	31	1	49
Paulding	2	2	2	10	3	43	9	19	0	90	4	2	0	1	3	36	10	16	72
LOUISIANA—																			
Black River	14	1	1	8	46	9	10	0	1	90	1	1	0	0	18	10	7	10	47
New Orleans	0	29	0	12	0	26	0	23	0	90									
TEXAS—																			
Austin, [Palm]	10	4	2	6	25	28	12	3	0	90	1	0	1	7	7	3	3	1	23
Austin, [Van Nostrand]	14	1	2	4	44	0	9	15	1	90	7	1	1	3	26	1	3	4	46
Goliad	12	6	4	51	3	0	2	11	1	90	2	1	3	14	19	8	16	0	63
Larissa	4	9	8	19	27	8	7	5	3	90	0	1	0	0	22	4	4	3	34
Union Hill	15	0	0	8	44	4	3	2	14	90	8	0	0	0	32	3	9	3	55
Washington	47	0	0	2	23	0	0	1	10	83	10	6	1	2	1	0	1	0	21
TENNESSEE—																			
Glenwood	7	13	4	19	24	9	1	9	4	90	2	4	2	1	5	30	19	7	70
Memphis	4	5	10	14	21	12	8	10	3	90									
KENTUCKY—																			
Bardstown	9	15	2	8	15	28	7	5	0	89	4	6	0	0	8	21	11	13	63
Danville	10	8	7	0	11	26	19	9	0	90	0	0	0	0	0	26	27	18	71
Louisville	5	12	3	3	6	29	9	6	17	90	2	2	0	0	4	23	7	8	46
Millersburg	3	7	12	9	1	3	20	10	25	90	6	4	1	0	0	8	30	8	51
Nolin	10	4	2	8	17	20	13	9	0	83	2	20	12	9	1	0	0	0	44
Paris	8	11	4	5	11	29	14	8	0	90	1	0	2	0	8	3	39	0	53
Springdale	3	16	1	14	13	25	6	10	2	90									
OHIO—																			
Bellefontaine	4	15	2	4	4	21	14	19	0	86	1	9	2	2	1	50	10	8	83

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Bowling Green	1	14	0	4	2	21	18	4	26	90	0	9	0	4	0	19	18	13	63
Cincinnati, [Harper]	12	1	15	0	2	19	32	8	0	89									
Cincinnati, [Hurtt]	2	4	0	3	2	33	31	8	7	90	2	1	0	4	1	29	16	6	59
Cleveland	3	11	2	17	10	4	11	8	1	67	0	1	0	2	1	5	11	3	23
Edinburg	1	17	5	36	0	23	0	3	5	90	0	6	0	3	0	12	38	18	77
Hillsborough	1	15	0	16	2	40	0	16	0	90	0	1	0	1	0	9	3	7	21
Hiram	4	7	9	7	6	24	9	15	3	84	1	0	3	0	2	6	8	5	25
Jackson, (Jackson county)	6	0	9	0	15	0	50	0	10	90	2	0	3	0	7	1	51	0	64
Jackson, (Monroe county)	18	7	8	1	22	1	0	0	26	83	0	0	0	0	1	9	8	1	19
Jefferson	0	6	0	18	1	37	0	28	0	90	0	5	0	17	1	33	0	28	84
Lancaster	7	11	10	6	14	21	16	4	1	90	1	0	0	1	4	18	35	5	64
Madison, [Atkins]	6	9	1	4	16	2	16	4	20	78	0	0	0	1	0	0	7	2	10
Madison, [King]	4	15	5	9	8	14	10	17	8	90	0	2	2	7	4	25	15	14	69
Medina	12	9	10	5	7	20	13	14	0	90	6	19	25	13	8	8	6	5	90
Mount Union	2	9	3	6	0	28	5	13	14	80	0	18	13	8	0	0	1	2	42
New Lisbon	7	3	9	16	9	13	11	21	1	90	2	2	7	11	6	12	14	16	70
Northwood	2	7	8	8	1	23	18	18	5	90	3	6	4	4	3	16	24	21	81
Ripley	1	0	1	13	3	5	2	10	17	52	0	0	0	0	1	2	1	7	11
Savannah	3	0	0	32	0	18	18	19	0	90	0	0	0	19	0	22	14	26	81
Urbana	1	6	8	20	3	11	11	10	20	90	1	4	2	3	3	15	26	16	70
Welchfield	8	2	10	23	5	19	14	9	0	90	0	0	0	0	0	2	1	0	3
Westerville	12	2	2	0	13	34	18	9	0	90	2	4	1	0	5	29	25	13	79
MICHIGAN—																			
Battle Creek	6	3	12	7	13	7	22	2	18	90	3	1	5	0	3	11	34	11	68
Cooper	1	0	12	0	0	0	53	1	23	90	1	1	21	7	0	4	5	0	39
Detroit	1	31	7	5	0	35	10	1	0	90	1	22	9	9	3	33	9	3	89
Grand Rapids, [Streng]	13	8	25	1	11	15	9	8	0	90	5	4	9	4	0	12	32	16	82
Marquette	2	16	7	15	4	11	7	28	0	90									
Monroe	10	4	12	18	0	14	1	13	0	72	5	4	7	19	0	13	4	11	63
New Buffalo											0	5	8	7	1	12	29	11	73
Port Huron	17	11	0	10	11	9	12	15	5	90	3	5	0	1	2	11	15	13	59
INDIANA—																			
Cannelton	4	4	8	20	12	13	11	18	0	90	1	0	0	1	10	10	8	12	42
Evansville	6	19	7	10	17	15	3	13	0	90	0	1	0	3	1	39	8	5	57
Logansport	1	1	5	15	6	25	17	20	0	90	0	1	1	8	3	25	29	14	81
Madison	1	3	7	16	9	7	26	21	0	90	1	2	8	14	7	6	12	9	59
Michigan City	13	11	5	17	24	7	3	10	0	90	7	2	2	5	12	6	4	13	51
New Harmony	8	3	3	15	24	11	10	8	0	82									
Richmond, [Austin]	1	10	5	1	7	13	7	4	2	50	0	4	1	0	4	5	11	5	30
Richmond, [Moore]	0	5	13	6	4	23	9	6	23	89									
ILLINOIS—																			
Athens	1	12	2	20	10	22	4	17	0	88	0	0	0	2	0	15	15	27	59
Augusta	2	6	8	10	6	22	9	25	2	90	0	4	3	4	3	7	11	19	51
Aurora	3	15	9	11	9	11	22	10	0	90	1	4	3	4	4	12	31	9	68
Batavia, [Mead]	0	28	2	7	1	32	4	16	0	90	0	17	1	5	0	28	8	24	83
Brighton	0	3	2	13	6	39	7	29	0	90	2	6	1	2	2	29	5	20	67
Edgington	3	30	1	9	12	3	1	31	0	90	4	26	1	6	13	10	2	26	88
Elgin	7	18	10	6	10	9	11	13	6	90	0	0	0	0	0	0	2	1	3
Evanston	5	8	9	8	4	21	0	8	0	63									
Jacksonville	2	1	1	3	3	9	2	9	0	30									
Manchester	6	13	5	4	11	12	22	16	1	90	3	7	2	4	11	15	15	14	71
Marengo	0	14	8	20	8	35	3	1	1	99									
Ottawa	4	12	10	9	8	12	9	18	3	85	2	2	0	1	1	4	8	12	30
Pekin	13	5	7	13	23	4	6	19	0	90	8	1	4	7	8	5	12	20	65
Peoria	12	11	8	1	11	10	30	7	0	90	1	0	0	0	2	2	9	2	16
Riley	4	11	12	2	10	7	17	14	9	86									
South Pass	2	9	5	1	26	13	19	4	19	89	6	1	0	3	5	4	2	5	26
Waynesville	8	1	17	3	15	10	18	9	8	89	3	2	5	1	10	5	21	7	54
West Salem	5	9	7	9	26	6	8	8	12	90	2	0	0	0	4	19	30	12	67
West Urbana	1	22	7	8	18	17	10	7	0	90	0	0	0	1	0	6	2	3	12
Wheaton	4	20	9	8	10	11	16	10	2	90	2	2	0	0	0	7	13	6	30
Winnebago	2	21	8	9	7	17	11	15	0	90	1	0	0	2	1	3	12	22	41

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI—																			
St Louis	9	12	5	19	12	11	18	4	0	90	---	---	---	---	---	---	---	---	---
Springfield	4	5	1	12	13	11	6	5	14	71	2	2	0	0	8	11	14	4	41
WISCONSIN—																			
Appleton	5	34	2	7	1	31	0	10	0	90	4	28	1	8	2	20	0	10	73
Bay City	2	52	0	1	6	13	10	6	0	90	5	8	0	0	0	6	1	8	28
Beloit	3	26	2	7	15	19	7	11	0	90	0	1	0	0	0	1	1	0	3
Green Bay	25	4	11	6	8	8	13	6	9	90	22	3	6	5	5	7	10	7	65
Janesville	1	21	7	10	9	14	14	10	4	90	---	---	---	---	---	---	---	---	---
Kenosha	2	10	22	11	16	8	13	6	2	90	---	---	---	---	---	---	---	---	---
Madison, [Sterling]	0	24	3	7	9	13	14	12	0	82	0	0	0	0	0	3	2	0	5
Manitowoc	16	9	9	7	15	6	7	21	0	90	1	0	0	2	2	0	6	9	20
Milwaukee, [Pomeroy]	2	28	8	15	2	11	1	23	0	90	---	---	---	---	---	---	---	---	---
Milwaukee, [Winkler]	5	24	12	17	0	6	16	10	0	90	---	---	---	---	---	---	---	---	---
Mount Morris	6	16	13	8	6	6	15	19	1	90	0	0	3	1	1	4	18	4	31
New London	23	15	9	3	3	7	24	6	0	90	22	14	0	0	0	11	19	15	81
Platteville	6	11	21	14	3	9	9	17	0	90	5	5	9	3	0	24	16	12	74
Racine	19	7	7	5	25	5	9	10	0	87	4	0	2	0	2	2	3	1	14
Waukesha	10	11	6	1	12	4	14	8	23	89	5	2	4	0	0	5	11	7	34
IOWA—																			
Bellevue	11	9	10	9	4	13	20	14	0	90	2	2	1	3	1	4	7	9	29
Border Plains	18	7	9	17	6	1	2	26	3	89	0	0	0	0	0	1	2	6	9
Camanche	0	10	19	8	10	9	14	3	15	88	5	9	9	6	0	3	5	1	38
Dubuque	10	11	7	17	8	11	2	14	9	89	6	3	4	4	1	3	3	30	54
Fairfield	3	7	3	16	1	15	4	20	21	90	1	6	4	3	0	0	0	0	14
Fort Madison	4	11	1	17	3	23	1	30	0	90	6	4	4	6	4	28	9	15	76
Franklin	12	17	5	6	7	8	9	20	6	90	---	---	---	---	---	---	---	---	---
Iowa City	7	2	4	29	2	9	11	20	6	90	1	7	5	10	2	1	5	5	36
Muscatine	10	7	16	9	2	12	23	11	0	90	0	4	0	3	0	8	1	8	24
Pleasant Plain	3	7	10	20	1	15	13	19	1	89	0	0	0	2	3	8	11	14	38
Poultney	3	14	16	5	4	6	17	10	10	85	1	4	2	0	0	2	9	7	25
Rossville	9	5	16	8	9	6	12	16	9	90	---	---	---	---	---	---	---	---	---
Sioux City	8	3	4	19	9	1	8	25	0	77	6	2	2	2	1	1	7	8	29
MINNESOTA—																			
Burlington	1	2	11	2	7	2	1	3	0	29	---	---	---	---	---	---	---	---	---
Hazlewood	7	11	4	6	19	5	2	36	0	90	3	7	10	1	8	0	3	9	41
Princeton	---	---	---	---	---	---	---	---	---	---	13	3	2	0	2	0	39	1	60
NEBRASKA—																			
Bellevue	40	8	6	8	18	1	5	0	3	89	17	9	0	3	11	0	5	5	50
Elkham	18	9	15	16	6	4	5	17	0	90	1	0	0	0	0	0	0	0	1
Omaha	12	8	3	14	8	5	2	23	15	90	13	6	2	7	5	9	10	17	69
KANSAS—																			
Burlingame	8	10	3	13	18	9	2	16	11	90	---	---	---	---	---	---	---	---	---
Cayuga	14	9	8	4	11	11	10	11	5	83	---	---	---	---	---	---	---	---	---
Lawrence	10	17	9	9	22	9	6	8	0	90	---	---	---	---	---	---	---	---	---
Leaven'th City, [Berthoud]	0	18	10	12	0	29	1	17	3	90	0	20	5	18	0	27	0	11	81
Leaven'th City, [McCarty]	11	13	8	6	16	16	2	12	1	85	8	4	0	1	2	11	9	10	45
Manhattan	5	14	11	8	4	17	3	17	11	90	5	5	5	4	5	14	5	13	56
Moneka	0	0	0	0	0	3	7	16	0	26	1	0	6	0	0	0	0	0	7
Topeka	5	12	5	10	19	8	4	17	10	90	---	---	---	---	---	---	---	---	---
MEXICO—																			
Cordova	10	8	4	3	7	12	10	2	4	60	---	---	---	---	---	---	---	---	---
Minatitlan	5	7	0	0	2	5	0	0	7	26	---	---	---	---	---	---	---	---	---
CALIFORNIA—																			
Marysville	3	0	0	13	11	39	0	24	0	90	---	---	---	---	---	---	---	---	---
Sacramento	13	7	4	12	9	16	7	22	0	90	0	1	0	5	2	5	9	7	29
San Francisco	4	2	0	1	2	6	36	12	27	90	2	1	0	0	1	8	16	8	36
WEST INDIES—																			
Centre Signal Station, Ber.	1	1	0	0	5	4	0	0	0	11	---	---	---	---	---	---	---	---	---
Nassau, Bahamas	2	8	8	18	0	8	8	0	0	52	---	---	---	---	---	---	---	---	---
St. George's, Bermuda	1	2	0	5	2	12	2	6	0	30	---	---	---	---	---	---	---	---	---
SOUTH AMERICA—																			
Catharina Sophia, Surinam	2	52	20	12	2	2	0	0	0	90	0	35	37	13	0	0	0	0	85

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North	Between north and east.	East.	Between south and east	South.	Between south and west	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	16	3	7	13	7	9	12	18	93	4	13	2	7	12	8	7	11	64
Red River Settlement	21	2	3	0	27	4	3	7	18	85	3	9	0	8	13	5	1	1	40
Rigolet	8	21	16	0	0	1	1	5	10	62	----	----	----	---	----	----	----	----	----
St. John's	0	64	0	10	0	9	5	5	0	93	----	----	----	---	----	----	----	----	----
St. Martin	0	22	5	27	4	9	6	20	0	93	----	----	----	---	----	----	----	----	----
Stanbridge	10	11	8	33	9	2	9	5	6	93	----	----	----	---	----	----	----	----	----
Toronto	2	36	5	6	5	9	2	21	7	93	----	----	----	---	----	----	----	----	----
Windsor	8	12	3	5	4	3	6	12	23	76	----	----	----	---	----	----	----	----	----
Wolfville	4	20	1	12	2	2	1	25	26	93	6	5	0	5	5	6	1	20	48
MAINE—																			
Cornish, [Guptill]	12	5	3	18	13	7	7	28	0	93	----	----	----	---	----	----	----	----	----
Cornish, [West]	10	15	10	11	13	11	7	16	0	93	2	0	0	0	0	0	4	2	8
Dexter	1	6	5	12	9	8	11	38	3	93	----	----	----	---	----	----	----	----	----
Gardiner	12	10	0	21	8	12	2	13	11	89	5	7	0	2	4	4	3	9	34
Perry	5	13	1	17	11	19	0	25	0	91	3	8	1	8	4	4	9	14	51
Portland	9	13	18	7	17	11	8	8	0	91	7	1	1	1	1	4	11	4	30
Steuben	2	18	0	10	0	35	2	21	5	93	4	9	0	0	0	11	9	5	38
NEW HAMPSHIRE—																			
Concord	0	25	0	18	0	6	0	23	9	81	0	0	0	0	0	0	0	1	1
Francestown, [Bixby]	7	7	14	16	9	5	15	20	0	93	4	3	18	12	1	4	19	9	70
Shelburne	0	0	27	0	0	0	56	0	10	93	1	1	4	11	0	5	14	19	55
Stratford	3	18	13	7	11	10	13	18	0	93	8	1	2	3	16	10	17	8	65
West Enfield	0	6	0	8	37	5	2	35	0	93	1	6	0	6	22	8	2	20	65
VERMONT—																			
Brandon	17	0	3	8	32	4	3	20	6	93	10	0	1	2	0	12	4	14	43
Burlington	8	12	1	12	16	29	1	14	0	93	----	----	----	- -	----	---	----	----	----
Craftsbury	1	21	1	8	32	5	9	13	3	93	5	5	2	0	8	7	14	18	59
Rupert	---	----	----	---	---	---	----	----	---	----	2	1	0	5	6	54	2	11	81
St. Johnsbury	11	4	1	6	37	1	10	22	1	93	4	1	0	1	8	0	11	5	30
MASSACHUSETTS—																			
Amherst	7	14	6	23	6	5	4	27	0	92	0	10	1	6	1	2	12	14	46
Bridgewater	8	12	29	8	7	8	17	4	0	93	5	2	3	5	5	3	12	1	36
Cambridge	6	21	21	6	5	13	1	11	9	93	---	---	----	---	----	----	--	--	----
Florida	0	11	3	31	3	4	28	13	0	93	0	15	3	22	3	6	25	3	77
Lawrence	4	25	6	20	1	6	1	30	0	93	----	----	----	---	----	----	----	----	---
Mendon	0	60	1	0	4	16	4	8	0	93	2	12	1	1	4	19	3	7	79
Nantucket	4	34	8	10	6	16	3	8	4	93	---	---	----	----	----	--	---	----	----
New Bedford	3	31	4	13	8	19	3	12	0	93	1	4	0	0	0	2	4	13	24
Newburyport	5	6	10	10	4	1	4	11	0	51	----	----	----	---	----	----	----	----	---
Richmond	0	11	0	16	0	31	1	34	0	93	0	11	0	16	0	27	4	24	82
Westfield	10	22	7	13	8	5	12	16	0	93	----	---	--	--	---	--	---	----	----
Williamstown	5	2	3	31	6	4	6	14	5	76	0	0	0	1	1	0	0	0	2
Worcester	11	7	14	12	3	14	16	6	0	83	----	----	--	---	--	---	----	----	----
RHODE ISLAND—																			
Providence	4	34	3	5	12	11	2	22	0	93	----	---	----	--	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	34	0	2	0	14	2	17	21	93	1	25	0	0	0	15	1	16	58
New London	4	19	20	12	3	21	6	5	0	93	----	---	----	---	----	----	----	--	----
Pomfret	4	31	3	6	10	13	0	25	0	92	1	18	1	4	6	9	1	13	53
Saybrook	3	15	18	14	7	13	4	9	9	92	4	5	7	4	3	5	9	5	42
Wallingford	13	18	1	15	7	15	6	18	0	93	2	8	2	3	1	3	18	7	44
NEW YORK—																			
Baldwinsville	5	1	14	19	8	9	11	25	0	92	3	1	2	6	3	16	22	15	68
Bellport	5	11	14	24	7	10	13	9	0	93	----	----	----	--	---	----	----	----	----
Beverly	9	13	0	10	3	32	0	20	0	87	3	8	3	11	3	18	14	15	75
Buffalo	12	13	5	12	10	28	9	3	0	92	0	0	0	2	0	3	2	0	7
Canton	8	24	1	5	2	32	2	17	1	92	1	17	1	2	0	27	1	14	63
Cazenovia	5	0	6	11	20	5	5	38	0	93	6	0	2	12	10	8	16	23	77
Clinton	12	2	10	15	10	13	7	24	0	93	9	1	3	9	8	8	10	22	69
Covert	13	3	4	35	2	1	5	18	12	93	6	0	0	13	8	2	12	15	56
Eden	3	6	30	18	17	4	5	0	0	81	0	5	8	0	1	1	12	0	27
Fishkill Landing	2	36	1	26	8	8	2	10	0	93	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Flatbush	8	15	13	15	18	9	6	9	0	93	1	8	8	4	0	5	7	17	50
Fort Edward	4	19	1	4	2	35	10	18	0	93	6	6	1	0	2	5	4	5	29
Houseville	8	3	5	20	15	5	8	23	0	87	0	0	0	0	0	13	29	9	51
Morrisania	16	19	11	19	9	5	7	7	0	93	----	----	----	----	----	----	----	----	----
New York city	4	25	3	25	0	13	14	9	0	93	1	11	8	6	0	22	32	2	82
Nichols	2	0	1	41	1	0	1	44	0	93	0	0	1	26	0	0	7	31	65
Ogdensburg	8	2	1	0	4	1	13	2	0	31	----	----	----	----	----	----	----	----	----
Rochester	14	1	16	17	11	3	19	12	0	93	4	1	6	10	5	7	23	4	60
Sag Harbor	3	9	13	5	10	3	6	8	0	57	1	2	4	1	1	4	13	5	31
Saratoga	0	11	0	29	0	20	0	33	0	93	0	13	0	33	0	19	0	28	93
Spencertown	30	2	4	15	34	2	0	2	0	89	2	0	0	4	5	0	0	1	12
Wampsville	1	0	28	5	11	5	41	2	0	93	2	0	27	5	9	5	32	2	82
Waterford	18	12	2	12	9	16	8	6	6	89	0	0	1	1	0	2	2	4	10
NEW JERSEY—																			
Bloomfield	0	48	3	8	2	21	3	8	0	93	----	----	----	----	----	----	----	----	----
Lambertville	3	27	5	21	8	9	1	13	0	87	----	----	----	----	----	----	----	----	----
Newark	2	18	6	15	3	9	0	9	0	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	1	1	0	20	0	7	5	18	0	52	0	6	4	15	1	0	0	19	45
Berwick	7	3	41	6	3	4	25	3	0	92	----	----	----	----	----	----	----	----	----
Cannonsburg	1	2	29	0	0	15	41	5	0	93	0	0	0	0	0	0	1	0	1
Easton	3	7	1	22	12	2	7	14	11	79	1	3	5	1	1	7	9	4	31
Fleming	1	2	18	20	0	14	4	33	1	93	1	3	6	12	2	10	8	29	71
Gettysburg	2	13	17	7	15	8	14	5	12	93	3	10	18	4	12	10	13	2	72
Harrisburg, [Heisely]	8	2	15	24	7	4	15	16	1	92	2	0	0	7	1	2	12	6	30
Harrisburg, [Hickok]	14	14	20	9	9	6	13	8	0	93	3	7	6	0	1	2	5	3	27
Lewisburg	11	12	6	11	11	13	2	11	16	93	6	1	0	7	5	5	4	11	39
Meadville	8	2	2	18	19	3	7	15	19	93	0	3	0	7	12	12	15	12	61
Morrisville	0	18	11	23	11	17	5	7	1	93	0	16	9	16	2	23	9	7	82
Mount Joy	2	3	0	19	0	4	2	20	43	93	----	----	----	----	----	----	----	----	----
Murrysville	0	13	9	13	3	28	6	11	9	92	2	2	1	5	2	19	13	14	58
Norristown	0	6	22	17	1	6	20	6	0	78	0	3	26	3	1	5	31	1	70
North Whitehall	7	15	16	0	2	2	10	8	33	93	9	9	10	0	1	0	14	7	50
Philadelphia	2	35	10	15	3	15	1	12	0	93	1	9	0	1	0	5	7	2	25
Pittsburg, [Martin]	1	1	22	6	12	13	16	4	18	93	2	0	3	4	3	19	13	2	46
Pocopson	4	20	19	9	16	17	7	1	0	93	2	1	3	1	2	4	8	1	22
Shamokin	0	0	12	6	21	23	30	1	0	93	0	0	0	0	0	6	69	1	76
Somerset	5	0	11	20	6	6	18	11	16	93	4	4	4	10	1	4	45	9	81
Tarentum	4	10	7	4	2	18	6	12	30	93	2	1	1	3	5	18	28	19	77
West Haverford	0	7	20	9	2	5	4	11	4	62	1	3	7	1	2	7	16	6	43
Westtown	12	17	8	16	10	7	3	19	0	92	5	5	3	5	2	1	1	23	45
DELAWARE—																			
Milford	1	17	13	7	5	11	5	4	0	63	8	3	19	2	8	1	15	0	56
MARYLAND—																			
Annapolis	4	31	5	18	12	12	2	7	2	93	4	2	0	0	1	22	2	2	33
Baltimore	14	12	17	11	15	3	11	9	0	92	----	----	----	----	----	----	----	----	----
Bladensburg	3	12	9	5	2	5	2	10	0	48	----	----	----	----	----	----	----	----	----
Chestertown	3	16	38	3	6	5	14	8	0	93	----	----	----	----	----	----	----	----	----
Frederick	5	30	1	6	5	10	19	7	10	93	3	2	1	5	8	2	29	4	54
Sykesville	1	28	13	21	12	7	10	1	0	93	2	20	10	6	4	6	34	0	82
DISTRICT OF COLUMBIA—																			
Washington	6	13	20	8	10	5	7	10	14	93	0	0	0	0	0	0	8	1	9
VIRGINIA—																			
Alexandria	13	19	11	17	12	5	2	14	0	93	----	----	----	----	----	----	----	----	----
Buffalo	1	0	13	0	21	5	53	0	0	93	3	0	3	0	15	1	28	3	53
Crichton's Store	24	13	1	1	19	28	6	0	1	93	0	0	0	0	1	1	20	0	22
Kanawha	18	0	1	2	46	0	6	1	19	93	2	0	0	1	3	8	30	6	50
Montross	3	10	27	4	5	13	7	5	19	93	0	1	1	0	4	6	8	4	24
Mossy Creek	1	18	0	15	11	25	5	18	0	93	1	12	0	5	3	20	7	16	64
Poplar Grove	0	2	11	4	0	3	26	8	21	78	2	0	0	1	3	14	39	9	59
Portsmouth	7	20	10	14	5	18	4	14	1	93	----	----	----	----	----	----	----	----	----
Rose Hill	3	6	9	10	1	2	2	4	3	40	0	0	0	0	0	0	1	0	1

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Rougemont	7	19	8	1	15	8	17	8	7	90	4	6	3	0	8	4	24	2	51
Smithfield	10	24	4	13	16	15	5	6	0	93	7	13	1	2	0	7	17	12	59
Winchester	0	1	1	4	1	3	15	4	64	93	0	0	0	1	0	0	3	1	5
Wirt Court-House	0	3	0	9	1	39	0	32	9	93	0	8	0	2	0	39	3	28	80
NORTH CAROLINA—																			
Chapel Hill	9	24	6	2	13	16	20	3	0	93	3	11	1	0	1	23	9	1	49
Davidson College	0	24	0	1	0	51	5	3	5	89	0	13	0	0	1	40	1	2	57
Marlborough	8	3	2	1	25	9	3	13	14	78	1	4	0	3	1	10	8	9	36
Murfreesborough	3	19	3	14	7	24	9	5	5	89	6	12	4	7	1	2	33	1	66
SOUTH CAROLINA—																			
All Saints	4	9	9	6	23	27	11	4	0	93	0	9	2	2	1	21	31	6	72
Charleston, [Dawson]	0	9	3	14	4	22	4	5	0	61	----	----	----	----	----	----	----	----	----
Charleston, [Johns n]	1	6	1	1	4	11	3	4	0	31	----	----	----	----	----	----	----	----	----
Columbia	3	5	5	1	11	17	15	5	0	62	2	0	3	2	8	7	13	2	37
St. John's	0	8	0	16	1	30	0	20	0	75	5	1	2	0	1	7	8	15	39
GEORGIA—																			
Athens	0	9	3	17	15	7	4	18	6	79	----	----	----	----	----	----	----	----	----
Hillsborough	2	6	1	16	6	20	24	12	0	87	0	1	2	0	0	0	0	0	3
Savannah	2	11	4	16	17	23	6	14	0	93	1	0	0	0	0	1	1	1	4
Sparta	1	9	2	14	10	31	11	15	0	93	0	3	1	4	2	16	13	10	49
Whitemarsh Island	0	13	5	7	29	8	11	13	7	93	1	3	0	2	3	7	11	10	37
Zebulon	0	0	4	12	2	13	37	8	0	76	5	0	2	3	5	4	6	4	29
FLORIDA—																			
Alachua County	1	20	3	26	1	22	2	17	0	92	----	----	----	----	----	----	----	----	----
Alligator	1	2	4	16	4	11	15	4	36	93	1	3	3	5	3	9	11	2	37
Atsena	5	13	8	10	5	9	36	3	4	93	0	10	2	5	5	7	15	3	47
Belair	0	2	2	7	7	1	11	2	24	56	0	0	0	1	5	7	5	2	20
Jacksonville	0	25	0	11	3	38	5	10	1	93	0	4	1	2	0	37	10	5	59
St. Augustine	0	37	4	22	0	3	4	23	0	93	0	22	2	15	0	4	4	17	64
Salt Ponds	5	9	12	15	4	2	3	10	2	62	----	----	----	----	----	----	----	----	----
ALABAMA—																			
Carlowville	2	2	12	9	8	6	37	2	0	78	0	0	0	0	5	1	0	2	8
Greene Springs	3	3	7	40	2	11	12	2	12	92	0	1	2	4	2	19	15	8	51
Greensborough	16	1	2	12	24	13	8	17	0	93	0	0	0	1	9	14	25	8	57
Selma	18	4	0	20	18	15	3	15	0	93	4	7	0	9	4	20	22	18	84
MISSISSIPPI—																			
Columbus	3	4	3	13	29	5	21	14	0	92	0	0	0	0	2	18	27	6	53
Natchez	11	4	2	8	15	40	4	9	0	93	----	----	----	----	----	----	----	----	----
Paulding	3	11	3	16	7	30	7	15	0	92	0	3	0	8	7	33	11	13	75
LOUISIANA—																			
Black River	13	9	4	10	44	7	4	1	1	93	3	0	0	2	19	15	7	10	56
New Orleans	0	5	0	29	0	49	0	10	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm]	8	8	7	12	20	26	11	1	0	93	1	0	0	0	1	1	2	3	8
Austin, [Van Nostrand]	16	0	3	0	67	0	5	2	0	93	5	0	1	0	37	0	2	0	45
Goliad County	10	6	4	68	3	0	0	1	0	92	7	1	4	16	10	6	9	19	72
Larissa	3	9	22	17	22	5	6	3	1	88	0	1	0	1	17	6	7	2	34
New Braunfels	20	1	21	20	17	0	4	4	3	90	1	0	3	0	0	0	1	0	5
Union Hill	15	1	5	7	59	1	0	0	5	93	4	0	6	0	58	0	0	0	68
Washington	62	0	0	3	13	0	3	0	8	89	22	4	0	1	0	0	2	2	31
TENNESSEE—																			
Glenwood	3	12	6	12	22	15	7	7	9	93	1	2	1	2	5	32	39	9	91
Memphis	4	2	7	10	28	17	7	16	2	93	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Bardstown	8	17	6	3	6	39	8	4	0	91	4	8	3	2	6	27	13	12	75
Louisville	6	23	3	14	0	34	9	4	0	93	0	7	0	1	0	29	14	8	59
Millersburg	1	9	8	1	6	5	21	12	30	93	0	2	1	4	2	6	37	4	56
Nolin	13	1	0	6	29	17	23	4	0	93	4	6	22	10	6	1	1	1	51
Paris	2	10	2	11	5	32	11	19	0	92	1	0	4	1	10	4	37	0	57
Springdale	7	9	8	1	9	31	7	2	19	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	3	19	7	7	5	23	12	13	0	89	1	22	2	7	1	34	6	12	85

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total
Ohio—Continued.																			
Bowling Green	2	16	0	11	1	21	9	12	16	88	2	2	0	2	3	34	14	10	67
Cincinnati, [Harper]	12	4	13	1	1	19	33	10	0	93	0	0	0	0	0	0	1	0	1
Cincinnati, [Hurtt]	0	12	8	12	5	25	19	6	6	93	0	6	4	6	1	20	9	6	52
Dayton	2	18	1	11	4	24	3	25	0	88	0	11	1	11	3	29	2	18	75
Edinburg	2	41	0	18	2	20	0	7	2	92	0	6	1	8	0	27	24	17	83
Hillsborough	0	15	0	22	1	28	7	20	0	93	0	0	0	2	1	14	2	9	28
Hiram	8	7	4	16	17	10	10	15	0	87	0	0	0	0	11	3	15	8	37
Jackson, (Jackson county)	6	1	12	0	11	3	50	1	8	92	5	0	4	1	8	4	45	2	69
Jackson, (Monroe county)	11	3	3	11	6	0	0	2	43	79	0	1	0	0	3	0	0	1	5
Jefferson	1	35	0	27	0	2	0	28	0	93	1	37	0	26	0	2	0	27	93
Lancaster	9	14	7	11	14	11	20	7	0	93	3	4	1	0	8	10	32	8	66
Madison, [Atkins]	4	13	0	6	14	6	13	8	19	83	0	1	0	0	2	2	5	0	10
Madison, [King]	3	19	2	14	8	9	9	19	10	93	1	10	0	6	5	30	22	11	85
Medina	8	15	5	13	8	18	7	17	0	91	9	19	11	21	4	14	4	11	93
Mount Union	3	17	2	12	1	22	4	12	16	89	1	13	13	6	3	0	0	10	46
New Lisbon	6	2	3	23	9	19	2	28	0	92	7	1	3	20	6	19	3	24	83
Northwood	2	15	6	7	3	18	19	16	4	90	2	12	0	7	5	25	12	18	81
Ripley	1	0	1	25	5	1	4	13	20	70	0	0	0	0	1	0	3	8	12
Savannah	6	1	1	16	6	30	12	21	0	93	2	1	1	11	4	33	14	21	87
Urbana	0	11	9	22	3	9	17	8	14	93	4	6	4	4	7	16	25	11	77
Welchfield	1	9	4	26	6	19	9	19	0	93	0	0	0	0	0	1	1	2	4
Westerville	17	6	4	6	4	25	22	9	0	93	7	4	3	6	1	30	21	13	85
Michigan—																			
Battle Creek	4	8	17	10	12	10	11	15	6	93	3	3	0	0	3	18	39	13	79
Cooper	0	0	18	0	0	0	56	3	16	93	2	0	25	28	2	9	6	1	73
Detroit	1	11	29	20	5	15	8	4	0	93	2	18	17	26	10	12	4	3	92
Grand Rapids, [Streng]	9	15	21	16	1	10	7	14	0	93	7	2	13	3	3	9	38	11	86
Monroe	3	11	0	11	0	29	0	39	0	93	0	11	0	10	0	28	0	39	88
New Buffalo											2	2	4	3	3	17	33	11	75
Port Huron	17	6	5	9	7	9	7	19	3	82	3	2	3	5	5	7	8	12	45
Marquette	2	13	6	20	1	3	7	49	1	93									
Indiana—																			
Cannelton	4	1	9	18	14	8	9	29	0	92	2	0	0	3	10	12	14	11	52
Evansville	8	8	5	10	28	16	11	7	0	93	3	1	0	2	7	25	22	6	66
Logansport	0	4	7	8	5	24	31	14	0	93	0	2	7	5	1	22	29	20	86
Madison	1	11	7	13	5	24	12	20	0	93	1	8	6	10	5	18	11	8	67
Michigan City	27	9	10	14	20	4	5	2	1	92	11	1	5	6	12	6	4	3	48
New Harmony	9	3	6	12	11	18	16	9	0	84									
Richmond, [Austin]	2	10	1	1	1	11	3	14	4	47	1	5	1	1	2	11	6	8	35
Richmond, [Moore]	2	14	6	5	11	7	18	7	23	93									
Illinois—																			
Athens	1	18	0	35	3	6	2	23	0	88	0	1	0	0	0	8	13	23	45
Augusta	7	11	8	18	6	20	10	7	6	93	6	7	6	7	4	16	15	6	67
Aurora	11	9	5	12	15	15	8	18	0	93	5	3	4	3	0	19	30	9	73
Batavia, [Mead]	1	26	1	10	0	28	3	24	0	93	0	20	0	6	1	30	3	27	87
Brighton	0	16	2	16	2	22	6	29	0	93	0	19	2	9	2	17	2	14	65
Edgington	2	22	0	18	4	10	2	35	0	93	2	23	0	18	4	9	3	32	91
Elgin	12	13	6	15	10	11	7	15	3	92	0	0	0	0	0	1	1	4	6
Jacksonvillle	5	2	3	3	0	5	0	6	0	24									
Manchester	5	11	6	2	13	14	29	13	0	93	3	10	6	2	11	13	22	15	82
Marengo	0	14	11	23	6	32	5	2	0	93									
Ottawa	3	15	5	14	4	17	6	21	1	86	2	1	2	0	2	9	2	10	28
Pekin	11	11	15	5	21	6	3	19	1	92	9	2	8	2	8	13	17	23	82
Peoria	12	12	18	5	19	10	15	2	0	93	0	0	1	0	0	2	6	1	10
Riley	12	18	1	14	7	10	7	12	12	93									
South Pass	11	10	3	1	12	11	5	3	37	93	2	3	0	1	4	1	1	0	12
Warsaw	3	20	2	25	3	15	6	19	0	93	7	2	0	1	0	10	13	12	45
Waynesville	13	3	24	0	11	1	26	1	14	93	7	3	8	0	11	2	29	1	61
West Salem	8	11	6	12	13	11	5	8	19	93	0	0	0	0	4	24	29	6	63
West Urbana	4	24	2	17	5	18	4	16	0	90	1	0	0	0	0	6	5	4	16
Wheaton	11	10	6	11	16	16	7	14	1	92	0	0	0	0	1	2	11	5	19
Winnebago	10	20	3	14	9	16	4	17	0	93	0	2	0	0	0	10	14	12	38

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI—																			
St. Louis	13	9	6	16	13	16	16	4	0	93									
WISCONSIN—																			
Appleton	3	47	4	5	2	23	3	6	0	93	3	38	2	4	2	25	3	9	86
Bay City	0	47	2	3	11	19	4	7	0	93	0	6	0	1	1	14	2	3	27
Beloit	29	13	2	9	12	11	8	8	0	92	1	0	0	0	1	0	2	1	5
Green Bay	28	10	9	1	17	1	2	8	17	93	21	5	5	0	11	0	0	5	47
Janesville	11	17	9	9	14	4	12	13	4	93									
Kenosha	2	18	23	19	28	3	5	2	0	91									
Madison	6	14	8	9	9	3	5	29	1	84	0	0	0	0	0	1	1	1	3
Manitowoc	20	13	4	14	13	9	4	16	0	93	2	3	3	5	3	0	9	2	27
Milwaukee, [Pomeroy]	13	32	3	17	3	6	3	16	0	93									
Milwaukee, [Winkler]	2	39	11	20	0	2	6	13	0	93									
New London	14	6	5	9	4	20	24	11	0	93	15	15	5	0	0	10	12	26	83
Platteville	12	22	6	16	6	3	3	25	0	93	11	19	5	0	4	11	6	31	87
Waukesha	8	23	11	0	9	1	9	7	25	93	5	2	2	0	0	0	1	4	14
IOWA—																			
Bellevue	7	10	4	15	3	11	10	33	0	93	1	1	1	2	1	2	4	12	24
Border Plains	24	5	10	11	7	5	6	20	5	93	0	0	0	0	1	1	2	5	9
Dubuque	7	20	7	12	5	7	0	18	17	93	2	11	7	3	2	11	5	13	54
Fairfield	1	16	0	16	2	5	1	27	25	93	0	4	2	4	0	0	0	0	10
Fort Madison	3	17	2	12	1	27	3	27	1	93	3	5	8	5	4	22	17	18	82
Franklin	16	13	6	7	12	6	4	10	19	93									
Iowa City	2	7	7	17	3	25	9	17	6	93	0	1	3	1	1	3	1	1	11
Muscatine	19	6	14	8	10	10	10	16	0	93	2	0	1	0	0	15	2	7	27
Pleasant Plain	2	17	5	10	12	15	4	24	2	91	0	0	0	0	0	14	8	4	26
Rossville	12	10	17	9	8	8	11	13	5	93									
Sioux City	11	8	15	10	9	2	2	29	0	86	3	2	4	2	6	1	2	11	31
MINNESOTA—																			
Burlington	1	7	11	3	6	1	0	2	0	31									
Hazlewood	12	3	2	17	18	7	0	34	0	93	7	3	9	4	3	1	2	4	33
Lapham	1	2	3	9	10	6	5	6	0	42	0	3	4	4	11	3	7	4	36
Princeton	30	4	27	4	8	0	19	1	0	93	13	1	3	0	3	2	34	4	60
Wabashaw	4	7	17	9	3	0	8	0	21	69	3	6	8	3	2	0	5	0	27
NEBRASKA—																			
Bellevue	39	11	8	4	11	2	9	1	1	86	21	2	4	1	9	1	12	3	53
Brownville	4	11	4	13	12	7	0	30	0	81	3	3	0	6	9	7	5	10	43
Elkham	9	24	6	11	5	8	7	11	1	82									
Omaha	7	11	8	7	6	11	6	10	27	93	11	8	9	5	5	17	10	8	73
KANSAS—																			
Burlingame	11	7	3	15	16	1	10	10	20	93									
Lawrence	19	11	9	8	24	6	7	9	0	93									
Leaven'th C'y, [Berthoud]	0	11	0	18	0	56	2	6	0	93	0	10	0	22	1	33	0	9	75
Leavenw'th C'y, [McCarty]	13	11	2	5	14	6	1	9	6	67	10	3	0	0	4	7	11	9	44
Manhattan	10	9	20	2	7	11	4	9	21	93	12	4	10	0	5	8	10	8	57
Mapleton	3	11	21	4	7	21	15	10	0	92	0	0	1	0	2	1	3	1	8
Topeka	1	15	3	9	16	4	7	8	30	93									
MEXICO—																			
Cordova	9	12	3	1	4	7	16	8	2	62									
Minatitlan	2	20	2	5	4	10	0	1	16	60									
CALIFORNIA—																			
Marysville	3	0	0	0	0	72	10	8	0	93									
Sacramento	8	8	1	15	17	23	4	17	0	93	0	0	0	11	2	13	4	0	30
San Francisco	1	0	0	0	0	7	54	0	31	93	3	0	0	0	1	8	32	1	45
WEST INDIES—																			
Nassau, Bahamas	0	18	12	12	2	4	2	2	0	52									
SOUTH AMERICA—																			
Catharina Sophia, Surinam	0	38	28	23	3	1	0	0	0	93	0	18	36	19	0	1	0	0	74

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	5	9	1	0	3	24	7	7	34	90	1	12	4	1	3	32	7	11	71
Red River Settlement	6	4	6	0	15	3	3	12	37	86	13	8	4	11	2	0	2	2	42
Rigolet	9	6	12	0	2	1	1	16	13	60	----	----	----	----	----	----	----	----	----
St John's	0	23	4	10	0	22	7	24	0	90	----	----	----	----	----	----	----	----	----
St. Martin	2	14	1	31	2	30	1	9	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	3	13	7	22	17	3	6	5	0	76	----	----	----	----	----	----	----	----	----
Toronto	5	12	4	14	4	22	1	19	9	90	----	----	----	----	----	----	----	----	----
Windsor	19	10	0	2	2	13	2	5	30	83	0	0	0	0	0	0	1	0	1
MAINE—																			
Cornish, [Guptill]	7	4	4	3	23	8	24	17	0	90	----	----	----	----	----	----	----	----	----
Cornish, [West]	4	13	12	6	5	21	17	12	0	90	0	0	0	0	0	2	2	7	11
Dexter	1	6	8	11	7	9	19	22	7	90	----	----	----	----	----	----	----	----	----
Gardiner	2	17	7	25	2	10	6	14	4	87	4	8	0	4	0	16	7	17	56
Perry	3	1	11	20	6	23	6	19	1	90	2	0	0	9	1	13	12	18	55
Portland	6	17	19	8	10	15	8	6	0	89	1	0	0	0	0	10	14	11	36
Steuben	5	14	0	14	2	40	2	12	1	90	8	2	1	0	0	20	10	8	49
NEW HAMPSHIRE—																			
Concord	0	25	0	19	1	23	1	8	9	86	0	0	0	0	0	0	1	0	1
Shelburne	0	0	22	0	0	0	48	0	20	90	1	0	3	8	1	8	19	35	75
Stratford	2	16	14	3	14	13	16	10	0	88	3	1	5	3	6	13	27	11	69
West Enfield	7	0	0	7	31	15	2	24	4	90	3	0	0	5	11	21	1	24	65
VERMONT—																			
Brandon	12	0	1	7	35	8	4	19	4	90	1	1	0	1	0	11	7	35	56
Burlington	8	5	1	6	3	40	2	21	0	86	----	----	----	----	----	----	----	----	----
Craftsbury	2	11	4	4	30	15	9	12	3	90	1	0	1	1	4	11	16	31	65
Rupert	----	----	----	----	----	----	----	----	----	----	2	3	0	0	3	67	5	0	80
St. Johnsbury	7	2	3	2	25	2	18	24	7	90	2	0	0	0	3	4	20	2	31
MASSACHUSETTS—																			
Amherst	7	6	4	20	12	9	1	18	0	77	5	3	1	3	9	4	1	9	35
Bridgewater	9	13	18	3	4	30	5	8	0	90	10	2	1	2	4	11	5	4	39
Cambridge	3	12	14	4	0	29	2	14	12	90	----	----	----	----	----	----	----	----	----
Florida	0	15	2	1	1	18	45	8	0	90	0	15	3	1	0	17	39	9	84
Lawrence	0	17	4	21	0	30	2	16	0	90	----	----	----	----	----	----	----	----	----
Mendon	0	23	3	1	2	52	2	7	0	90	0	21	1	1	0	50	2	8	83
Nantucket	1	22	6	2	7	40	3	8	1	90	----	----	----	----	----	----	----	----	----
New Bedford	5	22	1	6	6	42	1	7	0	90	4	2	0	0	0	1	8	5	20
Newburyport	13	7	24	6	8	4	14	3	0	79	----	----	----	----	----	----	----	----	----
Richmond	0	5	0	11	0	8	0	22	0	46	1	5	0	10	0	6	8	18	48
Westfield	2	7	3	12	8	14	14	30	0	90	----	----	----	----	----	----	----	----	----
Williamstown	8	2	5	8	11	11	4	17	22	88	0	1	2	2	2	0	0	0	7
Worcester	5	20	6	9	5	21	3	15	0	84	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	2	30	1	3	17	26	1	9	1	90	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	0	13	0	1	9	23	0	26	18	90	0	6	0	1	6	13	0	20	46
Pomfret	8	15	4	4	11	24	1	22	0	89	2	10	3	0	5	3	2	22	47
Saybrook	5	11	1	10	6	33	1	5	12	84	2	7	1	1	1	12	4	6	34
Waltingford	12	1	2	22	26	8	3	16	0	90	3	6	1	2	1	5	20	4	42
NEW YORK—																			
Baldwinsville	1	0	9	1	0	15	53	7	0	86	1	0	1	1	0	6	31	3	43
Beverly	15	7	0	7	11	35	0	13	1	89	2	6	0	8	3	17	11	12	59
Cazenovia	2	3	3	5	3	18	7	46	3	90	4	1	1	1	0	17	21	20	65
Covert	6	3	1	12	12	9	7	21	19	90	3	0	1	1	4	9	9	10	37
Eden	0	0	5	8	40	21	16	0	0	90	0	2	0	0	0	1	1	0	4
Morrisania	7	10	9	32	11	6	8	7	0	90	----	----	----	----	----	----	----	----	----
Nichols	1	0	8	38	6	4	3	33	0	93	0	1	3	11	1	7	6	25	54
Ogdensburg	4	3	0	1	1	4	1	1	0	15	----	----	----	----	----	----	----	----	----
Sag Harbor	8	11	8	4	29	11	6	4	1	82	3	1	0	1	0	7	8	9	29
Saratoga	0	22	0	11	0	48	0	9	0	90	0	22	0	12	0	49	0	7	90
Wampsville	0	2	7	2	20	8	45	6	0	90	0	1	7	1	19	7	33	4	72
NEW JERSEY—																			
Bloomfield	0	22	0	0	6	49	7	6	0	90	----	----	----	----	----	----	----	----	----

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Lambertville	6	8	4	10	10	25	1	19	0	83	----	----	----	----	----	----	----	----	----
Newark	1	14	2	18	1	13	6	5	0	60	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	0	0	0	7	1	32	1	37	0	78	1	25	1	22	0	0	0	7	56
Berwick	4	3	26	1	10	14	26	3	3	90	----	----	----	----	----	----	----	----	----
Cannonsburg	0	1	11	1	0	6	64	4	3	90	----	----	----	----	----	----	----	----	----
Easton	5	4	2	9	4	14	12	6	16	72	2	0	1	0	2	8	7	3	23
Fleming	2	2	12	8	1	34	14	12	5	90	1	0	3	3	0	20	12	20	59
Gettysburg	15	13	3	1	14	20	5	10	8	89	4	5	2	0	6	16	18	21	72
Harrisburg, [Heisely]	6	0	4	5	8	10	48	3	6	90	4	0	0	0	5	9	22	2	42
Harrisburg, [Hickok]	7	5	17	3	14	18	16	9	0	89	0	3	2	2	3	1	0	0	11
Indiana	6	8	9	14	6	21	14	12	0	90	----	----	----	----	----	----	----	----	----
Lewisburg	6	10	0	4	13	14	4	9	29	89	2	3	0	0	6	6	5	6	28
Meadville	5	3	0	0	15	5	11	10	41	90	3	3	0	2	2	13	13	14	50
Morrisville	0	10	10	7	13	29	3	1	17	90	1	10	1	2	0	29	15	5	63
Mount Joy	2	0	1	31	0	1	1	8	45	89	----	----	----	----	----	----	----	----	----
Murrysville	1	5	4	7	1	33	0	8	24	83	0	0	1	3	0	19	2	14	39
Norristown	1	2	17	4	6	19	21	8	0	78	1	1	9	2	1	8	28	4	54
North Whitehall	1	4	5	1	11	10	5	2	51	90	0	4	0	0	3	3	15	10	35
Philadelphia	4	16	7	0	4	30	3	26	0	90	2	0	1	0	0	13	5	8	29
Pittsburg, [Marine Hosp'l]	2	0	4	3	12	10	18	4	37	90	0	0	1	0	2	11	14	0	28
Pocopson	10	9	6	2	8	28	16	3	8	90	7	2	1	1	5	9	11	8	44
Shamokin	0	0	3	3	21	10	53	0	0	90	1	0	0	0	0	3	53	1	58
Somerset	3	0	0	9	5	15	18	10	30	90	4	1	0	4	3	19	31	6	68
Tarentum	2	4	1	1	5	14	4	8	51	90	1	1	2	0	3	9	23	9	48
West Haverford	1	4	6	3	3	20	5	12	6	60	7	1	4	1	0	6	13	14	46
Westtown	4	4	7	14	2	22	4	32	0	89	3	0	2	2	0	5	5	29	46
DELAWARE—																			
Milford	1	18	8	4	4	26	5	7	0	73	16	5	7	0	3	4	14	2	51
MARYLAND—																			
Annapolis	7	26	4	15	11	14	2	7	4	90	2	0	0	0	0	29	3	0	34
Baltimore	27	6	7	9	16	7	6	10	2	90	0	0	0	0	1	1	0	0	2
Bladensburg	4	8	6	0	0	17	4	6	0	45	----	----	----	----	----	----	----	----	----
Chestertown	6	7	14	10	5	14	20	12	0	88	----	----	----	----	----	----	----	----	----
Frederick	3	8	3	4	4	9	14	16	26	87	2	2	2	1	3	5	22	10	47
Leitersburg	6	5	1	5	12	39	13	12	3	87	8	5	0	2	2	12	13	13	55
Sykesville	17	14	6	10	13	17	11	2	0	90	1	4	7	8	4	13	38	2	77
DISTRICT OF COLUMBIA—																			
Washington	7	8	10	7	15	11	9	11	11	89	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Buffalo	0	0	58	0	6	3	23	0	0	90	0	0	14	0	5	0	17	0	36
Crichton's Store	25	4	0	3	16	37	2	2	1	90	0	0	0	0	0	4	24	0	28
Kanawha	25	0	0	0	43	0	1	1	20	90	4	0	2	3	5	8	13	3	38
Montross	4	8	7	2	11	11	10	5	32	90	4	2	1	1	4	13	10	1	36
Poplar Grove	0	0	16	1	0	4	20	1	44	86	2	1	5	2	2	19	17	8	56
Portsmouth	1	17	2	11	5	32	13	8	0	89	----	----	----	----	----	----	----	----	----
Rose Hill	4	9	7	1	6	13	3	2	8	53	----	----	----	----	----	----	----	----	----
Rougemont	8	16	4	2	26	2	8	6	17	89	3	7	1	1	4	1	21	3	41
Smithfield	6	14	2	9	23	21	5	7	0	90	6	8	1	0	1	16	19	14	65
Winchester	0	0	0	0	0	5	23	1	58	87	----	----	----	----	----	----	----	----	----
Wirt Court-House	0	4	0	5	0	35	0	7	27	78	0	0	0	0	0	48	0	14	62
NORTH CAROLINA—																			
Chapel Hill	7	14	1	4	14	42	8	0	0	90	5	12	2	0	6	26	4	2	57
Davidson College	0	18	0	1	2	54	3	0	12	90	1	10	1	1	1	46	0	0	60
Marlborough	2	5	2	0	25	14	2	5	26	81	0	1	1	2	6	19	9	5	43
Murfreesborough	2	10	2	14	10	29	3	4	14	88	1	8	0	4	1	16	25	4	59
SOUTH CAROLINA—																			
All Saints	4	9	6	3	36	17	12	3	0	90	5	9	0	1	16	37	12	1	81
Charleston, [Dawson]	0	9	0	24	3	21	0	2	0	59	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	3	2	2	0	15	7	0	1	0	30	----	----	----	----	----	----	----	----	----
Columbia	1	3	4	10	13	18	7	1	0	60	4	2	1	0	3	7	5	2	24
St. John's	0	14	0	40	2	21	0	8	0	85	2	8	5	3	4	3	0	0	25

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—																			
Athens	0	8	5	19	15	13	2	5	21	88	---	---	---	---	---	---	---	---	---
Hillsborough	1	15	9	21	8	20	9	7	0	90	0	1	0	0	1	0	0	0	2
Savannah	3	6	4	36	15	19	1	5	0	89	1	0	1	0	1	0	1	0	4
Sparta	0	13	7	24	13	16	5	12	0	90	2	4	3	10	7	17	4	5	52
Whitemarsh Island	4	6	4	16	26	11	8	4	11	90	1	7	3	3	8	7	9	5	43
Zebulon	0	5	16	9	8	6	10	12	0	66	2	2	13	9	12	5	2	4	49
FLORIDA—																			
Alachua County	1	26	6	29	1	12	0	13	0	88	---	---	---	---	---	---	---	---	---
Alligator	2	1	5	54	0	3	2	1	22	90	1	0	13	17	0	4	0	1	36
Atsena	3	12	15	15	2	23	12	5	3	90	1	12	12	15	3	11	7	7	68
Jacksonville	2	27	3	28	6	21	1	2	0	90	1	11	2	14	2	20	5	4	59
Micanopy	5	5	26	9	0	1	2	2	33	83	1	4	4	4	1	3	3	1	21
St. Augustine	0	31	30	19	0	7	0	3	0	90	0	32	30	17	0	8	0	1	88
Salt Ponds	2	7	26	18	2	1	2	0	2	60	---	---	---	---	---	---	---	---	---
ALABAMA—																			
Greene Springs	0	0	8	35	0	8	5	4	25	85	7	2	0	5	15	18	2	3	52
Greensborough	17	6	4	22	16	6	5	12	0	88	4	1	1	9	8	3	12	3	41
Selma	5	9	5	33	6	15	5	12	0	90	14	5	0	16	7	16	3	27	88
MISSISSIPPI—																			
Columbus	7	4	8	10	41	3	7	10	0	90	4	0	5	3	26	1	14	4	57
Natchez	2	12	1	11	18	32	3	11	0	90	---	---	---	---	---	---	---	---	---
Paulding	0	3	8	19	4	40	4	9	0	87	1	2	5	21	4	39	4	7	83
LOUISIANA—																			
Black River	10	2	3	14	45	7	0	8	1	90	9	3	3	4	15	12	0	8	54
New Orleans	0	0	0	53	0	37	0	0	0	90	---	---	---	---	---	---	---	---	---
TEXAS—																			
Austin, [Palm]	10	3	0	5	52	16	4	0	0	90	---	---	---	---	---	---	---	---	---
Austin, [Van Nostrand]	13	0	3	0	66	0	8	0	0	90	1	0	2	1	38	0	2	0	44
Goliad	11	6	9	47	5	0	1	0	0	79	26	2	7	10	1	1	11	11	69
Larissa	4	6	15	27	18	8	1	6	4	89	2	0	0	7	18	4	3	1	35
New Braunfels	25	2	21	16	14	1	9	2	0	90	2	0	0	0	0	0	0	0	2
Union Hill	10	1	3	11	53	4	0	0	8	90	8	0	1	6	46	3	0	2	66
Washington	55	0	0	0	13	0	0	1	15	84	12	3	0	1	0	1	1	2	20
TENNESSEE—																			
Glenwood	4	6	5	21	24	7	4	3	16	90	2	5	3	4	6	29	24	4	77
Memphis	4	4	5	10	22	18	7	14	6	90	---	---	---	---	---	---	---	---	---
KENTUCKY—																			
Bardstown	7	3	9	9	13	32	3	10	0	86	3	2	2	5	10	25	8	8	63
Louisville	7	8	0	30	5	30	4	6	0	90	2	2	0	1	0	22	13	5	45
Millersburg	2	0	1	2	0	5	28	7	45	90	0	1	0	0	0	0	48	0	49
Paris	2	8	6	8	11	39	4	10	0	88	1	0	3	0	10	5	20	0	39
Springdale	5	3	3	4	4	22	7	2	40	90	---	---	---	---	---	---	---	---	---
OHIO—																			
Bellefontaine	0	9	2	9	1	41	9	11	0	82	0	10	0	1	0	53	1	6	71
Bowling Green	0	7	3	3	0	26	2	3	43	87	1	6	0	1	0	28	7	6	49
Cincinnati, [Harper]	9	0	2	0	4	45	19	11	0	90	---	---	---	---	---	---	---	---	---
Cincinnati, [Hurtt]	2	3	3	8	15	24	6	6	22	89	2	3	0	6	9	18	6	3	47
Dayton	3	11	1	11	5	38	0	16	1	86	2	9	0	5	2	31	0	10	59
Edinburg	0	41	4	5	0	14	0	14	12	90	0	4	1	1	0	21	35	2	64
Hillsborough	0	10	0	22	2	37	1	18	0	90	0	0	0	0	1	11	1	5	18
Hiram	4	8	7	3	26	15	10	12	1	86	0	3	4	0	0	6	11	5	29
Jackson, (Jackson Co.)	0	0	14	0	38	1	23	0	6	82	2	0	2	0	19	1	16	0	40
Jackson, (Monroe Co.)	12	5	3	2	2	0	0	0	52	76	0	0	0	0	0	1	0	0	1
Jefferson	1	8	0	24	0	47	0	10	0	90	0	34	0	9	1	8	0	17	69
Lancaster	3	16	7	4	10	25	15	8	2	90	4	3	1	1	2	18	16	4	49
Madison, [Atkins]	2	4	0	0	12	4	14	3	29	68	0	4	2	0	0	4	0	0	10
Madison, [King]	4	6	0	6	11	17	8	11	26	89	1	5	0	1	5	31	11	6	60
Medina	5	13	1	6	2	39	5	19	0	90	1	28	24	23	3	8	0	3	90
Mount Union	2	2	1	1	0	11	1	3	17	38	0	5	3	2	2	1	0	0	13
New Lisbon	7	10	1	10	11	22	11	18	0	90	2	3	0	3	3	17	11	17	56
Northwood	2	8	5	1	0	15	39	4	4	78	2	9	0	0	0	9	30	11	61
Ripley	1	3	1	17	3	1	2	8	33	69	0	1	1	0	0	0	5	5	12

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Savannah	1	3	1	14	1	54	6	10	0	90	1	3	1	0	0	46	6	8	65
Urbana	2	2	0	10	10	8	8	7	42	89	2	6	0	1	1	14	24	4	52
Welchfield	3	3	0	18	28	29	6	3	0	90	0	0	0	0	1	2	0	0	3
Westerville	2	5	2	0	21	29	16	12	3	90	1	6	3	0	8	26	19	11	74
MICHIGAN—																			
Battle Creek	2	5	3	5	11	18	18	2	26	90	0	2	0	0	0	16	38	2	58
Cooper	0	0	5	0	0	0	22	0	63	90	3	1	2	5	1	8	1	3	24
Detroit	2	4	2	28	7	31	16	0	0	90	0	3	2	34	19	26	6	0	90
Forestville	7	28	1	29	3	19	9	9	1	106	0	24	16	5	3	1	2	0	51
Grand Rapids, [Streng]	1	9	9	3	2	28	32	3	0	87	2	14	5	2	1	12	46	3	85
Marquette	4	4	15	30	1	7	12	15	0	88	----	----	----	----	----	----	----	----	----
Monroe	0	10	5	65	0	4	0	6	0	90	0	11	4	34	0	3	0	6	58
New Buffalo	----	----	----	----	----	----	----	----	----	----	1	4	1	1	2	22	29	6	66
Port Huron	20	2	2	4	22	23	6	5	2	86	1	0	0	0	0	15	8	3	27
INDIANA—																			
Cannelton	3	1	2	32	15	8	13	15	0	89	1	1	1	6	7	6	3	8	33
Evansville	4	8	2	9	43	17	3	3	0	89	0	3	0	6	15	19	9	7	59
Logansport	2	3	2	2	20	39	15	3	0	90	1	6	0	3	2	27	34	4	77
Madison	4	1	1	22	5	32	17	8	0	90	1	1	1	11	3	16	7	3	43
Michigan City	17	6	3	10	29	10	2	3	10	90	5	1	2	3	17	12	5	2	47
New Harmony	5	2	4	10	24	17	7	6	0	75	----	----	----	----	----	----	----	----	----
Richmond, [Austin]	8	7	0	3	3	16	4	3	13	57	1	5	0	1	1	15	11	3	37
Richmond, [Moore]	0	5	6	4	2	23	7	5	37	89	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	0	11	1	42	2	19	1	6	0	82	4	2	0	2	0	11	6	31	56
Augusta	2	9	6	11	19	23	10	0	10	90	3	6	2	2	14	12	12	1	52
Aurora	4	10	1	10	30	25	5	5	0	90	0	1	4	0	3	25	35	1	69
Batavia, [Capon]	0	12	1	3	4	42	20	4	0	86	----	----	----	----	----	----	----	----	----
Batavia, [Mead]	0	19	0	8	0	58	1	4	0	90	0	13	0	4	0	48	3	6	74
Brighton	1	10	6	20	9	34	1	9	0	90	0	18	9	5	0	12	1	7	52
Edgington	5	10	0	11	11	33	5	15	0	90	1	5	0	9	13	50	0	4	82
Elgin	4	8	6	19	8	20	5	1	17	88	0	0	1	1	0	1	5	0	8
Jacksonville	3	2	2	0	9	9	0	1	0	26	----	----	----	----	----	----	----	----	----
Manchester	6	6	2	5	18	11	11	1	0	90	4	3	1	7	31	16	8	2	72
Marengo	0	8	8	33	5	36	0	0	0	90	----	----	----	----	----	----	----	----	----
Ottawa	2	13	0	13	12	29	7	2	4	82	1	3	0	4	6	12	1	3	30
Pekin	7	6	4	11	40	6	4	4	8	90	5	6	0	3	8	13	7	7	49
Peoria	1	7	4	5	57	9	7	0	0	90	0	0	0	1	9	7	3	0	20
Riley	7	4	4	6	13	25	9	7	15	90	----	----	----	----	----	----	----	----	----
South Pass	5	4	1	6	33	5	3	3	27	87	1	0	0	0	1	1	0	1	4
Upper Alton	1	0	0	1	0	66	4	15	0	87	1	2	0	1	1	67	4	14	90
Warsaw	1	9	1	43	5	23	2	6	0	90	3	1	0	3	2	17	4	8	38
Waynesville	7	3	6	0	15	5	31	0	23	90	5	1	2	1	13	6	20	0	48
West Salem	7	5	3	8	32	7	0	3	25	90	1	1	0	4	13	8	21	6	54
West Urbana	2	15	3	20	24	21	4	1	0	90	1	0	1	2	3	6	3	1	17
Wheaton	2	14	4	4	22	25	6	2	10	89	1	1	0	0	2	3	8	2	17
Winnebago	0	9	6	28	10	29	3	5	0	90	0	0	0	1	1	9	19	7	37
MISSOURI—																			
St. Louis	6	10	2	27	21	16	4	4	0	90	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	0	23	0	0	1	60	3	3	0	90	0	18	3	0	0	44	0	1	66
Bay City	0	41	1	2	13	26	3	4	0	90	0	6	0	0	2	16	3	2	29
Beloit	9	8	4	9	29	23	5	3	0	90	1	1	1	0	2	2	2	0	9
Green Bay	15	5	5	0	16	18	10	0	18	87	8	3	2	0	8	11	2	1	35
Janesville	3	9	11	12	21	18	9	0	7	90	----	----	----	----	----	----	----	----	----
Kenosha	0	10	13	2	31	19	8	4	0	87	----	----	----	----	----	----	----	----	----
Madison	1	4	2	22	13	16	5	10	5	78	0	0	0	0	0	3	0	1	4
Manitowoc	14	8	5	20	17	9	11	6	0	90	0	1	6	0	1	5	13	0	26
Milwaukee, [Pomeroy]	1	20	3	23	10	20	3	10	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	5	15	11	23	9	9	15	3	0	90	----	----	----	----	----	----	----	----	----
New London	5	1	3	6	18	13	7	7	0	90	1	3	2	0	1	22	37	10	76
Platteville	6	6	12	31	15	10	4	6	0	90	2	4	10	8	1	33	3	6	67
Waukesha	0	7	0	0	21	15	6	1	39	89	3	3	2	0	0	0	3	1	12

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—																			
Bellevue	5	3	4	30	11	18	9	10	0	90	1	1	1	3	1	0	6	0	13
Border Plains	6	2	11	16	25	10	5	9	6	90	1	1	0	1	10	5	4	2	24
Dubuque	3	2	3	17	15	24	4	6	15	89	2	3	1	4	6	21	14	9	60
Fairfield	3	3	0	20	5	30	0	2	27	90	0	1	10	0	0	0	0	2	13
Port Madison	1	5	0	21	4	44	2	12	1	90	2	2	0	5	9	25	16	3	62
Franklin	3	1	10	7	23	12	5	4	25	90	0	0	1	0	0	0	0	0	1
Iowa City	0	4	1	25	10	34	2	1	10	87	.	----	----	----	----	----	----	----	----
Muscatine	1	5	10	14	33	10	11	6	0	90	0	0	0	0	0	14	0	3	17
Pleasant Plain	1	7	1	14	23	31	2	6	5	90	0	0	0	2	3	17	10	3	35
Poultney	6	1	8	13	9	14	5	2	12	70	2	0	3	1	10	11	6	1	34
Sioux City	12	5	11	11	32	0	2	10	0	84	2	2	0	1	18	1	1	8	33
MINNESOTA—																			
Burlington	0	0	16	2	9	1	2	0	0	30	----	----	----	----	----	----	----	----	----
Forest City	0	2	0	1	0	22	0	3	53	81	----	----	----	----	----	----	----	----	----
Hazlewood	6	4	5	10	25	17	5	18	0	90	0	4	4	2	0	1	3	2	16
Lapham	4	4	17	15	17	6	21	6	0	90	4	2	12	3	13	4	13	2	53
Princeton	16	2	11	3	19	7	10	3	10	81	3	0	4	0	13	4	22	3	49
Wabashaw	12	8	21	4	2	0	6	2	35	90	5	7	11	1	5	0	8	0	37
NEBRASKA—																			
Bellevue	19	0	6	3	55	1	1	0	0	85	12	0	2	1	13	2	6	0	36
Brownville	0	1	1	14	19	30	0	24	0	89	0	6	1	11	2	16	0	14	50
Elkham	15	9	5	29	23	7	0	2	0	90	2	0	1	0	1	3	1	0	8
Omaha	1	5	6	7	34	13	4	7	0	77	11	11	4	2	5	5	7	7	52
KANSAS—																			
Burlingame	8	2	1	7	52	4	0	2	14	90	----	----	----	----	----	----	----	----	----
Lawrence	7	2	4	11	52	3	3	2	4	88	----	----	----	----	----	----	----	----	----
Leaven'th City, [Berthoud]	0	6	0	3	0	34	0	3	2	48	0	4	0	5	0	33	0	0	42
Leaven'th City, [McCarty]	4	7	2	7	49	15	1	4	1	90	3	3	0	0	10	22	7	6	51
Manhattan	2	7	4	5	20	21	2	1	27	89	2	4	4	0	12	5	5	0	32
Mapleton	0	3	6	21	16	29	9	6	0	90	0	0	0	0	1	0	0	0	1
Topeka	0	9	4	2	44	5	5	1	20	90	----	----	----	----	----	----	----	----	----
MEXICO—																			
Cordova	10	17	9	4	3	4	6	7	0	60	----	----	----	----	----	----	----	----	----
Minatitlan	2	21	0	2	2	7	2	2	19	57	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	3	0	0	6	0	74	0	7	0	90	----	----	----	----	----	----	----	----	----
Sacramento	2	1	1	15	31	22	6	12	0	90	0	0	0	13	1	7	1	0	22
San Francisco	0	0	0	0	0	0	58	1	31	90	1	0	0	0	2	5	38	5	51
WEST INDIES—																			
Nassau, Bahamas	0	12	16	14	0	10	0	0	0	52	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	3	22	17	23	11	2	0	0	0	78	0	9	29	24	0	0	0	0	62

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	2	18	0	1	1	22	4	7	38	93	1	22	0	2	2	27	6	11	71
Red River Settlement	7	5	10	0	21	5	15	4	20	87	11	15	5	2	3	4	10	2	52
St John's	4	20	1	11	1	22	11	23	0	93	....	....	....	....	....	....	....	....	....
St Martin	1	23	3	21	11	21	5	8	0	93	....	....	....	....	....	....	....	....	....
Stanbridge	14	3	10	21	15	5	9	9	7	93	....	....	....	....	....	....	....	....	....
Toronto	3	21	3	20	3	9	1	20	13	93	..	....	....	....	....	....	....	....	....
Windsor	7	2	7	16	1	8	23	14	6	84	1	0	0	0	0	0	3	2	6
MAINE—																			
Cornish, [Guptill]	10	14	1	10	9	6	17	26	0	93	....	....	....	....	....	....	....	....	....
Cornish, [West]	8	13	10	0	8	23	18	13	0	93	0	0	0	0	0	0	6	1	7
Dexter	3	23	0	4	5	16	1	37	4	93	....	....	....	....	....	....	....	....	....
Gardiner	6	22	6	14	4	17	2	11	11	93	5	7	0	2	2	14	2	14	46
Perry	0	16	2	23	7	17	3	23	2	93	0	8	2	4	0	4	4	15	57
Portland	8	11	12	9	18	8	7	16	0	89	2	3	2	3	1	3	13	8	35
Steuben	0	24	0	15	7	26	4	13	4	93	5	14	1	0	0	16	10	6	52
NEW HAMPSHIRE—																			
Concord	0	17	0	10	0	17	0	14	9	67	0	0	0	0	0	1	1	0	2
Shelburne	0	0	21	0	0	0	50	0	14	85	0	2	9	4	1	0	31	11	58
Stratford	1	13	21	8	10	12	12	16	0	93	4	0	5	3	9	9	24	16	70
West Enfield	5	3	0	5	12	16	2	49	1	93	5	3	0	4	4	9	3	40	68
VERMONT—																			
Brandon	10	0	5	12	29	6	5	23	2	92	6	0	0	0	0	15	1	45	67
Burlington	6	2	0	14	1	35	2	32	0	92	....	....	....	....	....	....	....	....	....
Craftsbury	3	15	2	3	28	9	10	20	3	93	2	6	0	1	10	6	23	14	62
Rupert	....	....	....	....	....	....	....	....	....	....	28	0	0	0	10	31	0	9	78
St. Johnsbury	6	3	0	10	10	5	21	36	1	92	2	0	1	0	2	6	19	4	34
MASSACHUSETTS—																			
Amherst	18	6	3	10	21	15	1	17	0	91	4	1	0	4	11	6	0	4	30
Bridgewater	11	15	11	1	5	34	10	6	0	93	9	2	1	0	0	14	8	2	36
Cambridge	3	7	9	2	0	40	4	14	14	93	....	....	....	....	....	....	....	....	....
Florida	0	3	1	0	1	8	75	5	0	93	0	3	1	0	0	14	55	4	77
Lawrence	2	19	0	6	1	31	4	28	2	93	....	....	....	....	....	....	....	....	....
Mendon	0	22	0	0	3	48	2	18	0	93	0	24	0	0	4	40	1	16	85
Nantucket	0	17	5	5	4	41	6	8	7	93	....	....	....	....	....	....	....	....	....
New Bedford	2	15	0	9	4	43	5	15	0	93	1	4	0	0	1	6	4	10	26
Newburyport	11	4	7	1	12	7	13	4	0	59	....	....	....	....	....	....	....	....	....
Richmond	0	6	0	10	0	46	0	31	0	93	2	0	1	7	1	24	9	9	53
Westfield	5	5	3	25	3	14	5	33	0	93	0	0	0	0	0	1	0	2	3
Williamstown	11	1	9	3	10	0	9	7	25	75	0	1	1	1	0	0	0	0	3
Worcester	16	19	3	4	5	22	7	10	0	86	....	....	....	....	....	....	....	....	....
RHODE ISLAND—																			
Providence	2	15	1	3	8	39	0	25	0	93	....	....	....	....	....	....	....	....	....
CONNECTICUT—																			
Columbia	3	8	0	1	1	26	8	39	7	93	1	4	0	0	0	19	4	23	51
New London	11	2	2	14	26	22	2	14	0	93	....	....	....	....	....	....	....	....	....
Pomfret	8	16	2	1	11	30	3	22	0	93	2	10	2	0	7	11	8	17	57
Saybrook	11	8	2	13	14	25	5	4	4	86	1	6	1	3	5	12	7	11	46
Wallingford	8	5	2	15	26	12	2	23	0	93	2	2	2	0	3	14	21	7	51
NEW YORK—																			
Baldwinsville	8	2	5	1	0	15	42	17	0	90	2	1	0	0	0	2	39	13	57
Beverly	7	3	0	14	8	25	0	28	0	85	4	1	0	8	3	20	11	12	59
Cazenovia	6	0	0	2	5	26	7	35	5	86	3	0	0	1	3	12	22	24	65
Eden	4	14	5	3	12	13	26	8	0	85	0	2	4	2	2	3	19	8	40
Morrisania	9	4	7	31	13	7	6	13	0	93	....	....	....	....	....	....	....	....	....
Nichols	0	1	2	36	10	7	7	30	0	93	0	1	0	12	4	14	10	29	70
Ogdensburg	10	3	0	0	1	13	1	1	0	29	....	....	....	....	....	....	....	....	....
Rochester	10	19	11	1	5	11	21	10	0	88	11	6	6	0	1	5	19	2	50
Sag Harbor	5	9	6	8	25	24	9	6	0	92	2	2	0	0	2	8	17	7	38
Saratoga	0	30	0	14	0	39	1	9	0	93	1	30	0	11	0	39	2	10	93
Wampsville	0	0	6	4	25	3	48	7	0	93	0	0	2	3	18	5	43	3	74
NEW JERSEY—																			
Bloomfield	8	3	0	0	13	51	2	16	0	93	....	....	....	....	....	....	....	....	....

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Lambertville	4	15	2	10	15	26	3	13	0	88	...	...	...	...	...	...	...	...	...
Newark	6	10	3	10	1	24	0	8	0	62	...	...	...	...	...	...	...	...	...
PENNSYLVANIA—																			
Bedford	1	0	1	23	2	17	2	35	0	81	3	12	3	29	0	0	0	10	57
Berwick	4	2	38	2	8	6	29	4	0	93	...	...	...	...	...	...	...	...	...
Cannonsburg	0	4	27	5	0	18	26	13	0	93	11	12	27	4	7	4	5	2	72
Chambersburg	9	8	22	6	10	5	12	3	18	93	7	4	5	2	11	12	27	4	72
Easton	9	5	4	12	9	8	13	23	4	87	...	...	...	...	...	...	...	...	...
Fleming	1	3	18	12	0	20	15	20	4	93	1	0	0	2	2	6	8	36	55
Gettysburg	9	13	1	2	21	21	11	10	5	93	3	5	0	3	6	18	19	27	81
Harrisburg, [Heisely]	0	0	3	5	14	25	34	10	0	91	0	0	1	0	4	14	24	6	49
Harrisburg, [Hickok]	17	8	8	5	18	14	14	9	0	93	0	0	1	1	3	3	3	0	11
Indiana	11	13	11	17	15	6	8	12	0	93	...	...	...	...	...	...	...	...	...
Lewisburg	4	8	0	5	9	19	1	15	31	92	2	3	0	1	1	7	6	12	32
Meadville	1	3	0	6	12	11	3	12	45	93	...	...	...	...	...	...	...	...	...
Morrisville	3	5	3	5	28	20	6	5	18	93	0	1	0	2	0	22	22	8	55
Mount Joy	16	0	0	21	1	0	0	14	38	93	...	...	...	...	...	...	...	...	...
Murrysville	0	8	11	5	0	33	6	5	25	93	2	0	1	2	1	26	7	16	55
Norristown	0	1	5	13	7	26	25	4	0	81	0	1	6	3	3	12	28	2	55
North Whitehall	1	1	4	0	11	4	9	6	57	93	1	1	0	0	9	1	23	5	40
Philadelphia	4	17	1	10	16	29	4	12	0	93	2	1	0	2	2	9	9	11	36
Pittsburg, [M. H.]	2	0	8	2	9	9	23	3	37	93	1	0	0	1	1	7	16	2	28
Pocopson	9	6	0	4	21	27	14	6	0	87	9	2	0	2	4	7	13	6	43
Shamokin	0	0	3	0	11	3	76	0	0	93	0	0	1	0	0	0	64	0	65
Somerset	4	2	1	17	3	11	19	10	26	93	4	0	2	9	4	13	26	24	82
Tarentum	11	5	4	4	4	11	16	8	30	93	0	2	0	0	2	11	36	13	64
Westtown	10	4	3	9	9	29	9	20	0	93	2	3	1	0	3	10	9	23	51
MARYLAND—																			
Annapolis	5	17	10	13	20	15	1	4	8	93	5	0	1	0	0	22	10	3	41
Baltimore	14	4	3	6	20	10	7	10	0	74	0	0	0	0	1	0	0	0	1
Bladensburg	1	8	5	4	2	17	2	4	0	43	...	...	...	...	...	...	...	...	...
Chestertown	2	6	24	11	6	25	13	5	0	92	...	...	...	...	...	...	...	...	...
Frederick	3	21	2	7	1	8	11	12	28	93	1	2	0	1	3	8	29	6	50
Leitersburg	2	6	6	5	28	23	13	8	2	93	3	2	1	4	9	13	26	28	86
Sykesville	5	18	8	10	25	17	8	2	0	93	3	4	3	5	1	10	45	2	73
DISTRICT OF COLUMBIA—																			
Washington	5	6	12	16	31	2	2	6	11	91	0	0	0	0	1	0	3	0	4
VIRGINIA—																			
Buffalo	11	3	49	0	4	0	26	0	0	93	14	1	27	0	5	0	14	0	61
Crichton's Store	26	14	3	2	16	22	5	4	0	92	0	0	0	0	0	17	17	4	38
Kanawha	21	3	0	5	33	1	1	4	16	84	2	2	0	3	3	17	10	8	45
Lewinsville	9	7	0	8	1	2	48	17	1	93	...	...	...	...	...	...	...	...	...
Montross	0	10	10	7	5	22	2	2	35	93	2	5	2	4	5	14	3	1	36
Poplar Grove	0	0	17	3	0	2	26	1	29	78	0	2	3	6	7	7	17	16	58
Portsmouth	2	17	12	10	4	30	11	6	0	92	...	...	...	...	...	...	...	...	...
Rose Hill	2	6	3	8	5	13	1	2	5	45	0	0	0	0	0	0	0	2	2
Rougemont	14	12	10	0	26	1	11	6	13	93	8	2	4	1	8	1	20	5	49
Smithfield	10	26	11	9	18	13	1	5	0	93	6	8	7	2	6	15	7	18	69
Wirt Court-House	0	3	0	10	0	19	1	11	41	85	0	0	0	7	1	29	3	20	60
NORTH CAROLINA—																			
Chapel Hill	10	22	2	1	9	19	22	5	0	90	10	11	2	0	11	8	11	4	57
Davidson College	0	26	0	1	1	36	8	2	10	84	0	18	1	0	2	26	5	5	57
Marlborough	...	...	...	...	...	...	...	...	...	...	0	2	0	0	0	4	1	2	9
Murfreesborough	4	18	2	12	3	14	4	5	17	79	2	13	0	6	2	10	9	7	49
SOUTH CAROLINA—																			
All Saints	5	13	11	9	24	6	22	3	0	93	8	17	6	3	7	7	28	5	81
Charleston, [Dawson]	0	14	1	15	1	21	4	6	0	62	...	...	...	...	...	...	...	...	...
Columbia	...	...	...	...	...	...	...	...	...	...	7	1	5	4	9	7	10	2	45
St. John's	0	7	0	25	3	14	3	16	0	68	8	3	1	0	3	7	6	4	32
GEORGIA—																			
Athens	2	15	9	9	9	10	4	11	19	88	...	...	...	...	...	...	...	...	...
Savannah	7	12	3	11	14	36	6	4	0	93	0	1	0	0	1	0	1	0	3

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—Continued.																			
Sparta	7	15	5	10	5	29	7	13	0	91	3	12	2	2	2	12	8	11	52
Whitemarsh Island	0	18	2	1	16	7	28	8	13	93	3	14	2	4	5	6	6	6	46
FLORIDA—																			
Alachua County	1	13	0	13	1	54	0	8	0	90									
Alligator	0	5	6	34	7	11	5	3	22	93	1	5	19	3	1	4	6	3	42
Atsena	4	5	6	12	4	24	27	8	3	93	3	9	4	12	6	17	17	9	77
Belair	2	10	9	10	6	10	13	6	24	90	1	7	22	8	2	8	22	7	77
Jacksonville	0	7	4	7	4	36	29	4	2	93	3	4	13	10	8	7	6	1	52
St. Augustine	3	21	5	14	1	16	0	33	0	93	0	19	2	8	0	17	2	32	80
Salt Ponds	0	4	22	15	11	3	1	2	1	62									
Micanopy	2	2	11	3	0	10	12	3	33	76	0	0	0	0	2	3	3	2	10
ALABAMA—																			
Carlowville	10	0	3	1	13	16	41	9	0	93	0	0	0	0	6	0	2	0	8
Greene Springs	1	2	10	22	1	13	16	1	22	88	7	3	4	4	3	5	9	0	35
Greensborough	12	4	2	16	7	20	10	10	0	81	2	0	7	2	0	7	21	4	43
Selma	16	8	22	6	6	4	20	11	0	93	4	2	6	16	3	11	15	36	93
MISSISSIPPI—																			
Columbus	11	11	14	17	14	9	10	7	0	93	1	7	4	6	8	13	9	4	52
Natchez	14	6	1	7	14	37	2	12	0	93	5	15	14	12	6	0	2	8	62
Paulding	1	15	4	8	0	27	9	10	0	74	0	13	2	6	0	31	10	7	69
LOUISIANA—																			
Black River	11	9	7	14	35	10	6	1	0	93	4	7	6	8	7	15	3	6	56
New Orleans	0	0	0	15	0	78	0	0	0	93									
TEXAS—																			
Austin, [Palm]	2	0	3	6	44	35	3	0	0	93	0	2	1	0	0	0	0	0	3
Austin, [Van Nostrand]	1	0	1	1	81	0	5	0	3	92	1	0	1	2	28	0	1	0	33
Goliad	2	1	3	60	14	2	2	1	0	85	22	4	9	21	3	0	0	0	59
Larissa	2	11	19	9	11	29	6	5	1	93	0	2	4	3	7	13	3	2	34
New Braunfels	5	0	16	33	11	2	19	7	0	93	0	0	0	0	0	0	0	1	1
Union Hill	0	0	1	5	67	13	0	0	7	93	0	0	0	6	52	3	0	0	61
TENNESSEE—																			
Glenwood	6	9	3	18	16	11	6	3	21	93	6	9	7	7	7	11	26	12	85
Memphis	5	7	11	16	10	18	8	8	10	93									
KENTUCKY—																			
Bardstown	13	14	2	13	13	18	10	7	0	90	7	6	3	8	5	18	9	9	65
Danville	6	23	0	3	22	23	7	9	0	93	4	5	0	0	4	19	8	20	60
Louisville	3	18	1	20	2	14	0	6	0	64	2	3	0	1	1	13	3	9	32
Paris	7	10	3	12	9	31	2	18	0	92	3	0	2	0	10	0	27	2	44
Springdale	4	12	8	2	1	23	7	2	34	93									
OHIO—																			
Bellefontaine	5	20	0	9	1	39	2	6	0	82	0	13	1	11	7	39	3	2	70
Bowling Green	2	15	3	2	0	20	2	1	44	89	3	5	0	2	0	14	13	20	57
Cincinnati, [Harper]	6	9	6	23	21	9	7	12	0	93									
Cleveland	27	10	1	10	14	13	6	1	7	89	1	2	1	0	1	9	15	3	32
Dayton	8	21	1	8	3	28	0	12	0	81	4	11	0	5	1	29	0	10	60
Edinburg	0	28	5	30	1	11	0	11	4	90	0	5	1	1	0	15	37	12	71
Hillsborough	0	13	0	29	0	31	0	18	1	92	1	1	0	1	0	9	0	7	19
Hiram	13	11	9	3	11	9	11	17	4	88	4	2	0	0	3	2	16	15	42
Jackson, (Monroe county)	12	6	3	2	10	0	0	0	39	72									
Jefferson	1	4	0	7	5	64	1	8	0	90	0	0	0	0	4	30	0	0	34
Lancaster	12	16	2	9	10	17	19	8	0	93	7	3	0	1	2	9	25	16	63
Madison, [Atkins]	7	12	0	1	7	5	7	5	25	69	0	3	0	0	1	0	7	0	11
Madison, [King]	9	22	5	4	4	15	9	12	13	93	1	9	1	1	2	14	26	19	73
Medina	6	17	0	8	4	26	2	18	0	81	0	29	20	23	7	11	0	2	92
New Lisbon	9	7	7	11	5	18	9	27	0	93	5	3	1	3	1	16	18	22	69
Northwood	7	16	14	7	6	19	3	4	5	81	6	15	14	7	6	16	2	2	68
Ripley	0	1	0	8	2	0	0	21	26	58	0	0	0	0	0	0	1	5	6
Savannah	4	9	2	11	0	44	8	15	0	93	5	8	1	0	0	39	8	12	73
Urbana	3	12	2	16	8	11	3	6	32	93	5	11	1	4	0	18	24	11	74
Welchfield	3	4	6	19	7	29	11	14	0	93	0	0	0	0	0	0	2	1	3
Westerville	14	5	3	5	9	13	12	6	1	68	5	2	16	3	1	8	10	7	52

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—																			
Battle Creek	2	12	10	0	11	17	11	1	29	93	0	3	1	0	1	13	47	3	68
Cooper	0	0	8	1	0	0	2	0	82	93	4	0	0	0	0	0	2	2	8
Detroit	1	2	11	33	5	36	2	0	0	93	0	2	7	42	5	36	1	0	93
Forestville	13	36	3	28	3	15	13	13	0	124	7	12	38	6	4	7	4	0	78
Grand Rapids, [Streng]	4	19	7	6	9	23	11	14	0	93	1	8	9	0	2	12	39	15	86
Marquette	0	12	13	18	2	8	19	21	0	93	----	----	----	----	----	----	----	----	----
Monroe	3	32	0	0	0	6	2	49	1	93	3	27	0	0	0	8	0	42	80
New Buffalo	----	----	----	----	----	----	----	----	----	----	1	1	3	4	2	21	29	16	77
Port Huron	32	9	0	2	4	25	3	7	5	87	4	0	0	0	0	14	12	6	36
INDIANA—																			
Cannelton	9	5	7	18	13	5	16	20	0	93	5	2	1	3	5	8	7	9	40
Evansville	2	2	7	8	38	18	7	6	0	88	3	0	1	3	7	14	7	11	46
Logansport	10	1	2	5	12	26	20	17	0	93	6	2	0	0	3	14	41	18	84
Madison	8	6	7	16	5	25	12	14	0	93	4	3	2	3	3	15	7	8	45
Michigan City	31	12	4	8	17	5	1	2	11	91	13	0	0	0	9	7	1	10	40
New Harmony	7	2	8	6	16	17	8	4	0	68	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	0	10	9	3	6	11	5	9	39	92	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	1	13	1	32	0	21	3	14	0	85	0	2	0	1	0	10	9	28	50
Augusta	3	14	10	12	11	19	9	5	10	93	4	4	2	4	7	16	17	9	63
Aurora	6	16	6	14	17	14	9	11	0	93	2	6	0	0	0	21	40	13	82
Batavia, [Capon]	6	25	7	4	5	30	13	3	0	93	---	---	---	---	---	---	---	---	---
Batavia, [Mead]	0	38	0	1	0	48	0	6	0	93	0	20	0	0	0	43	0	18	81
Brighton	5	8	3	20	17	31	1	8	0	93	1	12	11	18	6	13	1	0	62
Edgington	5	25	1	25	4	16	0	17	0	93	4	16	1	6	1	2	0	36	89
Elgin	1	27	2	18	11	3	10	13	8	93	1	0	0	1	0	2	0	2	6
Jacksonville	7	2	1	2	14	4	0	1	0	31	----	----	----	----	----	----	----	----	----
Manchester	19	12	3	8	34	5	10	2	0	93	18	5	1	7	23	2	8	10	74
Marengo	0	15	16	27	4	28	2	1	0	93	----	----	----	----	----	----	----	----	----
Ottawa	3	20	5	12	11	11	5	10	2	79	4	2	0	0	3	5	9	4	27
Pekin	15	13	4	15	21	6	3	8	7	92	6	8	6	4	11	7	15	10	67
Peoria	8	18	18	5	31	3	7	3	0	93	1	0	0	0	2	0	3	0	6
Riley	3	8	10	10	5	21	10	10	16	93	---	---	---	---	---	---	---	---	---
Upper Alton	9	8	0	8	15	18	23	10	2	93	9	9	0	8	15	28	12	12	93
Warsaw	2	15	2	49	2	13	3	7	0	93	2	1	0	3	3	12	8	9	38
Waynesville	22	2	15	0	6	0	23	3	22	93	8	1	3	0	5	3	24	0	44
West Salem	9	5	3	7	21	4	3	1	40	93	5	4	0	2	2	5	17	21	56
West Urbana	11	14	6	11	15	19	5	9	0	93	0	1	0	0	1	1	1	2	6
Wheaton	4	25	4	12	7	23	4	6	5	90	0	0	0	0	0	1	5	1	7
Winnebago	9	18	8	17	7	19	8	7	0	93	0	0	0	0	0	7	30	11	48
MISSOURI—																			
St. Louis	13	15	10	15	16	5	7	12	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	1	37	0	5	2	34	2	12	0	93	1	27	1	5	2	32	0	11	79
Bay City	0	51	0	0	8	29	3	2	0	93	0	4	0	0	0	25	4	0	33
Beloit	16	17	9	6	20	11	13	1	0	93	3	2	18	4	1	2	2	0	32
Green Bay	19	7	9	4	20	4	3	2	25	93	8	5	3	4	10	1	3	2	36
Kenosha	0	28	13	7	12	19	7	2	0	88	----	----	----	----	----	----	----	----	----
Madison	8	16	3	13	12	1	4	12	2	71	1	0	0	0	0	4	1	0	6
Manitowoc	17	7	4	14	18	11	10	12	0	93	2	0	1	0	2	0	26	10	41
Milwaukee, [Pomeroy]	1	27	6	21	1	10	5	15	3	92	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	4	25	14	16	4	9	10	11	0	93	---	---	---	---	---	---	---	---	---
New London	6	5	2	1	14	37	8	20	0	93	10	3	3	2	0	23	23	14	78
Platteville	11	6	23	25	8	9	3	8	0	93	13	3	5	9	1	23	4	21	79
Waukesha	11	5	4	0	16	6	5	2	41	93	2	1	0	0	2	3	5	0	13
IOWA—																			
Bellevue	10	3	7	10	13	18	9	22	0	92	----	----	----	----	----	----	----	----	----
Border Plains	7	6	14	26	10	7	1	13	9	93	0	0	3	2	1	6	10	8	30
Dubuque	7	5	1	13	8	23	1	8	26	92	5	5	1	6	2	19	14	16	68
Fairfield	0	4	0	23	5	21	0	9	31	93	0	2	1	0	0	0	0	0	3
Fort Madison	3	21	0	14	4	36	0	14	1	93	5	4	0	0	1	21	27	16	74

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Franklin	12	1	8	13	17	8	1	7	23	90	----	----	----	----	----	----	----	----	----
Iowa City	3	0	2	40	7	22	5	14	0	93	0	0	0	0	2	4	2	0	8
Muscatine	6	15	7	26	10	13	4	12	0	93	0	9	0	0	0	24	2	5	40
Pleasant Plain	1	19	7	26	16	10	0	6	6	91	0	0	0	0	1	12	27	2	42
Poultney	8	3	7	12	6	10	3	2	20	71	0	4	0	2	2	7	3	0	18
Sioux City	11	7	2	21	27	0	0	4	0	72	14	1	3	5	15	0	0	2	40
Minnesota—																			
Burlington	0	1	17	6	7	0	0	0	0	31	----	----	----	----	----	----	----	----	----
Forest City	0	0	5	4	11	8	2	0	63	93	----	----	----	----	----	----	----	----	----
Hazlewood	2	14	0	15	21	6	6	29	0	93	----	----	----	--	--	----	----	----	----
Lapham	7	1	26	8	5	12	7	0	0	66	6	3	9	2	5	7	26	2	60
Princeton	2	1	7	2	7	0	4	1	6	30	0	0	0	1	6	2	10	0	19
Wabashaw	12	8	13	4	8	0	9	6	33	93	11	9	2	4	1	0	3	4	34
Nebraska—																			
Bellevue	17	8	9	9	38	0	0	0	3	84	5	1	2	6	20	3	5	2	44
Brownville	1	10	2	23	5	38	0	11	3	93	1	6	2	17	2	27	0	14	69
Elkham	11	15	12	26	17	6	3	3	0	93	0	0	0	0	2	0	3	0	5
Omaha	8	0	10	19	24	5	3	4	20	93	7	0	9	14	17	9	16	0	72
Kansas—																			
Burlingame	10	2	4	19	35	0	3	8	12	93	----	----	----	----	----	----	----	----	----
Lawrence	23	2	1	5	54	0	0	0	6	91	----	--	----	----	----	--	----	----	----
Leavenworth City	8	5	4	21	35	11	0	6	3	93	6	1	2	4	3	19	13	7	55
Manhattan	4	6	7	15	25	13	0	1	22	93	1	2	5	3	5	2	1	0	19
Mapleton	0	9	23	4	17	23	16	1	0	93	0	0	1	0	0	1	1	0	3
Mexico—																			
Cordova	12	19	4	7	6	5	2	3	4	62	----	----	----	----	----	----	----	----	----
Minatitlan	2	40	3	1	1	5	1	1	8	62	----	----	----	----	----	----	----	----	----
California—																			
Marysville	0	0	0	3	0	90	0	0	0	93	----	----	----	--	----	--	----	----	----
Sacramento	3	2	1	17	35	21	9	5	15	93	0	0	0	2	0	5	1	0	8
San Francisco	0	0	0	0	1	10	67	0	0	93	0	0	0	1	3	16	38	0	58
West Indies—																			
Nassau, Bahamas	0	0	18	24	2	2	0	0	8	54	----	----	----	----	----	----	----	----	----
South America—																			
Caraccas, Venezuela	0	0	46	46	0	0	0	1	0	93	0	0	32	30	1	0	0	1	64
Catharina Sophia, Surinam	6	25	20	15	13	2	0	3	0	84	0	11	18	16	0	0	0	0	45

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	0	8	0	3	5	10	4	12	51	93	6	9	1	6	9	15	4	14	64
Red River Settlement	3	1	12	1	27	0	3	15	16	78	13	2	0	10	1	2	10	10	48
St. John's	3	13	0	14	6	8	22	27	0	93	----	----	----	----	----	----	----	----	----
St. Martin	0	17	2	29	1	31	4	9	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	6	6	9	25	16	1	12	7	11	93	----	----	----	----	----	----	----	----	----
Toronto	3	10	0	16	3	13	3	32	13	93	----	----	----	----	----	----	----	----	----
Windsor	7	5	9	6	6	7	10	8	12	70	0	0	0	0	0	0	1	1	2
Wolfville	0	21	9	11	4	15	10	1	22	93	0	13	2	4	8	20	6	5	58
MAINE—																			
Cornish, [Guptill]	10	8	2	24	12	16	5	16	0	93	----	----	----	----	----	----	----	----	----
Cornish, [West]	5	17	10	10	10	13	23	5	0	93	0	0	0	0	0	0	1	0	1
Dexter	0	8	3	13	3	3	3	9	0	42	----	----	----	----	----	----	----	----	----
Gardiner	1	21	2	21	1	17	3	17	10	93	0	15	0	7	2	11	6	9	50
Perry	4	16	2	28	3	23	5	10	0	91	4	11	0	5	6	8	4	11	49
Portland	2	9	20	22	14	7	8	11	0	93	3	1	0	4	2	8	9	7	34
Steuben	1	40	0	17	3	24	3	4	0	92	0	16	1	4	0	13	3	4	41
NEW HAMPSHIRE—																			
Concord	0	21	0	18	0	10	6	17	6	78	0	0	0	1	0	2	0	0	3
Shelburne	0	0	26	0	0	0	37	0	21	84	0	2	7	10	3	2	34	4	62
Stratford	5	17	15	7	6	12	22	9	0	93	4	7	5	9	5	8	32	7	77
West Enfield	1	1	0	17	21	20	4	29	0	93	0	0	0	18	6	7	5	32	68
VERMONT—																			
Brandon	13	0	2	19	28	5	5	13	7	92	6	0	0	1	2	12	6	31	58
Burlington	4	0	0	12	9	26	4	37	0	92	----	----	----	----	----	----	----	----	----
Craftsbury	1	15	4	6	28	14	9	11	5	93	2	6	2	1	11	8	11	17	58
Rupert	----	----	----	----	----	----	----	----	----	----	5	5	0	4	6	40	2	0	62
St. Johnsbury	5	7	1	12	13	6	16	27	6	93	6	3	0	0	5	7	6	4	31
MASSACHUSETTS—																			
Amherst	6	6	5	5	7	7	0	1	0	37	1	2	1	0	3	2	0	0	9
Cambridge	2	18	14	6	3	19	11	5	15	93	----	----	----	----	----	----	----	----	----
Florida	8	2	0	27	3	10	38	5	0	93	6	1	0	27	4	9	32	3	82
Lawrence	0	20	11	20	1	21	3	17	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	28	0	5	4	32	2	22	0	93	0	26	0	6	3	29	3	14	81
Nantucket	5	27	3	10	1	30	5	10	2	93	----	----	----	----	----	----	----	----	----
New Bedford	4	22	2	11	8	27	3	16	0	93	2	6	2	1	1	5	4	5	26
Newburyport	8	5	14	8	6	4	8	5	3	61	----	----	----	----	----	----	----	----	----
Westfield	5	14	9	9	5	13	6	30	0	91	0	0	0	0	0	1	0	0	1
Williamstown	6	5	19	6	10	1	21	19	6	93	----	----	----	----	----	----	----	----	----
Worcester	3	24	9	15	4	10	4	14	0	83	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	3	29	1	2	4	23	1	13	4	80	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	29	1	1	0	8	5	30	16	93	1	24	1	1	0	4	2	19	52
Pomfret	7	24	5	7	5	23	1	21	0	93	5	16	4	6	1	13	6	12	63
Saybrook	9	6	10	13	8	18	3	15	4	86	6	6	1	5	2	7	8	7	42
Wallingford	8	13	3	15	19	8	2	25	0	93	2	9	4	0	2	6	19	7	49
NEW YORK—																			
Baldwinsville	12	1	3	6	6	11	34	20	0	93	5	0	3	1	4	6	25	7	51
Beverly	17	9	0	13	7	19	0	14	0	79	3	6	4	8	4	17	4	13	59
Cazenovia	2	1	5	14	2	18	10	32	6	90	7	5	1	5	2	13	11	24	68
Covert	3	3	0	34	5	6	12	30	1	94	0	0	0	13	8	11	14	21	67
Eden	5	3	1	14	28	9	25	8	0	93	0	2	0	0	0	1	13	5	21
Morrisania	12	10	14	11	12	10	15	9	0	93	----	----	----	----	----	----	----	----	----
Nichols	1	1	8	37	10	1	4	31	0	93	0	1	2	17	3	11	7	28	69
Ogdensburg	6	0	0	0	11	6	3	8	0	34	----	----	----	----	----	----	----	----	----
Rochester	11	8	15	12	11	7	25	2	0	91	8	3	8	6	10	2	15	4	56
Sag Harbor	5	7	10	8	8	19	12	8	0	77	2	1	0	0	2	5	8	4	22
Saratoga	0	35	0	10	1	43	0	4	0	93	0	32	0	8	1	48	0	4	93
Wampsville	0	2	9	7	17	2	56	0	0	93	0	2	8	6	11	3	42	0	75
NEW JERSEY—																			
Bloomfield	1	20	0	16	4	20	2	30	0	93	----	----	----	--	---	----	----	----	----
Lambertville	8	13	6	10	6	9	6	21	0	79	----	----	----	----	----	----	----	----	----

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Newark	3	17	3	12	0	14	1	12	0	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	1	2	1	6	1	19	4	44	0	78	0	18	4	31	0	0	2	7	62
Berwick	2	1	41	6	5	5	26	4	0	90	----	----	----	----	----	----	----	----	----
Cannonsburg	0	8	16	2	0	7	40	20	0	93	----	----	----	----	----	----	----	----	----
Carlisle	0	2	2	8	0	10	9	6	6	43	0	1	1	3	1	9	5	5	25
Chambersburg	5	3	35	8	4	6	13	3	16	93	11	3	6	0	9	10	24	11	74
Easton	17	12	3	22	5	1	9	21	3	93	----	----	----	----	----	----	----	----	----
Fleming	0	2	13	17	1	14	11	34	1	93	3	3	3	9	4	3	12	24	61
Gettysburg	11	6	3	3	19	25	10	10	6	93	9	5	0	3	5	15	21	18	76
Harrisburg, [Heisely]	0	0	11	18	11	0	37	14	0	91	0	0	2	11	5	0	21	11	50
Harrisburg, [Hickok]	19	7	16	3	8	11	24	4	0	92	0	3	1	0	1	1	5	0	11
Indiana	18	12	14	6	3	16	8	16	0	93	----	----	----	----	----	----	----	----	----
Lewisburg	9	14	1	15	10	17	1	6	18	91	4	2	0	1	5	3	7	5	27
Meadville	9	4	0	6	6	8	8	5	36	82	3	1	0	3	2	12	15	8	44
Morrisville	7	13	5	9	13	17	2	12	12	90	4	3	2	10	3	13	16	10	61
Mount Joy	1	1	0	20	11	0	0	8	42	83	----	----	----	----	----	----	----	----	----
Murrysville	2	5	17	4	1	41	0	12	11	93	1	1	3	1	0	25	9	22	62
Norristown	1	2	6	16	3	17	28	5	0	78	0	3	11	3	1	6	34	4	62
North Whitehall	1	5	9	0	6	4	10	8	50	93	1	7	6	0	1	3	13	6	37
Philadelphia	3	20	6	13	3	22	7	19	0	93	2	5	1	1	2	7	8	10	36
Pittsburg, (M. H)	3	1	8	1	11	13	24	4	28	93	1	0	2	0	3	16	12	0	34
Pocopson	6	8	10	2	7	26	18	9	7	93	10	6	2	2	5	9	24	1	59
Shamokin	0	0	9	0	13	5	66	0	0	93	1	0	0	0	1	0	75	0	77
Somerset	6	3	3	5	3	8	27	7	31	93	10	1	6	1	2	14	41	12	87
Tarentum	5	6	4	2	8	12	11	15	30	93	2	1	0	4	2	9	26	14	58
Westtown	3	7	1	16	9	21	5	31	0	93	3	4	1	6	2	4	6	29	55
MARYLAND—																			
Annapolis	4	18	3	19	16	14	1	7	11	93	6	6	0	0	0	35	2	1	50
Baltimore	24	2	7	13	19	3	9	11	4	92	0	0	0	0	1	1	0	0	2
Bladensburg	1	14	1	3	3	11	1	7	0	41	----	----	----	----	----	----	----	----	----
Frederick	1	18	0	2	1	8	19	15	25	89	2	0	0	6	2	3	31	6	50
Leitersburg	11	3	5	5	23	17	15	7	7	93	10	2	7	3	5	7	32	18	84
Sykesville	5	20	9	12	25	7	11	4	0	93	4	7	3	7	0	4	53	3	81
DISTRICT OF COLUMBIA—																			
Washington	10	5	8	6	25	5	5	5	21	90	1	0	0	0	0	0	9	0	10
VIRGINIA—																			
Buffalo	10	0	30	0	14	0	39	0	0	93	22	0	19	0	9	0	16	0	66
Crichton's Store	34	5	1	9	10	18	7	7	1	92	1	0	0	0	0	16	17	3	37
Kanawha	18	0	0	0	35	1	5	2	13	74	1	1	1	1	0	5	33	8	50
Lewinsville	2	6	1	1	0	2	60	21	0	93	----	----	----	----	----	----	----	----	----
Montross	7	8	13	0	3	8	4	2	48	93	6	8	5	1	0	7	5	2	34
Poplar Grove	0	0	25	0	0	1	33	6	28	93	8	1	1	1	1	8	25	19	64
Portsmouth	10	20	6	6	11	15	15	4	6	93	----	----	----	----	----	----	----	----	----
Rose Hill	7	6	5	12	7	13	0	7	11	68	0	0	0	0	0	0	5	2	7
Rougemont	14	10	9	2	16	7	15	6	10	89	11	4	1	1	3	2	25	9	56
Smithfield	7	23	2	13	17	11	3	16	0	92	11	7	2	3	2	8	21	19	73
Wirt Court House	4	4	0	6	0	32	0	17	30	93	0	6	0	0	0	27	0	42	75
NORTH CAROLINA—																			
Chapel Hill	33	9	9	2	7	6	19	8	0	93	16	3	0	0	1	28	15	5	68
Davidson College	4	13	0	0	0	24	5	3	18	67	5	11	0	0	0	29	4	3	52
Marlborough	----	----	----	----	----	----	----	----	----	----	3	5	1	0	2	9	2	6	28
Murfreesborough	0	29	0	5	6	26	1	4	15	86	1	11	0	2	0	16	3	1	34
SOUTH CAROLINA—																			
All Saints	7	21	5	14	10	10	23	3	0	93	8	9	2	0	6	19	34	8	86
Charleston, [Dawson]	0	13	1	11	3	32	0	2	0	62	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	2	4	2	6	2	16	1	2	0	35	----	----	----	----	----	----	----	----	----
Columbia	4	6	2	0	11	7	15	15	0	60	4	5	0	1	9	3	7	9	38
St. John's	0	19	1	23	1	17	1	19	0	81	5	7	1	0	0	1	12	2	28
GEORGIA—																			
Athens	3	10	10	18	8	0	8	15	20	92	----	----	----	----	----	----	----	----	----
Savannah	8	17	1	14	13	28	4	8	0	93	0	0	0	0	2	0	3	0	5

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—Continued.																			
Sparta	2	18	6	14	8	23	9	11	0	91	3	11	3	9	0	11	12	8	57
Whitemarsh Island	7	14	1	10	18	1	22	4	16	93	2	9	4	1	1	4	13	2	36
FLORIDA—																			
Alachua County	0	27	0	20	0	30	1	14	0	92									
Alligator	2	5	14	18	11	12	0	1	30	93	3	3	7	1	4	6	0	1	25
Atsena	6	18	12	5	8	20	14	6	4	93	2	20	15	6	9	14	6	5	77
Belair	3	15	5	9	5	1	7	6	7	58	1	4	7	14	3	7	7	6	49
Jacksonville	5	12	9	3	6	32	17	8	1	93	0	6	7	1	3	5	7	1	30
Micanopy	0	3	21	5	1	4	7	1	28	70	0	1	1	0	1	1	1	1	6
St Augustine	4	50	17	14	0	4	0	4	0	93	3	48	10	11	0	0	0	5	77
Salt Ponds	3	7	13	20	8	5	2	2	2	62									
ALABAMA—																			
Carlowville	3	5	11	10	10	16	28	10	0	93	0	0	5	1	2	6	2	2	18
Greene Springs	6	2	17	7	7	5	12	8	4	68	4	2	3	2	1	1	2	1	16
Greensborough	1	0	0	6	5	2	7	5	0	26	0	0	0	0	0	1	13	0	14
Selma	3	21	31	17	0	3	11	7	0	93	2	14	9	14	0	0	6	38	83
MISSISSIPPI—																			
Columbus	29	12	14	4	3	6	14	11	0	93	9	2	5	3	3	4	10	9	45
Natchez	17	27	4	9	4	20	2	10	0	93	4	9	17	3	0	3	0	0	36
Paulding	0	35	6	7	1	15	3	12	0	79	0	23	5	7	1	14	3	11	64
LOUISIANA—																			
Black River	33	18	2	7	24	2	1	6	0	93	8	11	2	8	5	3	2	10	49
New Orleans	0	0	0	34	0	59	0	0	0	93									
TEXAS—																			
Austin, [Palm]	4	1	11	16	35	21	5	0	0	93	0	1	0	0	0	0	0	0	1
Austin, [Van Nostrand]	17	2	15	0	42	1	9	0	7	93	2	0	2	0	16	0	1	0	21
Goliad	13	9	11	26	6	0	8	2	0	75	20	9	14	4	10	0	4	0	61
Larissa	5	17	19	18	7	18	5	2	1	92	1	5	0	1	8	2	1	0	18
New Braunfels	27	1	11	16	9	3	17	9	0	93									
Union Hill	14	0	7	8	52	6	2	2	2	93	8	0	1	1	38	5	0	1	54
TENNESSEE—																			
Glenwood	8	7	6	14	12	13	4	7	22	93	1	10	12	7	2	10	32	11	85
Memphis	19	11	10	5	10	9	8	14	7	93									
KENTUCKY—																			
Bardstown	12	13	2	1	8	26	16	14	0	92	12	7	1	0	5	15	20	13	73
Danville	13	2	9	1	2	36	9	21	0	93	3	2	1	1	0	15	16	24	62
Louisville	4	33	1	14	6	19	5	11	0	93	0	6	0	0	0	16	16	11	49
Paris	9	13	1	9	2	30	7	22	0	93	0	2	2	0	2	1	53	0	60
Springdale	5	10	3	0	6	19	9	4	37	93									
OHIO—																			
Bellefontaine	1	12	3	3	3	34	7	18	0	81	0	8	0	10	0	35	3	18	74
Bowling Green	1	8	5	0	0	10	0	3	58	85	2	2	1	1	0	9	14	17	46
Cincinnati, [Harper]	3	11	4	7	2	8	14	24	0	73									
Cleveland	13	7	0	11	21	10	10	13	6	91	3	1	0	2	0	6	22	6	40
Dayton	7	24	2	3	0	33	0	17	0	86	2	11	0	2	0	35	0	16	66
Edinburg	0	32	10	27	1	6	2	9	6	93	0	4	0	0	0	15	33	17	69
Hillsborough	1	19	0	8	0	42	0	20	1	91	0	0	0	0	0	8	0	7	15
Hiram	12	11	2	11	7	9	9	24	5	90	2	3	1	0	0	0	17	12	35
Hudson	7	9	4	12	5	20	24	12	0	93	0	0	0	0	0	1	0	1	2
Jackson, [Monroe county]	13	5	3	5	10	0	0	0	34	70									
Jefferson	4	11	0	15	1	40	0	22	0	93	0	35	0	21	0	10	0	14	80
Lancaster	4	11	3	4	1	32	9	29	0	93	1	10	6	8	1	12	17	14	69
Madison, [Atkins]	9	6	1	3	15	6	16	3	31	90	1	0	0	0	0	0	19	2	22
Madison, [King]	4	13	7	3	3	20	13	12	18	93	5	6	0	0	0	14	20	28	73
Medina	5	11	2	13	3	14	22	15	0	85	0	11	33	42	0	4	0	3	93
New Lisbon	4	5	3	6	7	19	12	37	0	93	1	3	0	0	3	20	12	25	64
Ripley	0	4	0	13	0	0	0	21	24	62	0	3	0	2	0	0	0	7	12
Savannah	3	7	0	16	0	21	23	23	0	93	1	4	0	8	0	23	21	16	73
Urbana	1	6	4	9	0	9	5	18	41	93	5	3	2	0	0	8	30	12	60
Welchfield	4	3	1	25	3	29	4	24	0	93	0	0	0	0	0	1	0	2	3
Westerville	12	5	6	4	1	22	23	19	0	92	3	0	8	2	3	15	18	19	68

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—																			
Battle Creek	6	0	5	4	8	15	9	15	31	93	3	1	1	0	0	5	39	10	59
Cooper	0	0	3	0	0	0	4	0	86	93	0	0	0	0	0	0	3	5	8
Detroit	0	0	10	19	8	45	6	4	1	93	0	0	2	31	6	45	4	5	93
Grand Rapids, [Streng]	9	4	3	6	3	25	21	22	0	93	9	2	6	3	6	4	35	20	85
Marquette	1	6	6	10	0	15	17	38	0	93									
Monroe	3	17	0	17	0	2	0	54	0	93	2	16	0	14	0	3	0	31	66
New Buffalo											3	0	3	0	1	11	29	23	70
Port Huron	16	1	0	9	4	27	2	24	5	88	7	0	0	0	1	22	9	15	54
Thunder Bay Island	10	6	3	20	8	14	6	41	0	108	3	7	13	27	13	0	2	0	65
INDIANA—																			
Cannelton	9	6	14	11	10	7	6	29	0	92	4	4	2	1	5	4	4	11	35
Evansville	12	11	15	4	22	13	7	6	3	93	1	2	3	0	13	10	16	3	48
Logansport	14	9	4	6	3	15	22	20	0	93	10	10	1	4	1	9	23	29	87
Madison	6	6	5	10	12	22	16	16	0	93	2	1	3	5	7	13	12	4	47
Michigan City	32	7	3	10	15	5	2	4	15	93	16	1	0	0	5	7	5	8	42
New Harmony	8	2	5	2	17	11	7	16	0	68									
Richmond, [Austin]	6	16	1	0	7	13	4	11	2	60	7	3	1	0	2	11	11	12	47
Richmond, [Moore]	0	5	2	0	5	10	2	2	15	41									
ILLINOIS—																			
Athens	4	28	0	19	5	15	3	12	0	86	0	0	0	0	0	0	27	27	54
Augusta	6	13	13	5	10	12	10	10	14	93	2	5	2	3	1	4	21	8	46
Aurora	10	6	4	13	9	22	14	15	0	93	4	3	0	1	0	10	25	27	70
Batavia, [Capon]	15	18	8	11	11	16	9	5	0	93									
Batavia, [Mead]	0	28	0	3	0	45	0	17	0	93	0	17	0	2	0	35	0	24	78
Brighton	2	32	6	5	15	17	2	11	0	90	0	13	3	6	2	16	6	10	56
Edgington	6	17	2	2	3	29	3	30	1	93	6	13	0	1	1	34	3	27	85
Elgin	3	7	1	14	9	8	12	26	13	93	0	0	0	0	0	0	0	2	2
Jacksonville	11	0	1	0	10	2	4	2	0	30									
Manchester	22	6	6	6	32	9	8	4	0	93	14	4	3	4	25	5	9	4	68
Marengo	0	4	6	24	8	39	10	2	0	93									
Ottawa	10	13	3	6	6	18	6	20	7	89	7	0	0	0	7	7	2	3	26
Pekin	18	6	14	3	19	9	3	11	9	92	11	2	2	1	2	2	14	16	50
Peoria	6	2	20	4	38	10	9	4	0	93	0	0	0	2	0	2	0	2	6
Riley	6	0	6	5	4	19	18	21	14	93									
Upper Alton	18	0	1	0	1	16	13	15	0	64	7	0	1	0	3	17	7	10	45
Waynesville	21	1	7	0	6	2	24	1	31	93	9	0	1	0	2	2	28	1	43
West Salem	6	13	2	9	16	7	1	9	30	93	4	0	4	0	3	8	43	9	71
West Urbana	2	33	6	7	11	16	8	10	0	93	0	0	0	1	0	1	0	0	2
Wheaton	12	12	3	11	8	14	8	16	9	93	4	4	0	2	1	2	0	11	24
Winnebago	10	4	4	11	2	31	9	22	0	93	0	0	0	0	0	3	39	9	51
MISSOURI—																			
St. Louis	11	17	7	13	17	7	6	15	0	93									
WISCONSIN—																			
Appleton	6	28	1	3	2	42	0	11	0	93	4	23	1	3	1	35	0	7	74
Bay City	0	28	1	1	15	38	5	5	0	93	0	6	1	0	0	25	0	0	32
Beloit	15	4	5	12	19	13	13	12	0	93	2	8	6	1	1	0	1	0	19
Green Bay	23	0	3	0	5	6	14	5	37	93	11	0	3	0	7	1	9	1	32
Janesville	4	7	6	12	14	21	6	11	12	93									
Kenosha	5	9	9	14	26	16	2	7	4	92									
Manitowoc	12	3	2	10	17	14	18	17	0	93	1	1	1	1	0	5	15	8	32
Milwaukee, [Pomeroy]	4	19	4	23	2	16	0	25	0	93									
Milwaukee, [Winkler]	12	6	13	21	5	9	9	18	0	93									
New London	17	0	1	2	15	16	27	14	1	93	9	3	0	1	5	6	28	14	66
Platteville	15	1	6	11	11	19	2	28	0	93	9	6	8	13	4	7	3	12	62
Waukesha	8	2	2	2	10	5	5	5	54	93	0	0	0	0	1	2	7	2	12
IOWA—																			
Bellevue	2	1	7	15	14	13	13	28	0	93									
Border Plains	8	0	6	17	18	9	5	21	6	93	1	0	0	0	6	5	11	14	37
Dubuque	10	6	3	7	12	20	2	10	22	92	6	5	3	3	3	10	5	15	50
Fairfield	0	9	0	4	5	29	1	16	29	93	0	8	2	0	0	0	0	0	10
Fort Madison	3	14	1	12	5	27	4	1	6	93	6	0	1	1	2	11	25	13	59
Franklin	24	0	1	5	19	12	2	2	28	93									

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Iowa City	18	2	1	32	7	13	2	17	0	92	0	0	1	2	2	4	1	2	12
Muscatine	12	22	10	1	4	28	0	16	0	93	0	2	0	1	1	8	6	7	25
Pleasant Plain	6	7	4	13	23	13	5	13	3	87	1	1	0	0	2	9	19	13	45
Poultney	7	0	1	5	3	6	8	4	16	50	3	0	1	0	1	3	5	3	16
Rossville	10	1	6	10	10	14	8	20	14	93	----	----	----	----	----	----	----	----	----
Sioux City	11	5	8	27	21	2	3	11	1	89	9	0	1	0	13	1	2	9	35
Minnesota—																			
Burlington	0	3	7	5	9	1	5	0	0	30	----	----	----	----	----	----	----	----	----
Forest City	5	2	0	1	10	22	0	4	49	93	----	----	----	----	----	----	----	----	----
Hazlewood	10	1	1	3	32	8	11	26	0	92	1	1	0	1	7	6	5	3	24
Princeton	14	5	6	6	16	17	8	9	12	93	7	1	1	0	13	6	12	7	47
Wabashaw	7	11	17	11	2	0	4	3	26	81	10	18	11	3	0	0	1	1	44
Nebraska—																			
Bellevue	28	1	4	7	33	2	1	2	15	93	13	1	0	3	5	3	3	2	30
Brownville	1	20	0	12	6	41	2	11	0	93	1	13	0	7	1	20	1	4	47
Elkham	12	10	6	24	22	7	2	8	2	93	0	0	0	0	0	0	1	0	1
Omaha	6	8	2	7	23	10	4	9	24	93	6	2	0	3	10	8	5	3	37
Kansas—																			
Burlingame	16	4	6	12	17	12	0	4	22	93	----	----	----	----	----	----	----	----	----
Lawrence	22	2	1	7	50	2	2	3	4	93	----	----	----	----	----	----	----	----	----
Leavenw'h C'y, [Berthoud]	0	3	0	0	1	51	13	13	12	93	0	4	0	0	0	34	3	13	54
Leavenw'h C'y, [McCarty]	14	4	3	14	23	12	1	6	15	92	6	0	0	2	3	10	12	4	37
Manhattan	15	6	7	18	19	2	1	0	25	93	3	2	2	7	10	2	0	0	26
Mapleton	6	4	19	2	29	1	2	2	16	81	0	0	3	0	0	2	36	1	42
Oregon—																			
Fort Snyder	0	4	2	1	0	5	2	1	0	15	3	6	2	1	0	0	0	1	13
Mexico—																			
Cordova	10	17	8	7	5	6	2	3	4	62	----	----	----	----	----	----	----	----	----
Minatitlan	2	32	2	1	7	7	0	2	7	60	----	----	----	----	----	----	----	----	----
California—																			
Marysville	0	4	2	1	0	6	3	2	16	34	----	----	----	----	----	----	----	----	----
Sacramento	3	4	5	18	29	19	11	4	0	93	0	0	3	12	0	2	0	0	17
San Francisco	0	0	0	1	0	7	57	0	28	93	2	0	0	2	8	10	42	0	64
West Indies—																			
Nassau, Bahamas	0	2	12	26	2	8	0	0	2	52	----	----	----	----	----	----	----	----	----
South America—																			
Caraccas, Venezuela	0	0	46	45	0	0	2	0	0	93	1	0	8	16	7	0	1	1	34
Catharina Sophia, Surinam	2	15	14	20	3	0	0	0	0	54	0	7	13	12	0	0	0	0	32

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	2	6	0	2	6	18	15	11	30	90	1	7	0	2	6	29	15	18	78
Red River Settlement	8	0	0	0	8	4	12	4	1	37	3	3	7	5	4	2	0	1	25
St John's	2	36	0	7	6	11	12	16	0	90	----	----	----	----	----	----	----	----	----
St. Martin's	0	8	0	12	4	46	8	8	0	86	----	----	----	----	----	----	----	----	----
Stanbridge	6	4	6	34	16	5	8	3	5	87	----	----	----	----	----	----	----	----	----
Toronto	3	7	3	20	5	23	2	21	6	99	----	----	----	----	----	----	----	----	----
Windsor	11	4	0	1	9	22	7	8	24	86	0	1	0	0	0	2	0	0	3
Wolfville	1	1	10	5	6	8	15	14	23	83	1	0	2	3	4	12	9	15	46
MAINE—																			
Cornish, [Guptill]	5	0	1	4	14	11	21	34	0	90	----	----	----	----	----	----	----	----	----
Cornish, [West]	5	3	8	2	7	33	22	10	0	90	4	0	0	0	0	3	3	0	10
Dexter	14	8	3	10	10	8	11	24	1	89	----	----	----	----	----	----	----	----	----
Gardiner	2	9	3	20	2	13	5	24	12	90	2	3	0	7	3	10	1	13	39
Perry	1	6	1	10	7	28	4	28	0	85	0	0	0	4	3	16	6	11	40
Portland	12	8	6	3	16	12	14	15	1	87	2	1	1	0	1	8	11	3	27
Steuben	2	15	3	4	0	45	1	12	8	90	1	7	0	0	0	17	7	4	36
NEW HAMPSHIRE—																			
Concord	1	14	0	10	0	22	1	28	10	86	0	0	0	0	0	0	1	1	2
Shelburne	0	0	19	0	0	1	43	0	25	88	1	0	2	2	3	12	27	16	63
Stratford	0	19	18	5	11	11	26	0	0	90	0	0	2	0	5	10	54	0	71
West Enfield	0	0	0	9	18	32	2	29	0	90	0	0	0	10	3	14	1	26	54
VERMONT—																			
Brandon	10	0	5	13	35	5	3	11	5	87	3	0	0	1	1	5	7	24	41
Burlington	6	5	0	3	1	47	2	24	0	88	----	----	----	----	----	----	----	----	----
Craftsbury	3	3	2	6	30	18	11	12	2	90	3	0	0	2	1	16	18	16	56
Rupert	----	----	----	----	----	----	----	----	----	----	1	0	4	0	2	34	0	0	41
St. Johnsbury	8	1	0	10	13	11	31	14	1	89	3	0	0	0	3	2	11	4	23
MASSACHUSETTS—																			
Amherst	13	4	4	13	14	5	7	18	0	78	1	0	1	1	1	0	1	5	10
Bridgewater	9	9	10	1	1	32	15	13	0	90	2	11	6	6	3	2	5	0	35
Cambridge	2	3	3	7	1	39	9	8	18	90	----	----	----	----	----	----	----	----	----
Florida	0	6	0	4	0	14	45	21	0	90	0	6	0	3	0	10	31	15	65
Lawrence	2	7	3	4	4	23	0	47	0	90	----	----	----	----	----	----	----		----
Mendon	0	13	1	6	0	40	1	29	0	90	0	6	2	4	1	30	1	17	61
Nantucket	5	14	6	2	5	33	2	13	10	90	----	----	----	----	----	----	----	----	----
New Bedford	12	9	1	5	2	39	6	15	1	90	2	5	1	1	0	6	8	2	25
Newburyport	10	3	6	7	15	5	17	1	0	64	----	----	----	----	----	----	----	----	----
Westfield	3	5	1	17	2	7	19	36	0	90	----	----	----	----	----	----	----	----	----
Williamstown	1	1	7	6	5	15	23	6	23	87	----	----	----	----	----	----	----	----	----
Worcester	16	13	5	3	5	11	12	20	0	85	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	3	14	1	3	0	34	5	29	1	90	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	1	2	1	1	0	29	3	35	18	90	0	2	1	1	0	13	2	17	36
Middletown	7	1	3	6	6	22	6	11	28	90	1	1	1	0	0	19	8	5	35
Pomfret	6	11	2	3	3	32	3	30	0	90	1	2	1	3	3	14	1	10	35
Saybrook	12	2	1	7	8	25	7	20	6	88	2	0	1	0	0	7	11	9	30
Wallingford	10	8	1	9	30	4	2	26	0	90	3	0	0	1	1	10	13	4	32
NEW YORK—																			
Baldwinsville	0	1	8	5	6	17	41	7	0	85	0	1	2	0	0	5	30	7	45
Beverly	11	5	0	10	11	23	0	18	0	78	1	2	3	3	5	13	4	4	35
Cazenovia	6	1	2	4	6	28	11	30	1	89	0	0	0	1	3	15	17	23	59
Covert	3	4	0	27	7	14	14	21	0	90	1	0	0	4	2	14	9	22	52
Ellen	3	11	13	2	22	23	10	2	0	86	3	3	0	0	0	5	15	3	29
Morrisania	0	11	4	13	17	10	19	16	0	90	----	----	----	----	----	----	----	----	----
Nichols	3	1	6	42	6	8	7	16	1	90	1	1	1	7	2	6	7	20	45
Oglensburg	2	0	1	1	6	9	9	2	0	30	----	----	----	----	----	----	----	----	----
Rochester	8	5	1	1	6	22	16	5	0	61	10	1	0	1	5	11	23	6	57
Sag Harbor	11	7	5	7	19	16	13	10	0	88	0	1	0	0	2	7	5	4	19
Saratoga	0	22	0	4	3	50	1	10	0	90	0	22	1	4	3	49	1	10	90
Wampsville	0	0	8	5	27	7	42	1	0	90	0	0	3	4	21	5	30	1	64

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Bloomfield	4	1	3	6	3	28	1	35	0	81									
Lambertville	5	7	3	3	13	21	4	24	0	80									
Newark	5	9	3	7	1	20	5	10	0	60									
PENNSYLVANIA—																			
Bedford	0	0	0	23	1	13	4	37	0	78	2	4	3	19	0	1	0	11	40
Berwick	3	3	34	1	8	6	32	2	1	90									
Cannonsburg	2	1	20	0	0	11	38	15	3	90									
Carlisle	0	1	2	8	4	13	13	11	35	87	0	2	0	2	2	8	4	9	27
Chambersburg	13	3	28	4	4	0	4	0	34	90	2	3	4	0	6	9	23	2	49
Chromedale	0	7	3	13	0	15	10	12	13	73									
Easton	15	8	5	18	6	6	4	20	4	86									
Fleming	3	8	8	12	0	19	15	24	1	90	0	0	0	2	0	6	10	17	35
Gettysburg	6	6	2	0	19	23	8	18	8	90	1	2	1	3	1	15	16	13	52
Harrisburg, [Heisely]	4	0	2	3	25	11	27	16	0	88	2	0	0	1	9	2	7	6	27
Harrisburg, [Hickok]	18	6	11	7	11	5	23	7	0	88	0	1	0	0	0	0	5	0	6
Lewisburg	10	1	5	9	4	17	7	7	29	89	2	0	1	2	0	6	1	6	18
Meadville	2	2	0	0	21	6	7	8	44	90	0	1	1	0	1	12	10	16	41
Morrisville	9	9	1	5	13	23	13	3	14	90	2	2	1	4	2	15	14	1	41
Mount Joy	4	1	0	26	3	1	1	10	44	90									
Murrysville	0	7	10	5	3	30	5	5	18	83	0	1	0	1	1	18	6	8	35
Norristown	0	2	3	14	7	8	40	4	0	78	0	0	4	4	0	8	25	0	41
North Whitehall	1	3	4	2	9	6	5	12	48	90	0	0	3	1	5	2	7	7	25
Philadelphia	1	16	3	2	5	33	8	22	0	90	0	0	0	1	1	9	3	4	18
Pittsburg, [M. H.]	2	0	10	2	13	5	15	3	40	90	0	0	0	1	3	8	11	2	25
Pocopson	15	7	7	2	8	18	17	2	0	76	6	1	2	3	3	9	11	2	37
Shamokin	0	0	16	0	4	1	69	0	0	90	0	0	0	3	0	0	43	1	47
Somerset	0	1	5	4	6	16	10	12	36	90	1	0	0	6	4	20	18	12	61
Tarentum	8	3	0	2	1	16	8	9	42	89	3	0	0	0	1	12	14	11	41
Westtown	8	0	4	9	10	24	7	28	0	90	0	1	0	4	3	3	4	21	36
MARYLAND—																			
Annapolis	12	15	6	11	24	6	3	3	10	90	3	1	0	0	0	22	0	1	27
Baltimore	25	3	4	5	19	5	12	9	7	89									
Bladensburg	4	8	3	3	1	12	2	7	0	40									
Chestertown	0	5	10	4	9	17	8	4	6	63	5	11	4	0	3	0	1	0	24
Frederick	10	11	0	5	1	5	18	9	29	88	1	0	1	0	2	1	19	6	30
Leitersburg	4	3	2	4	22	17	11	8	19	90	6	2	5	1	2	12	18	16	62
Sykesville	13	13	5	8	16	9	17	9	0	90	1	0	4	3	0	6	40	5	59
DISTRICT OF COLUMBIA—																			
Washington	9	3	10	5	19	4	3	7	24	84	0	0	0	0	0	0	2	0	2
VIRGINIA—																			
Crichton's Store	42	3	1	3	15	17	5	1	3	90	0	0	0	0	0	15	6	0	21
Holliday's Cove											0	0	0	0	10	11	21	5	47
Lewinsville	7	11	9	29	15	7	10	11	0	90									
Lewisburg	0	16	3	2	3	10	6	1	0	35									
Montross	4	7	7	2	11	7	6	5	41	90	0	0	1	0	4	7	8	0	20
Poplar Grove	0	1	17	0	0	0	28	6	38	90	0	3	0	0	4	13	18	12	50
Portsmouth	14	25	12	6	3	12	9	6	0	87									
Rougemont	11	8	5	0	30	4	23	6	1	88	3	7	0	0	1	2	21	2	36
Smithfield	18	17	5	1	15	9	8	17	0	99	7	8	3	1	1	6	8	12	46
Stribling Springs	1	13	1	11	4	28	0	16	5	79	1	6	0	2	0	17	1	1	28
Wirt Court-House	0	5	0	2	2	23	1	16	37	86	0	4	0	4	0	24	0	17	49
NORTH CAROLINA—																			
Chapel Hill	21	15	3	2	7	16	22	4	0	99	2	9	0	0	1	23	3	0	43
Davidson College	0	25	0	0	0	12	6	0	4	47	0	7	0	1	1	14	0	1	24
Murfreesborough	2	34	0	3	7	15	1	5	16	83	0	0	0	0	0	1	1	0	2
SOUTH CAROLINA—																			
All Saints	30	28	4	6	9	4	5	4	0	90	11	13	0	1	3	15	21	7	71
Charleston, [Dawson]	0	30	4	14	0	9	1	2	0	60									
Charleston, [Johnson]	5	10	2	4	1	4	0	4	0	30									
Columbia	14	2	11	4	13	6	7	3	0	60	12	1	9	3	9	4	2	2	42
St. John's	2	23	2	18	4	8	2	26	0	85	1	4	3	2	1	3	13	2	29

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
GEORGIA—																			
Athens	1	10	17	17	8	1	2	12	17	85	0	0	1	0	0	0	1	0	2
Augusta	11	38	10	8	0	4	4	15	0	90	0	22	2	8	1	21	1	6	61
Savannah	8	30	7	15	7	15	3	5	0	90	---	---	---	---	---	---	---	---	---
Sparta	6	34	9	14	3	11	4	8	0	89	0	6	7	8	3	6	11	5	46
Whitemarsh Island	7	27	5	10	5	4	6	6	20	90	2	12	0	7	5	7	7	5	45
FLORIDA—																			
Alachua County	4	34	2	12	2	11	1	24	0	90	---	---	---	---	---	---	---	---	---
Alligator	2	33	8	13	2	7	1	3	21	90	2	10	3	10	2	4	1	3	35
Atsena	12	29	8	13	0	13	10	3	2	90	5	25	6	10	0	7	5	2	60
Jacksonville	14	16	10	12	5	16	2	14	1	90	1	9	5	4	4	12	3	3	41
Micanopy	12	16	19	5	1	0	4	2	27	86	1	0	0	0	0	0	0	0	1
St. Augustine	1	48	25	10	0	1	0	5	0	90	0	49	25	6	0	2	0	4	86
Salt Ponds	11	16	13	10	7	1	2	0	0	60	---	---	---	---	---	---	---	---	---
ALABAMA—																			
Carlowville	5	9	21	4	12	5	27	7	0	90	0	0	0	0	4	0	3	0	7
Greene Springs	6	5	9	27	12	8	11	5	7	90	9	1	2	5	7	1	7	6	38
Selma	13	18	30	17	0	7	4	1	0	90	3	8	11	17	2	6	1	11	59
MISSISSIPPI—																			
Columbus	26	11	19	12	6	4	3	9	0	90	6	3	4	4	4	2	9	3	35
Natchez	25	16	4	7	6	20	0	12	0	90	3	9	3	3	0	9	4	3	34
Paulding	2	23	10	16	0	14	0	15	0	80	2	10	2	11	0	16	0	7	48
LOUISIANA—																			
Black River	37	16	6	12	11	5	0	0	0	90	7	5	1	6	3	4	3	9	38
New Orleans	0	37	0	15	0	30	0	8	0	90	---	---	---	---	---	---	---	---	---
TEXAS—																			
Austin, [Palm]	1	5	33	7	32	9	3	0	0	90	0	0	0	0	1	2	0	0	3
Austin, [Van Nostrand]	18	0	7	0	44	0	19	0	2	90	0	0	1	2	10	0	0	0	13
Goliad	37	13	12	18	8	1	1	0	0	90	15	1	10	2	12	4	16	5	65
Larissa	6	15	26	9	4	14	2	7	4	87	1	1	0	1	2	8	0	0	13
New Braunfels	37	1	9	15	13	1	1	13	0	90	---	---	---	---	---	---	---	---	---
Union Hill	36	1	0	3	43	0	1	4	2	90	8	0	0	8	35	0	0	2	53
TENNESSEE—																			
Glenwood	6	12	2	22	19	3	4	5	17	90	4	2	0	6	3	7	25	10	57
Memphis	21	9	6	9	14	6	1	19	5	90	---	---	---	---	---	---	---	---	---
KENTUCKY—																			
Bardstown	10	9	2	1	20	22	20	6	0	90	5	1	0	0	7	11	15	9	48
Louisville	3	15	0	32	12	21	2	5	0	90	0	3	0	0	2	23	6	2	36
Paris	5	10	0	9	11	32	5	16	0	88	0	0	1	0	7	1	29	0	38
Springdale	1	10	1	1	2	36	7	0	32	90	---	---	---	---	---	---	---	---	---
OHIO—																			
Bellefontaine	2	10	2	9	1	36	13	11	0	84	0	7	0	1	1	33	3	7	52
Bowling Green	0	4	1	1	2	35	2	3	39	87	0	4	0	0	0	15	8	14	41
Cincinnati, [Harper]	2	2	4	4	17	28	15	18	0	90	---	---	---	---	---	---	---	---	---
Cleveland	9	0	0	23	27	11	5	10	4	89	4	0	0	0	1	10	10	10	35
Dayton	0	14	2	6	3	36	2	21	0	84	0	1	0	3	2	28	1	11	46
Edinburg	2	52	4	11	0	0	3	14	3	89	0	0	1	0	0	16	22	10	49
Hillsborough	0	14	1	26	0	32	0	13	0	86	0	1	0	1	1	9	0	1	13
Hiram	9	7	1	6	14	34	5	5	3	84	2	0	0	1	1	6	13	8	31
Hudson	0	3	1	2	6	15	8	1	0	36	0	0	0	0	0	0	1	0	1
Jackson, [Monroe county]	7	2	2	1	7	1	1	0	43	64	---	---	---	---	---	---	---	---	---
Jefferson	0	11	0	12	0	30	0	37	0	90	0	25	0	0	0	0	0	0	25
Lancaster	7	10	7	8	18	14	20	6	0	90	3	3	0	0	3	11	13	12	45
Madison, [Atkins]	0	6	1	2	11	13	11	7	20	71	2	0	0	0	0	0	4	0	6
Madison, [King]	2	1	0	17	10	21	7	18	14	90	2	0	0	0	0	30	6	19	57
Medina	7	7	1	14	25	24	3	7	2	90	5	0	0	0	2	24	3	14	48
New Lisbon	2	4	2	16	5	28	11	20	1	89	1	1	0	5	1	11	12	10	41
Northwood	0	27	3	6	10	13	5	12	0	76	2	8	2	0	3	4	3	9	31
Ripley	0	5	0	11	0	6	1	10	34	67	0	2	0	0	0	1	0	7	10
Savannah	0	2	0	14	0	28	19	27	0	90	0	1	0	4	0	18	11	15	49
Urbana	1	5	2	10	5	14	1	4	42	84	1	1	0	0	3	11	11	10	40
Welchfield	3	3	6	22	27	14	5	1	0	90	0	0	0	1	1	1	0	3	6
Westerville	6	7	3	0	16	23	26	7	1	89	2	0	1	0	8	17	20	4	52

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—																			
Battle Creek	1	3	4	3	30	17	12	5	15	90	0	1	0	0	0	8	32	5	46
Cooper	0	0	3	3	7	3	21	0	53	90	1	0	0	0	0	0	11	7	19
Detroit	0	0	1	15	14	28	23	9	0	90	0	0	1	30	8	25	19	7	90
Grand Rapids	2	7	3	9	13	32	11	13	0	90	4	7	0	0	2	11	42	10	76
Marquette	1	3	18	9	2	12	27	18	0	90									
New Buffalo											1	2	0	1	1	16	28	13	62
Ottawa Point	10	5	4	5	13	16	7	20	0	80	3	14	10	8	7	2	0	1	45
Port Huron	13	2	0	0	20	31	2	7	8	83	7	1	0	0	2	11	5	3	29
Thunder Bay Island	7	9	0	23	21	25	6	28	1	120	5	18	21	8	4	5	6	7	74
INDIANA—																			
Cannelton	8	10	10	17	15	9	13	8	0	90	3	2	0	0	4	3	12	2	26
Evansville	14	7	5	3	44	6	6	2	0	87	1	0	0	0	6	5	14	5	31
Logansport	3	6	3	3	8	36	20	11	0	90	0	4	1	2	0	19	27	12	65
Madison	5	9	2	13	10	21	18	12	0	90	2	0	1	7	8	12	4	2	36
Michigan City	20	2	0	9	35	13	1	5	5	90	11	1	0	0	6	8	3	9	38
New Harmony	2	0	4	5	23	14	8	10	0	66									
Notre Dame	3	25	31	2	1	3	7	2	16	90	1	1	1	1	2	9	9	5	29
Richmond, [Austin]	1	14	0	1	10	11	1	8	4	50	1	1	0	0	2	10	7	5	26
ILLINOIS—																			
Athens	1	7	0	26	4	29	0	15	0	82	0	1	1	0	0	6	38	18	64
Augusta	1	5	8	15	15	17	17	9	3	90	0	2	0	1	4	5	17	7	36
Aurora	2	7	2	9	21	29	11	9	0	90	2	4	0	0	2	12	33	12	65
Batavia, [Capon]	3	13	0	6	29	19	7	13	0	90									
Batavia, [Mead]	0	11	0	5	0	61	1	12	0	90	0	9	0	0	0	35	1	17	62
Brighton	4	11	5	15	10	32	4	9	0	90	1	1	0	3	1	12	0	0	18
Edgington	1	8	0	10	17	31	2	21	0	90	1	8	0	3	16	23	8	18	77
Elgin	0	6	1	24	13	16	8	14	6	88	0	0	0	0	0	0	0	4	4
Jacksonville	2	0	1	3	7	4	8	5	0	30									
Manchester	7	6	2	8	38	10	15	4	0	90	4	5	1	1	16	7	8	8	50
Marengo	0	2	6	30	14	36	2	0	0	90									
Ottawa	0	8	6	10	17	22	4	11	1	79	1	3	0	0	5	4	4	7	24
Pekin	6	9	2	7	33	9	5	14	5	90	6	3	1	1	6	6	15	13	51
Peoria	0	5	5	15	41	11	12	1	0	90	1	0	0	0	1	1	3	1	7
Riley	2	5	1	2	14	18	21	12	14	89									
Upper Alton	0	0	0	0	5	36	4	45	0	90	0	1	0	0	4	37	4	45	91
Waynesville	9	0	2	0	6	3	49	2	18	89	2	1	0	0	0	7	20	1	31
West Salem	2	7	2	3	37	7	5	8	19	90	0	0	0	0	0	6	32	4	42
West Urbana	1	15	4	25	11	19	5	10	0	90									
Wheaton	6	6	2	5	11	34	12	9	4	89	2	0	0	0	0	3	8	8	21
Winnebago	2	12	1	13	14	26	11	11	0	90	0	0	0	0	0	1	22	10	33
MISSOURI—																			
St. Louis	9	4	4	29	12	16	12	4	0	90									
WISCONSIN—																			
Appleton	6	20	1	7	0	48	2	6	0	90	5	17	0	5	0	45	2	7	81
Bay City	0	17	3	0	14	43	4	8	0	89	2	5	1	0	0	23	3	2	36
Bayfield	0	10	0	0	6	21	4	19	0	60	1	8	0	0	1	26	5	17	58
Beloit	11	8	6	2	31	12	15	5	0	90	0	1	0	0	1	0	5	0	7
Green Bay	6	2	0	1	15	9	7	0	49	89	5	3	0	0	5	7	2	0	22
Janesville	3	8	2	10	20	22	10	7	8	90									
Kenosha	4	5	10	7	18	18	12	8	1	83									
Lind	3	8	3	7	23	12	23	4	4	87	4	0	0	0	4	8	27	2	45
Manitowoc	8	4	2	9	11	22	13	21	0	90	0	0	0	0	1	4	13	12	30
Milwaukee, [Pomeroy]	1	16	2	19	7	30	6	8	1	90									
Milwaukee, [Winkler]	6	10	7	12	6	17	23	9	0	90									
Platteville	2	7	3	32	0	7	7	32	0	90	1	2	1	0	0	10	13	33	60
Waukesha	0	3	4	4	8	13	7	3	45	87	0	3	1	0	0	1	3	1	9
IOWA—																			
Bellevue	6	6	2	12	16	20	12	16	0	90									
Border Plains	10	1	5	10	23	7	6	21	7	90	2	0	0	0	4	8	9	11	34
Dubuque	5	7	1	6	11	18	6	18	18	90	2	4	1	1	1	10	11	23	53
Fairfield	1	1	0	16	3	21	2	18	25	90	0	0	1	0	0	0	0	0	1
Fort Madison	1	6	2	12	0	35	8	24	2	90	0	3	2	0	1	13	17	2	38

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Iowa—Continued.																			
Franklin	13	3	1	10	20	6	13	10	14	90	0	1	0	0	0	0	0	0	1
Iowa City	6	4	3	27	11	10	5	24	0	90	1	0	0	0	0	0	0	0	1
Muscatine	0	8	1	9	17	27	10	18	0	90	0	2	0	0	0	8	0	2	12
Pleasant Plain	0	11	0	10	17	23	9	18	1	89	0	0	0	0	0	10	13	7	30
Rossville	5	8	5	9	15	13	14	12	7	88	----	----	----	----	----	----	----	----	----
Sioux City	9	2	0	29	4	1	3	41	0	89	3	0	0	1	3	1	1	6	15
Minnesota—																			
Burlington	1	2	8	2	8	3	4	1	0	29	----	----	----	----	----	----	----	----	----
Forest City	0	0	0	0	3	14	3	9	61	90	----	----	----	----	----	----	----	----	----
Hazlewood	10	1	2	22	13	2	6	30	2	88	5	0	1	0	0	2	3	9	20
Lapham	5	1	11	7	4	3	0	1	0	32	2	0	5	2	0	0	1	0	10
Princeton	19	7	12	11	8	6	18	7	2	90	7	2	17	3	2	0	8	1	40
Nebraska—																			
Bellevue	41	3	1	9	27	2	2	1	0	86	8	1	0	1	4	2	4	0	20
Brownville	0	6	0	15	1	39	1	28	0	90	0	2	0	6	0	11	1	10	30
Elkham	6	12	10	27	8	6	7	12	2	90	----	----	----	----	----	----	----	----	----
Omaha	9	6	0	10	23	2	8	11	21	90	13	1	0	4	7	8	4	7	44
Kansas—																			
Burlingame	11	5	5	4	32	5	2	11	15	90	----	----	----	----	----	----	----	----	----
Lawrence	24	1	2	0	52	1	3	0	0	83	----	----	----	----	----	----	----	----	----
Leavenw'h C'y, [Berthoud]	1	6	0	6	6	44	11	2	14	90	0	8	0	10	4	36	1	3	62
Leavenw'h C'y, [McCarty]	10	1	2	7	41	8	5	4	2	80	3	0	0	0	2	1	11	5	22
Manhattan	7	2	1	6	34	5	0	2	33	90	2	0	0	2	4	4	0	0	12
Mapleton	12	3	5	0	30	18	12	1	9	90	0	0	0	0	0	6	27	1	34
Mexico—																			
Cordova	22	16	2	3	5	2	3	7	0	60	----	----	----	----	----	----	----	----	----
Minatitlan	1	25	1	1	2	17	0	1	12	60	----	----	----	----	----	----	----	----	----
California—																			
Sacramento	15	2	2	22	17	14	9	9	0	90	0	0	0	8	1	12	0	0	21
San Francisco	0	0	0	0	1	2	42	0	45	90	0	0	0	1	10	4	21	0	36
Marysville	5	1	0	23	4	42	1	14	0	90	----	----	----	----	----	----	----	----	----
West Indies—																			
Nassau, Bahamas	2	22	4	24	0	0	0	0	0	52	----	----	----	----	----	----	----	----	----
South America—																			
Catharina Sophia, Surinam	5	33	10	26	6	1	0	3	0	84	1	15	18	19	0	0	0	0	53
Eastern Continent—																			
Jerusalem, Palestine	9	0	0	8	2	0	6	48	17	90	2	0	0	3	0	0	3	23	31

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	0	21	0	3	10	10	15	17	18	94	2	16	0	3	9	11	11	20	72
St. John's	10	21	3	6	6	14	22	11	0	93	----	----	----	----	----	----	----	----	----
St. Martin	0	26	0	19	2	27	12	4	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	8	17	0	31	15	4	10	4	4	93	----	----	----	----	----	----	----	----	----
Toronto	3	20	7	9	1	16	4	14	19	93	----	----	----	----	----	----	----	----	----
Windsor	6	15	1	0	18	12	10	14	17	93	----	----	----	----	----	----	----	----	----
Wolfville	1	12	10	4	2	4	33	5	22	93	4	5	3	1	4	9	23	10	59
MAINE—																			
Cornish, [Guptill]	5	6	2	12	12	4	12	40	0	93	----	----	----	----	----	----	----	----	----
Cornish, [West]	12	11	8	2	3	16	32	9	0	93	0	0	0	0	0	1	0	1	2
Dexter	7	4	2	6	9	3	17	35	10	93	----	----	----	----	----	----	----	----	----
Gardiner	2	20	3	14	3	14	3	22	11	92	0	4	0	2	4	21	4	10	45
Perry	10	11	4	3	4	25	7	29	0	93	3	10	0	0	1	16	3	15	48
Portland	16	5	8	8	11	5	11	24	4	92	2	1	1	1	3	5	9	4	26
Steuben	8	19	0	2	0	42	1	18	3	93	1	4	0	1	0	17	4	11	38
NEW HAMPSHIRE—																			
Shelburne	0	0	31	0	0	0	44	0	13	88	0	0	7	5	2	4	24	15	57
Stratford	3	10	27	6	8	8	21	10	0	93	2	0	10	2	7	7	40	8	76
West Enfield	3	1	0	19	11	13	8	33	3	91	4	1	0	18	5	11	6	20	65
VERMONT—																			
Brandon	16	0	4	8	27	4	2	22	10	93	0	0	0	1	7	3	4	29	44
Burlington	12	3	0	3	7	25	1	40	0	91	----	----	----	----	----	----	----	----	----
Craftsbury	3	17	2	5	29	10	7	16	4	93	3	5	0	1	5	10	13	16	53
Rupert	----	----	----	----	----	----	----	----	----	----	0	0	0	3	4	46	0	0	53
St. Johnsbury	5	0	5	9	22	3	15	33	1	93	1	1	0	2	7	3	14	3	31
MASSACHUSETTS—																			
Amherst	13	5	1	6	9	2	14	24	0	74	0	1	0	0	0	0	2	1	4
Bridgewater	5	13	10	4	8	20	20	13	0	93	1	7	1	0	1	5	9	4	28
Cambridge	5	6	9	2	4	23	18	9	17	93	----	----	----	----	----	----	----	----	----
Florida	1	10	0	9	0	16	36	21	0	93	0	9	0	6	1	12	17	21	66
Lawrence	1	16	3	9	0	19	4	41	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	14	3	4	4	30	3	35	0	93	0	15	3	6	3	29	2	21	79
Nantucket	4	13	4	10	5	23	11	18	5	93	----	----	----	----	----	----	----	----	----
New Bedford	2	18	3	8	5	21	7	28	1	93	0	4	2	0	0	1	4	15	26
Richmond	0	10	0	26	0	27	0	30	0	93	0	8	0	17	1	16	0	15	57
Westfield	10	4	8	10	4	5	19	33	0	93	0	0	0	0	0	1	4	0	5
Williamstown	8	2	21	9	5	15	4	10	19	93	----	----	----	----	----	----	----	----	----
Worcester	18	12	5	11	5	13	5	23	1	93	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	5	18	3	1	2	30	1	32	1	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	11	2	6	2	16	3	42	8	93	0	8	2	2	2	13	1	21	49
Middletown	8	6	2	4	7	16	1	22	26	92	2	1	0	2	1	7	23	8	44
New London	11	17	6	3	9	16	16	15	0	93	----	----	----	----	----	----	----	----	----
Pomfret	2	18	1	7	11	17	2	35	0	93	0	10	1	4	7	7	4	14	47
Saybrook	10	8	6	12	6	13	8	24	2	89	1	1	5	1	4	5	13	4	34
Wallingford	24	8	1	4	18	10	6	22	0	93	0	4	1	0	4	15	11	6	41
NEW YORK—																			
Baldwinsville	13	3	11	4	7	11	31	12	0	92	3	0	0	0	2	5	35	8	53
Beverly	9	10	1	8	7	32	1	21	0	89	1	7	3	9	1	19	10	3	53
Cazenovia	7	2	2	7	16	20	12	27	0	93	1	2	0	4	3	11	26	18	65
Covert	11	3	0	30	4	11	8	23	3	93	4	0	0	5	4	8	24	17	62
Eden	7	3	10	3	28	21	17	3	0	92	0	0	0	0	1	12	21	2	36
Morrisania	8	10	3	9	16	8	22	17	0	93	----	----	----	----	----	----	----	----	----
Nichols	8	2	4	34	14	2	3	26	0	93	7	0	0	11	8	3	4	24	57
Ogdensburg	2	10	1	0	8	5	4	1	0	31	----	----	----	----	----	----	----	----	----
Rochester	7	4	6	6	7	4	22	5	1	62	8	2	6	1	13	0	34	2	66
Sag Harbor	12	8	9	3	18	21	13	8	0	92	2	0	0	1	4	4	16	1	28
Saratoga	0	7	0	0	0	5	3	20	0	35	0	5	0	0	0	4	3	17	29
Wampsville	0	1	11	10	17	6	18	0	0	93	0	0	9	9	11	3	39	2	73
NEW JERSEY—																			
Lambertville	6	15	4	11	6	26	3	16	0	87	----	----	----	----	----	----	----	----	----

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—Continued.																			
Newark	8	13	2	4	1	16	5	14	0	63									
PENNSYLVANIA—																			
Bedford	0	0	3	18	3	19	2	36	0	81	3	10	3	19	0	0	0	17	52
Berwick	5	2	31	3	5	3	31	4	0	84									
Cannonsburg	0	0	24	16	0	5	39	7	2	93									
Carlisle	0	3	3	20	0	14	17	8	28	93	0	3	2	11	0	10	8	3	37
Chambersburg	3	3	26	7	9	1	6	1	37	93	2	0	5	4	5	7	22	14	59
Chromedale	0	5	0	12	4	39	1	32	0	93									
Easton	10	13	3	14	9	6	5	27	2	89									
Fleming	0	2	18	13	0	14	20	25	1	93	0	1	1	7	3	7	18	12	49
Gettysburg	9	2	2	5	16	10	11	12	26	93	5	1	1	4	12	4	25	7	59
Harrisburg, [Heisely]	5	0	3	11	30	0	16	26	0	91	3	0	0	2	11	0	7	13	36
Harrisburg, [Hickok]	12	7	18	5	8	12	22	9	0	93	1	0	3	0	1	3	6	1	15
Lewisburg	8	2	1	9	6	5	10	15	37	93	2	1	0	0	1	2	1	2	9
Morrisville	3	13	8	4	4	24	11	9	17	93	2	6	5	3	2	23	10	4	55
Mount Joy	2	1	1	26	5	1	1	12	44	93									
Murrysville	2	10	15	8	1	34	4	2	17	93	0	2	2	0	1	29	7	6	47
Norristown	0	1	18	9	1	7	41	1	0	78	0	4	6	3	4	4	21	3	45
North Whitehall	2	8	9	0	5	12	9	3	45	93	1	6	3	0	2	5	22	2	41
Philadelphia	6	21	1	3	4	35	12	11	0	93	0	6	1	0	0	8	3	0	18
Pittsburg, [Marine Hosp'l]	3	1	14	8	10	13	11	3	30	93	1	0	3	0	4	17	5	0	30
Pocopson	9	8	3	5	3	22	23	11	0	84	6	3	1	0	1	11	8	1	31
Shamokin	1	2	19	2	12	2	54	1	0	93	2	0	0	0	0	3	47	0	52
Somerset	2	1	2	10	8	12	18	5	35	93	3	3	1	7	8	9	28	6	65
Tarentum	5	6	3	1	4	21	7	6	40	93	3	2	0	2	3	19	24	5	58
West Haverford	0	9	1	6	3	13	9	15	6	62	1	2	0	0	0	7	8	14	32
Westtown	7	7	5	14	12	11	6	30	0	92	1	2	2	3	1	6	1	21	37
MARYLAND—																			
Annapolis	9	13	4	11	10	18	7	10	11	93	8	0	0	0	0	19	3	1	31
Baltimore	28	3	9	11	9	9	12	11	1	93									
Bladensburg	1	6	5	6	1	8	0	8	0	35									
Chestertown	6	7	22	4	5	15	24	5	2	90	1	0	1	1	0	0	0	0	3
Frederick	1	17	0	4	5	11	19	8	28	93	0	0	1	4	2	2	22	5	36
Leitersburg	5	2	1	7	13	19	21	7	18	93	6	0	0	4	9	8	16	10	53
Sykesville	9	16	8	6	9	10	33	2	0	93	0	2	15	5	0	4	45	1	72
DISTRICT OF COLUMBIA—																			
Washington	11	6	5	3	13	2	6	12	32	90									
VIRGINIA—																			
Crichton's Store	33	9	7	2	11	23	2	3	3	93	0	0	0	0	0	1	5	0	6
Holliday's Cove											1	0	0	1	11	16	32	4	65
Kanawha	12	0	0	0	32	0	2	1	4	51	0	0	0	0	1	5	14	0	20
Lewinsville	7	4	12	14	19	3	17	17	0	93									
Lewisburg	8	2	0	0	19	43	12	7	2	93	9	2	0	0	18	47	10	7	93
Montross	5	6	10	6	5	6	9	4	39	90	5	3	0	0	3	3	5	1	20
Point Pleasant	8	0	27	3	4	2	46	0	0	90	5	2	13	0	0	0	27	0	47
Poplar Grove	0	0	29	2	0	4	22	5	31	93	1	2	0	2	3	18	20	3	49
Portsmouth	4	18	14	14	0	14	9	18	0	91									
Rougemont	4	8	8	2	18	4	17	6	2	69	1	3	2	0	6	4	10	2	28
Smithfield	13	18	9	7	9	17	6	14	0	93	0	10	2	1	5	7	10	6	41
Stribling Springs	2	28	0	3	3	43	0	14	0	93	0	9	0	3	0	23	0	1	36
Winchester	0	0	1	4	2	9	11	0	66	93									
Wirt Court House	0	3	1	4	1	24	1	28	31	93	0	0	0	4	1	37	1	21	64
NORTH CAROLINA—																			
Chapel Hill	11	29	4	2	10	10	18	4	0	88	2	5	5	2	6	15	2	0	37
Davidson College	3	39	2	0	0	30	2	2	10	88	0	10	6	5	1	27	2	0	51
Goldsborough	15	23	3	6	13	11	1	8	11	91	4	7	0	1	2	7	0	2	23
Murfreesborough	0	13	6	7	2	4	7	9	27	75	0	8	0	6	3	4	11	4	36
SOUTH CAROLINA—																			
All Saints	19	32	1	7	7	12	7	5	0	93	3	12	4	3	3	21	23	2	71
Charleston, [Dawson]	1	30	5	8	2	14	0	2	0	62									
Charleston, [Johnson]	3	12	1	2	0	8	2	3	0	31									
Columbia	10	3	17	3	13	1	11	4	0	62	5	3	12	3	9	1	5	2	40

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—Contin'd.																			
St. John's	4	19	2	24	2	11	2	23	0	87	3	0	10	0	3	4	10	0	30
GEORGIA—																			
Athens	4	1	4	7	4	0	1	5	23	49	0	0	3	0	0	0	0	0	3
Augusta	2	37	5	9	0	27	8	5	0	93	2	11	11	8	0	30	2	1	65
Savannah	6	31	3	5	11	18	2	17	0	93	0	0	1	1	3	1	0	0	6
Sparta	4	25	10	16	2	14	5	15	0	91	1	3	4	7	4	4	9	7	39
Whitemarsh Island	4	28	3	7	9	7	9	6	20	93	3	11	5	4	10	3	8	1	45
FLORIDA—																			
Alachua County	14	20	5	13	3	9	0	24	0	88									
Alligator	0	34	8	7	2	6	2	6	28	93	1	11	6	5	2	6	1	1	33
Atsena	28	10	11	11	4	7	8	7	7	93	5	8	6	9	4	7	1	2	42
Belair	2	12	31	7	5	3	1	3	25	89	0	2	17	8	1	5	6	6	45
Jacksonville	10	30	9	11	2	20	5	5	1	93	3	8	3	2	3	13	4	4	40
Micanopy	10	12	6	16	5	0	1	2	23	75	1	1	2	0	1	0	1	0	6
St. Augustine	3	72	4	10	0	1	0	1	0	91	0	57	5	13	0	1	0	1	77
Salt Ponds	14	19	16	12	0	0	0	1	0	62									
ALABAMA—																			
Carlowville	16	12	19	11	15	6	9	5	0	93	0	0	0	0	4	2	2	0	8
Greene Springs	2	6	15	26	0	6	12	4	21	92	2	0	2	12	8	11	7	7	49
Greensborough	7	1	10	22	2	0	5	8	0	55	1	1	2	13	1	1	15	0	34
Montgomery	0	0	0	9	0	2	0	0	10	21	0	3	0	20	5	11	3	0	42
Selma	14	5	30	5	4	7	12	16	0	93	12	3	8	8	21	5	10	12	79
MISSISSIPPI—																			
Columbus	13	2	18	24	13	6	7	10	0	93	2	0	1	11	12	12	11	5	54
Natchez	13	11	3	22	14	22	5	3	0	93	2	3	2	12	4	5	0	4	32
Paulding	0	7	7	28	1	27	3	11	0	84	0	3	5	22	0	26	3	10	69
LOUISIANA—																			
Black River	27	5	9	16	19	7	3	7	0	93	4	1	0	9	9	10	7	4	44
New Orleans	0	16	0	12	0	26	0	39	0	93									
TEXAS—																			
Austin, [Palm]	15	11	2	13	34	18	0	0	0	93	2	0	1	1	8	7	1	1	21
Austin, [Van Nostrand]	17	0	12	0	39	1	17	0	4	90	1	0	1	1	19	2	5	0	29
Goliad	28	1	10	30	9	0	1	2	0	81	4	1	8	15	5	1	24	0	58
Larissa	11	10	11	22	11	12	2	6	2	87	1	0	0	2	4	4	2	0	13
New Braunfels	27	3	28	6	3	3	9	14	0	93									
Union Hill	21	0	0	11	47	2	5	4	3	93	22	0	0	7	29	1	0	2	61
Washington	31	0	0	0	11	0	2	1	14	59	1	0	0	0	0	0	0	1	2
TENNESSEE—																			
Glenwood	8	8	3	22	16	12	4	6	14	93	1	0	0	7	10	24	26	5	73
Memphis	5	2	10	22	17	16	5	16	0	93									
KENTUCKY—																			
Bardstown	5	16	10	2	7	20	29	2	0	91	10	6	10	1	4	5	10	9	55
Louisville	3	12	7	15	9	27	8	12	0	93	0	3	0	5	3	18	5	4	38
Paris	9	9	2	14	10	32	8	7	0	91	0	0	1	0	20	3	13	0	37
Springdale	1	19	7	1	14	23	9	0	19	93									
OHIO—																			
Avon	0	3	8	4	6	14	8	4	1	48	3	4	3	2	1	9	20	6	48
Bellefontaine	3	7	3	13	2	31	12	11	0	85	0	6	0	12	1	43	6	6	74
Bowling Green	1	16	4	0	0	32	2	3	34	92	1	5	0	6	2	12	12	8	46
Cincinnati, [Harper]	4	0	17	5	29	4	22	12	0	93	0	0	0	0	0	0	1	0	1
Cleveland	8	8	6	14	19	10	8	9	2	84	2	3	0	0	5	12	12	8	42
Dayton	4	8	1	20	4	25	1	18	0	81	0	3	0	13	3	20	1	12	52
Edinburg	0	50	9	15	0	3	1	11	4	93	0	0	0	3	0	29	34	10	76
Hillsborough	1	20	0	26	0	33	5	7	0	92	0	0	0	3	0	10	0	2	15
Hiram	10	2	3	4	9	24	9	7	0	68	3	0	0	0	0	4	15	4	26
Hudson	7	8	11	14	13	20	9	10	1	93									
Jackson, (Monroe county)	9	4	5	3	11	1	0	1	40	74	0	0	0	0	0	2	3	0	5
Jefferson	0	10	0	36	9	34	0	4	0	93	9	34	0	4	0	10	0	36	93
Lancaster	3	12	7	11	15	24	16	5	0	93	0	2	2	3	7	15	17	6	52
Madison, [Atkins]	3	3	4	7	10	13	2	8	27	77	2	0	6	0	1	0	0	0	9
Madison, [King]	1	10	2	14	10	26	5	15	9	92	2	5	2	4	7	28	16	14	78
Medina	8	2	0	3	11	13	1	2	0	40	2	0	5	0	1	10	13	6	37

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Montville	13	12	0	12	28	22	1	4	0	92	2	21	16	6	4	3	0	1	53
New Lisbon	4	6	1	19	19	18	13	13	0	93	1	2	1	18	5	11	20	17	75
Northwood	1	27	4	3	8	24	16	8	0	91	5	1	15	6	0	11	3	4	45
Ripley	0	1	2	19	0	4	0	17	23	66	0	1	0	0	0	0	3	3	7
Savannah	1	9	0	17	0	34	10	22	0	93	1	9	0	5	0	30	8	22	75
Urbana	0	10	6	12	5	13	2	7	31	86	0	3	1	5	4	10	18	9	50
Welchfield	3	7	8	18	10	26	11	10	0	93	0	0	0	0	0	2	1	0	3
Westerville	4	6	2	9	8	19	31	9	3	91	3	4	0	8	7	12	25	8	67
Michigan—																			
Battle Creek	4	5	12	7	14	16	20	4	11	93	2	0	5	1	11	4	43	4	70
Cooper	0	0	0	0	0	0	7	0	85	92	4	0	1	3	0	6	13	5	32
Detroit	0	4	14	17	16	26	15	1	0	93	1	1	13	22	5	36	9	6	93
Fort Gratiot	4	12	0	12	7	20	0	6	0	61	9	5	5	0	7	4	5	0	35
Grand Rapids, [Streng]	4	10	19	8	8	22	12	10	0	93	1	8	12	3	6	11	41	6	88
Marquette	0	3	21	23	0	6	25	15	0	93									
Monroe	0	12	0	25	0	12	0	44	0	93	0	12	0	25	0	7	0	39	83
New Buffalo											0	5	10	7	1	16	28	11	78
Ottawa Point	8	21	14	11	13	33	14	10	0	124	12	18	21	7	5	13	3	2	81
Port Huron	11	9	1	5	15	14	12	12	7	86	5	4	0	4	0	5	16	2	36
Thunder Bay Island	11	14	8	35	10	17	6	19	4	124	3	1	1	5	0	5	8	9	32
Indiana—																			
Cannelton	0	5	8	28	17	15	6	13	1	93	1	1	1	11	12	5	3	5	39
Logansport	5	4	10	14	8	15	23	14	0	93	3	2	4	13	3	22	22	11	80
Madison	3	13	4	16	6	29	9	13	0	93	0	10	3	13	4	13	5	4	52
Michigan City	5	4	2	5	14	6	5	5	4	50	4	1	0	1	2	7	1	6	22
New Harmony	0	2	5	15	17	15	7	6	0	67									
Notre Dame	3	4	16	5	4	28	13	5	10	88	3	0	4	1	3	13	13	4	41
Richmond, [Austin]	4	11	5	5	5	15	2	7	5	59	0	1	4	3	4	11	8	9	40
Richmond, [Moore]	1	2	9	10	3	14	10	2	26	77									
Illinois—																			
Athens	0	16	4	21	12	21	1	13	0	88	0	3	0	1	0	11	22	4	41
Augusta	3	9	17	12	12	18	10	6	6	93	2	2	6	2	4	7	13	2	38
Aurora	6	8	19	11	9	21	12	7	0	93	2	3	7	8	5	13	30	3	71
Batavia, [Capon]	10	13	18	2	17	15	7	11	0	93									
Batavia, [Mead]	0	29	0	8	0	37	4	15	0	93	0	16	0	5	0	46	6	9	82
Brighton	6	13	3	14	15	18	9	15	0	93	0	6	2	13	6	19	4	4	54
Edgington	0	35	1	4	8	16	5	24	0	93	0	34	2	4	4	19	5	22	90
Elgin	2	19	11	6	13	11	16	6	4	88	0	0	0	0	0	0	1	1	2
Jacksonville	2	1	1	8	4	7	6	2	0	31									
Manchester	10	5	12	7	35	5	15	4	0	93	8	2	8	5	18	8	15	2	66
Marengo	0	8	13	23	9	34	6	0	0	93									
Ottawa	1	29	2	8	5	23	7	10	3	88	0	8	3	4	2	0	1	1	19
Pekin	7	6	15	10	21	5	12	7	7	93	2	3	3	9	2	11	12	8	50
Peoria	5	18	14	5	13	12	24	2	0	93									
Riley	5	12	5	4	13	12	15	13	13	92									
Upper Alton	4	4	0	10	4	32	9	30	0	93	5	4	0	9	4	34	9	29	94
Waynesville	11	0	23	0	6	5	32	0	9	86	7	0	7	1	4	3	21	0	43
West Salem	7	7	9	10	29	10	5	4	12	93	0	0	0	0	1	14	28	3	46
West Urbana	6	1	10	23	20	23	5	5	0	93	0	0	0	0	0	0	2	0	2
Wheaton	6	17	14	2	8	24	8	6	4	89	2	1	1	1	0	3	3	2	13
Winnebago	7	22	5	11	5	28	9	6	0	93	0	0	1	0	0	2	19	6	28
Missouri—																			
St. Louis	5	2	17	24	12	9	17	7	0	93									
Wisconsin—																			
Appleton	5	32	0	3	2	36	5	10	0	93	5	37	0	3	2	27	3	12	89
Bay City	0	32	8	1	12	18	17	5	0	93	0	5	4	0	4	12	15	2	42
Bayfield	0	22	0	3	4	10	2	20	1	62	1	22	0	3	0	15	3	17	61
Beloit	10	9	14	17	15	17	5	6	0	93	1	0	0	0	1	4	1	0	7
Green Bay	12	2	16	0	10	5	17	0	31	93	5	0	12	3	12	3	14	0	48
Janesville	2	7	22	12	9	20	17	1	3	93									
Kenosha	2	2	21	10	8	22	18	6	0	89									
Lind	2	15	12	6	17	3	21	2	4	82	1	2	9	0	10	4	21	5	52

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Madison	5	11	10	8	9	16	5	10	0	75	0	0	1	0	0	0	4	0	5
Manitowoc	4	14	11	8	10	12	21	13	0	93	1	2	2	3	0	8	13	3	32
Milwaukee, [Pomeroy]	0	19	11	9	3	21	19	11	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	13	22	7	3	11	23	13	0	93	----	----	----	----	----	----	----	----	----
Platteville	0	5	22	22	1	12	9	22	0	93	0	4	19	7	1	27	14	6	78
Waukesha	3	15	2	2	9	6	20	5	31	93	2	0	4	0	0	1	7	1	15
IOWA—																			
Bellevue	0	19	11	9	8	15	19	12	0	93	----	----	----	----	----	----	----	----	----
Border Plains	8	6	13	12	15	8	4	24	3	93	0	1	0	0	2	9	5	5	22
Dubuque	5	7	5	12	8	18	5	15	18	93	0	8	3	10	3	11	8	19	62
Fairfield	0	9	1	21	0	10	3	13	36	93	0	2	4	2	0	0	2	1	11
Fort Madison	3	18	3	10	0	30	9	19	1	93	2	10	6	1	3	9	20	5	56
Iowa City	5	7	13	19	6	11	16	14	0	91	0	0	0	2	0	1	4	1	8
Muscatine	0	7	14	7	13	21	23	8	0	93	0	4	0	1	0	7	0	1	13
Pleasant Plain	4	20	12	8	14	15	7	11	2	93	0	1	0	1	0	6	7	2	17
Rossville	5	9	21	4	10	7	17	13	7	93	----	----	----	----	----	----	----	----	----
Sioux City	1	2	0	14	0	0	2	16	0	35	0	0	0	0	0	0	0	2	2
MINNESOTA—																			
Burlington	6	20	20	7	11	6	9	14	0	93	3	18	17	7	9	4	11	14	83
Forest City	3	0	14	4	4	2	11	9	46	93	----	----	----	----	----	----	----	----	----
Hazlewood	1	7	2	12	22	3	7	39	0	93	1	6	7	3	10	1	5	5	38
Princeton	13	7	24	10	10	3	23	3	0	93	12	0	18	1	4	1	22	3	61
NEBRASKA—																			
Bellevue	40	8	8	6	16	1	4	2	8	93	6	4	3	2	0	2	1	3	21
Brownville	0	29	0	9	1	24	2	28	0	93	0	19	0	8	1	13	1	11	53
Elkham	2	25	14	14	6	9	8	14	1	93	----	----	----	----	----	----	----	----	----
Omaha	2	6	1	5	3	1	6	7	6	37	0	3	4	3	0	4	5	5	24
KANSAS—																			
Burlingame	23	10	8	3	20	4	5	5	15	93	----	----	----	----	----	----	----	----	----
Lawrence	30	3	1	2	22	1	4	4	2	69	1	0	0	0	0	0	0	0	1
Leavenw'hC'y, [Berthoud]	1	5	0	24	2	37	4	8	3	84	0	8	2	24	6	28	1	3	72
Leavenw'h C'y, [McCarty]	2	7	3	7	7	0	0	7	2	35	1	2	2	2	1	0	1	6	15
Manhattan	13	16	1	8	10	8	1	3	33	93	6	6	1	4	6	8	2	1	34
MEXICO—																			
Cordova	21	17	2	3	5	4	2	6	2	62	----	----	----	----	----	----	----	----	----
Minatitlan	1	31	0	1	6	11	3	0	7	60	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	6	0	0	13	65	3	0	6	0	93	----	----	----	----	----	----	----	----	----
Sacramento	25	4	2	11	15	7	7	22	0	93	0	0	0	8	3	23	12	4	50
San Francisco	9	1	0	0	3	9	21	7	43	93	3	1	2	2	10	9	36	3	66
WEST INDIES—																			
Nassau, Bahamas	13	32	6	0	0	0	0	1	0	52	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	1	49	12	21	6	2	1	1	0	93	0	11	20	20	0	0	0	0	51
EASTERN CONTINENT—																			
Jerusalem, Palestine	6	3	2	11	0	1	6	27	37	93	0	0	0	2	1	1	2	11	17

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	2	22	4	3	0	10	9	30	10	90	3	25	5	3	0	9	11	30	86
Red River Settlement	6	1	1	2	19	10	1	13	5	58	10	6	0	5	2	0	3	8	34
Rigolet	19	4	3	0	1	1	0	25	7	60	----	----	----	----	----	----	----	----	----
St. John's	22	34	0	3	6	9	10	6	0	90	9	16	0	1	3	0	0	0	29
St. Martin	1	26	2	13	2	14	12	20	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	1	15	10	11	9	4	30	2	8	90	----	----	----	----	----	----	----	----	----
Toronto	1	23	5	6	0	13	1	34	7	90	----	----	----	----	----	----	----	----	----
Windsor	24	9	0	3	4	9	15	14	12	90	----	----	----	----	----	----	----	----	----
Wolfville	4	22	4	0	1	1	31	11	0	74	2	21	2	0	1	2	20	12	60
MAINE—																			
Cornish, [Guptill]	12	7	4	2	8	2	4	51	0	90	----	----	----	----	----	----	----	----	----
Cornish, [West]	8	20	4	3	1	11	21	22	0	90	0	0	0	0	0	0	1	0	1
Dexter	6	19	7	1	2	0	3	48	4	90	----	----	----	----	----	----	----	----	----
Gardiner	6	23	2	4	0	7	2	35	11	90	6	5	1	0	1	10	1	23	47
Perry	4	18	5	0	0	4	2	57	0	90	3	13	4	0	1	3	1	23	48
Portland	23	17	1	1	2	4	19	23	0	90	3	1	4	0	1	7	13	11	40
Steuben	4	45	0	0	0	6	12	20	3	90	3	12	0	0	1	10	10	12	48
NEW HAMPSHIRE—																			
Shelburne	0	0	15	0	0	0	61	0	14	90	6	0	2	4	0	6	30	18	66
Stratford	2	10	16	3	8	11	14	26	0	90	2	3	6	5	2	9	28	28	83
West Enfield	0	4	3	10	1	10	11	48	3	90	2	4	1	9	1	6	5	42	70
VERMONT—																			
Brandon	27	1	4	11	9	4	6	22	6	90	0	0	0	1	1	1	4	32	39
Burlington	5	7	0	15	4	13	2	30	0	76	----	----	----	----	----	----	----	----	----
Craftsbury	3	20	2	2	17	6	3	33	4	90	2	3	0	1	0	0	9	19	34
Rupert	----	----	----	----	----	----	----	----	----	----	0	0	1	4	0	76	1	0	82
St. Johnsbury	18	5	2	5	7	8	12	33	0	90	1	0	0	0	0	1	8	4	14
MASSACHUSETTS—																			
Amherst	5	9	3	9	0	8	5	46	1	86	1	1	4	1	0	3	6	22	38
Bridgewater	23	14	5	2	1	1	21	23	0	90	10	4	5	0	2	1	9	7	38
Cambridge	6	11	6	1	0	18	8	25	15	90	----	----	----	----	----	----	----	----	----
Florida	0	17	0	0	0	7	33	33	0	90	0	16	1	1	0	10	31	23	82
Lawrence	0	11	6	6	0	8	4	55	0	90	----	----	----	----	----	----	----	----	----
Mendon	1	21	10	2	0	16	6	34	0	90	1	16	10	5	1	19	5	21	78
Nantucket	5	16	5	3	0	4	6	46	5	90	----	----	----	----	----	----	----	----	----
New Bedford	10	15	2	5	0	5	7	45	1	90	2	5	0	1	0	0	7	10	25
Newburyport	6	4	7	0	4	1	9	12	0	43	0	0	1	0	0	0	0	0	1
Richmond	0	17	0	9	1	4	0	59	0	90	0	16	0	10	2	6	0	27	61
Westfield	10	11	3	5	2	5	21	33	0	90	----	----	----	----	----	----	----	----	----
Williamstown	7	2	5	1	0	6	13	32	6	72	----	----	----	----	----	----	----	----	----
Worcester	10	17	1	2	0	5	8	37	0	80	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	5	23	1	0	0	12	3	45	0	89	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	24	1	0	0	3	0	48	11	90	3	14	1	1	0	3	0	34	56
Middletown	13	14	1	0	0	6	12	28	16	90	2	0	0	0	0	13	19	13	47
New London	7	24	1	0	0	13	4	41	0	90	----	----	----	----	----	----	----	----	----
Pomfret	6	23	0	1	2	10	1	47	0	90	3	16	0	0	1	3	6	23	52
Saybrook	7	19	7	1	1	1	11	35	8	90	0	5	3	2	0	2	16	14	42
Wallingford	17	19	0	1	9	8	35	1	0	90	3	6	5	1	1	8	15	8	47
NEW YORK—																			
Baldwinsville	1	4	14	8	0	5	26	32	0	90	0	0	5	2	1	3	39	27	77
Beverly	3	24	0	0	0	31	0	26	0	84	0	19	1	3	0	23	7	16	69
Cazenovia	0	7	10	13	1	8	13	35	1	88	0	0	4	15	2	4	19	34	78
Eden	1	4	12	11	26	10	15	4	0	83	0	0	0	0	1	4	18	1	24
Fort Edward	10	26	7	9	3	10	4	21	0	90	0	3	10	17	2	1	3	0	36
Houseville	11	4	0	4	12	13	17	25	0	86	0	0	0	0	0	13	20	9	42
Morrisania	8	15	1	1	1	12	26	26	0	90	----	----	----	----	----	----	----	----	----
Nichols	4	1	4	23	11	5	7	35	0	90	5	0	0	3	7	6	6	35	62
Ogdensburg	2	9	0	1	1	7	2	9	0	31	----	----	----	----	----	----	----	----	----
Rochester	0	5	12	2	0	4	31	6	0	60	5	4	16	2	0	3	38	8	76
Sag Harbor	10	14	5	0	1	6	9	21	3	72	1	1	1	0	2	10	8	7	30

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued																			
Saratoga	0	30	2	1	0	28	2	27	0	90	0	34	2	1	0	22	2	28	89
Wampsville	0	1	23	2	5	6	53	0	0	90	0	1	24	1	6	5	51	0	88
NEW JERSEY—																			
Lambertville	4	22	3	1	0	7	8	37	0	82	----	----	----	----	----	----	----	----	----
Newark	3	21	0	1	0	13	4	18	0	60	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bellefonte	18	2	3	1	4	6	18	19	0	71	16	0	0	2	4	0	3	9	34
Berwick	0	0	32	1	3	1	41	12	0	90	----	----	----	----	----	----	----	----	----
Cannonsburg	0	4	13	7	0	18	24	22	2	90	----	----	----	----	----	----	----	----	----
Carlisle	0	4	9	5	0	4	6	38	24	90	0	1	8	4	0	4	4	34	55
Chambersburg	2	1	20	22	12	1	12	0	20	90	8	2	2	3	7	4	28	20	74
Chromedale	0	7	6	10	0	20	2	45	0	90	----	----	----	----	----	----	----	----	----
Easton	10	18	0	5	2	4	12	37	2	90	----	----	----	----	----	----	----	----	----
Fleming	1	4	10	14	0	1	16	44	0	90	1	0	2	11	2	5	14	40	75
Gettysburg	6	25	3	0	3	11	11	28	3	90	2	8	7	0	1	10	23	25	76
Harrisburg, [Heisely]	6	8	10	11	0	0	7	45	0	87	1	1	0	0	0	0	2	26	30
Harrisburg, [Hickok]	7	17	10	2	4	5	40	5	0	90	0	0	2	0	1	1	10	1	15
Lewisburg	13	6	2	5	5	5	12	15	27	90	1	0	1	0	0	2	7	8	79
Linden	0	8	13	0	2	4	44	4	1	76	----	----	----	----	----	----	----	----	----
Morrisville	3	16	16	1	0	10	12	32	0	90	3	10	13	1	0	11	13	27	78
Mount Joy	0	2	0	31	3	0	0	14	40	90	0	0	0	0	0	0	0	2	2
Murrysville	2	9	13	6	0	39	10	5	5	89	1	1	2	2	1	24	7	14	52
Norristown	0	8	11	0	0	5	47	7	0	78	0	5	10	0	0	2	50	2	69
North Whitehall	0	15	4	1	1	9	6	26	28	90	0	7	5	0	0	9	9	18	48
Philadelphia	4	22	1	3	0	18	8	34	0	90	0	1	1	0	0	5	10	9	26
Pittsburg, [Marine Hospt'l]	1	3	14	2	4	17	28	3	18	90	0	1	0	3	2	16	19	0	41
Pocopson	8	9	14	2	1	6	25	24	0	89	10	0	1	1	0	2	18	10	42
Shamokin	0	0	50	0	3	0	37	0	0	90	0	0	0	0	0	0	79	0	79
Somerset	0	0	6	9	1	4	41	5	24	90	0	0	4	7	0	2	35	10	58
Tarentum	0	9	5	0	1	26	19	5	25	90	0	2	1	2	2	22	28	11	68
West Haverford	0	13	9	1	1	1	17	17	1	60	2	0	3	1	1	4	11	13	35
Westtown	7	8	9	11	1	3	5	46	0	90	5	1	0	2	0	2	2	26	38
MARYLAND—																			
Annapolis	6	20	6	1	6	20	6	21	4	90	1	0	0	0	0	21	0	6	28
Baltimore	23	6	8	4	3	5	20	15	2	86	----	----	----	----	----	----	----	----	----
Bladensburg	1	3	1	0	0	4	3	17	0	29	----	----	----	----	----	----	----	----	----
Chestertown	8	13	17	3	5	2	29	13	0	90	0	2	1	1	0	0	1	0	5
Frederick	6	23	0	0	4	10	14	21	12	90	0	3	3	1	0	2	25	10	44
Leitersburg	3	5	4	3	3	13	24	22	13	90	2	1	5	2	1	10	20	32	73
Leonardtown	8	8	1	1	2	15	13	19	2	69	5	0	0	0	1	0	5	23	34
Sykesville	3	15	10	7	2	2	38	13	0	90	1	2	14	1	0	3	56	5	82
DISTRICT OF COLUMBIA—																			
Washington	13	8	7	3	5	5	6	30	11	88	0	0	0	0	0	0	1	0	1
VIRGINIA—																			
Crichton's Store	26	4	3	2	10	20	14	5	4	88	0	0	0	0	3	4	5	0	12
Cross Creek	----	----	----	----	----	----	----	----	----	----	4	0	4	0	17	8	44	4	81
Kanawha	16	0	1	1	25	0	6	7	10	66	0	0	1	0	3	13	7	2	26
Lewinsville	3	16	3	13	2	5	8	39	0	89	----	----	----	----	----	----	----	----	----
Lewisburg	5	22	0	0	1	30	0	32	0	90	----	----	----	----	----	----	----	----	----
Montross	4	0	12	4	0	5	18	15	32	90	4	0	1	0	2	5	12	7	31
Point Pleasant	42	3	35	0	9	0	1	0	0	90	33	2	22	0	9	0	2	0	68
Poplar Grove	0	0	10	2	0	2	42	14	20	90	0	0	0	0	2	20	24	14	60
Portsmouth	9	16	6	0	1	4	18	36	0	90	----	----	----	----	----	----	----	----	----
Rougemont	4	3	2	0	4	9	10	17	1	50	2	1	1	0	2	7	11	1	25
Smithfield	12	9	1	1	7	8	10	15	0	63	3	2	1	0	1	0	16	11	34
Stribling Springs	8	12	0	0	9	33	0	28	0	90	1	0	0	1	1	30	1	11	45
Winchester	0	0	3	0	0	0	11	12	63	89	----	----	----	----	----	----	----	----	----
Wirt Court-House	1	4	0	1	0	10	3	67	4	90	0	0	0	0	0	35	2	48	85
NORTH CAROLINA—																			
Chapel Hill	21	11	0	0	4	12	16	21	0	85	2	2	1	0	3	21	9	9	47
Davidson College	1	23	1	4	0	25	9	23	2	88	1	6	1	1	4	35	3	9	60
Goldsborough	16	11	3	7	3	18	11	4	15	88	0	4	0	0	0	3	4	0	11

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—Contin'd.																			
Murfreesborough	0	9	9	3	3	6	26	8	24	88	2	5	8	3	1	15	21	0	55
SOUTH CAROLINA—																			
All Saints	16	6	5	3	11	21	20	7	1	90	6	2	0	0	0	43	10	3	64
Charleston, [Dawson]	1	20	1	1	0	12	8	17	0	60									
Charleston, [Johnson]	1	8	0	3	1	0	3	14	0	30									
Columbia	14	3	10	1	7	3	20	2	0	60	7	1	9	1	6	1	5	1	31
St. John's	4	15	4	14	0	15	3	31	0	86	0	2	1	1	0	5	10	16	35
GEORGIA—																			
Savannah	4	20	4	4	1	19	10	28	0	90	0	0	0	0	0	6	0	0	6
Sparta	1	17	2	6	1	23	16	24	0	90	1	6	0	1	2	14	14	12	50
Whitemarsh Island	7	11	2	4	5	8	7	26	19	89	2	3	0	2	3	7	10	10	37
FLORIDA—																			
Alachua County	11	6	3	3	0	15	13	31	0	82									
Alligator	4	21	5	8	2	9	2	26	13	90	2	6	0	3	4	10	7	7	39
Atsena	26	11	11	12	4	3	3	16	4	90	13	8	7	6	6	5	2	8	55
Belair	10	21	7	9	2	1	0	21	15	86									
Jacksonville	2	13	0	5	1	27	2	40	0	90	0	6	2	4	0	23	1	8	44
Micanopy	4	13	3	5	2	3	9	17	22	78	0	0	0	0	0	1	1	0	2
Salt Ponds	18	17	3	4	10	2	1	4	1	60									
ALABAMA—																			
Carlowville	25	9	11	3	3	1	24	13	0	89	0	0	0	2	4	3	4	0	13
Greene Springs	8	2	3	16	0	6	25	5	18	83	3	1	0	0	1	4	11	16	36
Greensborough	11	5	4	9	6	4	12	33	0	84	4	0	0	3	0	3	23	11	44
Montgomery											7	0	0	3	1	11	28	12	62
Selma	35	5	4	4	14	4	3	21	0	90	16	1	2	2	8	3	16	17	65
MISSISSIPPI—																			
Columbus	20	2	8	6	9	1	30	14	0	90	3	0	0	2	1	7	37	6	56
Natchez	25	4	2	9	16	4	1	29	0	90	1	1	1	2	0	9	2	18	34
Paulding	0	9	0	11	0	13	9	43	0	85	0	4	0	6	0	19	12	27	68
LOUISIANA—																			
Black River	31	6	0	7	19	9	5	13	0	90	4	0	0	0	1	23	6	11	45
New Orleans	0	19	0	13	0	18	0	40	0	90									
TEXAS—																			
Austin, [Palm]	34	2	6	0	10	18	14	6	0	90	0	0	0	0	0	0	1	0	1
Austin, [Van Nostrand]	29	1	2	0	24	3	27	2	2	90	4	0	0	0	7	0	6	1	18
Goliad	33	10	2	13	4	0	0	0	0	62	4	4	0	0	4	18	22	1	53
Larissa	3	4	6	21	5	4	14	24	6	87	2	0	0	0	1	7	4	4	18
New Braunfels	41	0	2	6	6	1	12	22	0	90									
Union Hill	37	4	2	12	21	3	3	3	5	90	17	0	0	13	14	3	6	3	56
Washington	14	0	1	4	10	0	0	0	5	34	2	1	1	2	1	0	0	0	7
TENNESSEE—																			
Glenwood	5	8	6	12	12	18	5	17	7	90	0	1	0	2	6	13	34	17	73
Memphis	6	4	8	3	13	17	24	15	0	90									
KENTUCKY—																			
Bardstown	11	3	8	3	1	23	33	5	0	87	4	1	11	1	0	19	39	2	77
Danville	7	8	8	2	1	30	28	6	0	90	2	1	0	1	0	53	11	3	71
Louisville	3	12	2	13	11	22	11	15	0	89	0	3	0	3	2	28	9	6	51
Paris	4	6	0	5	3	36	15	20	0	89	3	0	3	0	13	2	36	0	57
Springdale	3	14	1	0	2	32	9	11	18	90									
OHIO—																			
Avon	2	5	0	15	6	17	12	33	0	90	0	3	0	10	4	11	17	43	88
Bellefontaine	3	7	4	8	1	24	23	16	0	86	0	5	1	11	0	35	18	12	82
Bowling Green	4	8	3	3	2	28	13	7	21	89	1	0	3	0	1	14	9	19	47
Cincinnati, [Harper]	1	3	4	2	16	4	44	16	0	90	0	0	0	0	0	0	0	1	1
Cleveland	5	3	7	12	17	14	11	15	3	87	1	1	1	2	3	10	14	11	43
College Hill	17	13	4	4	9	7	18	14	4	90	11	10	14	11	16	7	2	6	77
Dayton	1	5	1	6	0	14	1	33	0	61	1	3	1	7	0	16	1	28	57
Edinburg	2	37	8	20	0	2	3	15	3	99	0	3	1	9	0	41	26	10	90
Hillsborough	0	17	0	8	0	23	2	38	0	88	0	0	0	0	0	3	1	3	7
Hiram	6	4	4	14	17	25	13	6	1	90	0	2	2	2	2	6	12	6	32
Hudson	0	3	14	6	4	23	21	15	0	89									
Jackson, (Monroe Co.)	8	0	9	4	14	0	0	0	41	76	2	0	0	0	1	2	0	0	5

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Jefferson	0	3	0	27	0	52	8	0	0	90	0	52	6	0	0	3	0	29	90
Lancaster	5	7	3	7	6	23	32	7	0	90	2	0	1	2	0	13	26	12	56
Madison, [Atkins]	0	4	2	7	13	13	11	20	20	90	0	0	1	0	0	1	4	2	8
Madison, [King]	0	6	3	6	1	32	3	35	4	90	1	2	0	4	5	30	19	29	90
Montville	7	6	4	12	9	18	7	26	0	89	5	5	4	11	2	1	7	19	54
New Lisbon	1	3	6	9	4	29	16	21	0	89	1	3	5	9	4	29	15	18	84
Northwood	5	7	9	11	7	19	15	17	0	90	3	0	0	3	4	20	9	23	62
Ripley	0	4	3	4	0	6	2	14	13	46	0	1	0	0	0	0	0	4	5
Savannah	1	1	1	15	0	18	20	34	0	90	0	0	0	12	0	20	16	37	85
Urbana	2	1	3	13	0	12	17	13	29	90	3	0	1	0	3	13	27	9	56
Welchfield	5	4	6	15	4	26	12	18	0	90	0	0	0	0	0	0	0	1	1
Westerville	5	0	7	3	2	22	35	11	0	85	4	0	6	1	1	21	37	7	77
Michigan—																			
Battle Creek	5	7	10	8	12	8	18	15	7	90	5	1	4	3	2	31	21	18	85
Cooper	0	0	0	0	0	4	47	8	31	90	0	4	6	18	8	17	12	1	66
Detroit	0	0	8	12	13	40	17	0	0	90	0	6	0	20	21	36	7	0	90
Grand Rapids, [Streng]	19	12	18	4	6	9	12	10	0	90	13	8	15	6	3	12	14	18	89
Lansing	9	6	8	7	4	7	8	21	0	70	5	7	1	1	4	19	18	19	74
Marquette	2	2	5	9	0	7	25	30	0	90	----	----	----	----	----	----	----	----	----
Monroe	0	3	0	24	0	36	0	27	0	90	0	3	0	24	0	36	0	26	89
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	6	6	21	1	11	12	32	89
Ottawa Point	10	25	1	4	5	25	6	44	0	120	0	5	15	14	8	13	2	1	58
Port Huron	9	9	2	3	5	16	13	18	2	77	2	1	1	1	1	6	6	4	22
Thunder Bay Island	3	20	26	9	3	12	9	36	2	120	4	7	0	3	0	5	2	5	26
Indiana—																			
Cannelton	2	1	2	18	14	22	18	13	0	90	3	1	2	4	5	23	11	7	61
Logansport	4	8	14	11	0	16	13	24	0	90	4	7	16	24	11	12	8	8	90
Madison	7	9	4	11	13	16	19	11	0	90	4	9	4	11	12	15	18	5	78
New Harmony	3	1	1	11	14	15	9	16	0	70	----	----	----	----	----	----	----	----	----
Notre Dame	1	7	18	7	1	19	21	6	10	90	5	2	3	1	3	1	10	5	30
Richmond, [Austin]	2	6	4	4	8	6	4	16	2	52	0	0	0	1	2	2	3	7	15
Richmond, [Moore]	0	2	14	4	5	6	29	6	24	90	----	----	----	----	----	----	----	----	----
Illinois—																			
Athens	1	13	1	14	2	25	3	25	0	84	0	0	0	0	0	3	5	9	17
Augusta	6	14	9	8	3	19	8	21	2	90	3	5	3	4	1	10	9	6	41
Aurora	9	10	6	9	9	14	11	22	0	90	0	0	4	9	8	12	18	13	64
Batavia, [Capon]	22	14	10	3	17	2	15	7	0	90	----	----	----	----	----	----	----	----	----
Batavia, [Mead]	0	20	0	8	0	29	4	29	0	90	0	17	0	6	0	31	3	24	81
Brighton	3	16	4	10	1	11	13	32	0	90	5	8	1	1	1	11	11	21	59
Edgington	6	19	2	8	5	12	3	35	0	90	6	19	2	11	4	10	2	28	82
Elgin	1	15	8	5	10	8	8	32	3	90	0	0	0	0	0	0	1	0	1
Jacksonville	0	2	3	6	1	7	9	2	0	30	----	----	----	----	----	----	----	----	----
Manchester	10	9	2	4	19	8	29	9	0	90	10	5	1	2	12	9	26	4	69
Marengo	0	5	6	16	1	45	9	7	1	90	----	----	----	----	----	----	----	----	----
Ottawa	----	----	----	----	----	----	----	----	----	----	0	0	1	2	1	8	1	12	25
Pekin	10	7	11	10	14	3	2	28	3	88	7	4	4	5	5	5	7	19	56
Peoria	2	29	12	2	2	5	24	14	0	90	1	0	0	0	0	0	1	2	4
Riley	14	7	7	3	7	0	15	14	11	78	----	----	----	----	----	----	----	----	----
South Pass	9	10	11	11	6	13	0	3	27	90	1	0	3	0	4	2	2	2	14
Upper Alton	0	8	0	2	1	14	20	45	0	90	0	9	0	2	0	16	19	43	89
Waynesville	10	4	16	0	8	1	40	0	10	89	1	2	3	0	3	0	14	0	23
West Salem	6	6	4	6	12	14	5	16	21	90	0	0	0	0	0	9	25	2	36
West Urbana	1	10	14	11	6	24	10	14	0	90	0	0	0	0	0	0	0	1	1
Wheaton	4	6	12	3	12	4	7	29	9	86	0	0	0	0	0	1	1	1	3
Winnebago	10	19	4	10	6	15	6	20	0	90	0	0	0	0	0	0	3	8	11
Missouri—																			
St. Louis	3	7	2	16	4	18	32	8	0	90	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	8	37	2	0	7	13	9	14	0	90	7	35	1	0	6	15	3	12	79
Bay City	2	34	3	0	13	18	7	13	0	90	2	17	2	1	0	3	5	3	33
Bayfield	0	24	0	4	0	9	1	22	0	60	2	29	0	2	0	9	3	15	60
Beloit	34	13	1	13	7	15	4	3	0	90	----	----	----	----	----	----	----	----	----

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Green Bay	22	20	14	0	2	7	1	2	22	90	5	5	9	0	1	4	1	0	25
Janesville	12	16	12	9	8	8	11	14	0	90	----	----	----	----	----	----	----	----	----
Kenosha	6	0	13	11	13	17	10	15	1	86	----	----	----	----	----	----	----	----	----
Madison	6	22	2	5	3	9	10	30	0	87	----	----	----	----	----	----	----	----	----
Manitowoc	16	12	4	4	2	6	13	33	0	90	1	2	3	1	0	2	7	5	21
Milwaukee, [Pomeroy]	0	34	3	13	2	10	5	23	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	8	13	3	14	1	2	10	39	0	90	----	----	----	----	----	----	----	----	----
Platteville	26	10	17	9	2	8	0	18	0	90	21	7	17	7	1	7	1	17	78
Warsaw	10	6	6	9	13	13	18	15	0	90	----	----	----	----	----	----	----	----	----
Waukesha	10	25	2	0	9	2	15	7	20	90	2	1	0	0	0	0	2	1	6
IOWA—																			
Bellevue	11	11	6	5	6	6	10	35	0	90	----	----	----	----	----	----	----	----	----
Border Plains	15	7	4	12	11	4	1	26	10	90	0	0	0	0	0	0	2	4	6
Dubuque	21	13	7	6	13	3	2	9	16	90	2	3	0	14	3	8	2	2	34
Fairfield	2	9	0	11	0	9	1	37	21	90	1	0	0	0	0	1	1	0	3
Fort Madison	4	15	3	13	0	17	0	38	0	90	6	8	8	6	1	7	12	18	66
Iowa City	13	4	2	15	4	6	2	29	0	75	----	----	----	----	----	----	----	----	----
Muscatine	21	12	6	3	6	4	22	16	0	90	0	2	0	0	0	4	2	0	8
Pleasant Plain	3	17	4	7	6	13	8	28	1	87	0	0	0	0	4	4	1	1	10
Rossville	19	10	12	2	4	5	8	20	8	88	----	----	----	----	----	----	----	----	----
Sioux City	31	2	0	0	23	2	2	21	0	81	3	1	0	1	4	0	0	3	12
MINNESOTA—																			
Beaver Bay	34	24	0	5	6	19	0	2	0	90	9	6	3	2	5	19	2	2	48
Burlington	11	17	7	2	13	5	3	32	0	90	7	14	12	8	16	4	4	16	81
Forest City	15	1	2	4	11	1	7	7	40	88	----	----	----	----	----	----	----	----	----
Hazlewood	19	12	7	12	13	7	6	14	0	90	10	16	12	10	2	1	0	0	51
Lapham	14	1	3	1	6	0	3	2	0	30	----	----	----	----	----	----	----	----	----
Princeton	16	26	1	11	5	7	3	11	3	83	12	0	0	3	30	1	15	1	62
Stillwater	28	11	1	4	1	6	3	9	27	90	12	13	1	4	1	1	2	32	65
NEBRASKA—																			
Bellevue	44	8	0	6	22	0	0	8	0	88	20	4	0	0	6	3	0	9	42
Brownville	6	8	0	1	5	11	2	57	0	90	2	8	0	1	4	6	1	50	72
Elkham	23	9	2	12	16	3	2	21	2	90	0	0	0	1	0	0	1	1	3
KANSAS—																			
Burlingame	33	2	1	9	5	2	2	14	22	90	----	----	----	----	----	----	----	----	----
Lawrence	29	0	2	3	19	2	6	26	3	90	----	----	----	----	----	----	----	----	----
Leavenw'h C'y, [Berthoud]	23	21	1	8	0	8	4	25	0	90	16	15	5	14	0	3	3	28	84
Leavenw'h C'y, [McCarty]	24	13	1	3	19	3	2	22	3	90	20	5	0	0	3	1	8	19	56
Manhattan	26	2	3	4	5	6	1	23	20	90	19	3	1	4	2	7	2	22	60
MEXICO—																			
Cordova	14	10	4	1	6	5	2	16	2	60	----	----	----	----	----	----	----	----	----
Minatitlan	6	26	1	4	5	7	0	2	9	60	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	12	0	0	0	54	18	0	5	0	89	----	----	----	----	----	----	----	----	----
Sacramento	35	8	12	17	2	3	1	12	0	90	0	0	0	6	0	14	2	5	27
San Francisco	11	3	0	0	3	3	10	5	55	90	7	3	1	0	3	6	20	6	46
WEST INDIES—																			
Nassau, Bahamas	6	16	6	7	0	3	0	14	0	52	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	3	31	22	22	7	5	0	0	0	90	0	11	35	12	1	0	0	0	59
Chanarcillo, Chili	4	3	7	7	14	17	8	3	0	63	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Jerusalem, Palestine	1	2	1	13	4	1	7	12	49	90	1	0	0	4	3	0	3	7	18

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	11	18	0	5	8	2	15	24	10	93	6	14	0	5	8	3	9	13	58
Red River Settlement	4	1	5	5	14	11	5	7	26	78	4	3	2	2	2	2	2	5	22
Rigolet	6	0	3	0	0	0	1	41	11	62									
St. John's	29	6	0	0	2	13	9	34	0	93	40	6	0	0	5	9	5	27	92
St. Martin	0	26	2	15	2	19	15	14	0	93									
Stanbridge	2	6	8	25	18	3	16	6	9	93									
Toronto	2	25	4	10	0	21	4	20	7	93									
Windsor	16	5	2	1	3	10	11	28	13	89	0	1	0	0	0	0	0	0	1
Wolfville	1	3	5	1	3	1	19	44	16	93	5	4	3	0	0	2	14	31	62
MAINE—																			
Cornish, [Guptill]	3	4	0	5	12	2	2	65	0	93									
Cornish, [West]	9	13	11	0	2	28	20	10	0	93	0	0	0	0	0	0	4	1	5
Dexter	5	13	5	2	4	2	11	37	14	93									
Gardiner	3	26	1	15	0	11	4	21	12	93	1	1	0	0	0	5	2	8	17
Perry	10	7	1	2	3	8	12	48	0	91	2	1	1	1	0	4	8	22	39
Portland	27	13	0	1	4	11	17	19	0	92	0	0	0	0	0	4	10	3	17
Steuben	1	29	0	1	0	14	4	42	2	93	0	2	0	1	0	6	9	11	29
NEW HAMPSHIRE—																			
Shelburne	0	0	15	0	0	0	57	0	9	81	0	0	1	2	0	4	23	18	48
Stratford	1	9	19	2	12	11	22	10	7	93	0	4	10	3	3	7	25	9	61
West Enfield	0	0	0	13	18	15	4	39	1	90	0	0	0	12	8	15	5	26	66
VERMONT—																			
Brandon	28	0	6	4	30	5	5	12	3	93	1	0	0	0	0	2	4	23	30
Burlington	4	4	1	2	13	8	0	16	0	48									
Craftsbury	2	12	3	16	27	7	4	21	1	93	1	0	0	0	0	4	14	6	25
Rupert											6	2	1	12	2	39	4	2	68
St. Johnsbury	36	0	0	1	19	1	13	22	1	93	1	0	0	0	0	0	9	0	10
MASSACHUSETTS—																			
Amherst	4	4	0	18	5	4	3	49	0	87	0	0	0	0	0	1	10	11	22
Bridgewater	9	8	7	7	6	7	38	11	0	93	0	2	2	3	2	3	8	3	23
Cambridge	8	11	1	5	2	26	15	14	11	93									
Danvers	11	8	2	7	5	8	5	29	10	85									
Florida	0	6	3	15	0	14	37	18	0	93	0	2	4	12	0	19	30	17	84
Lawrence	1	14	3	4	1	15	4	51	0	93									
Mendon	0	20	1	2	2	37	1	30	0	93	0	19	2	3	0	32	3	18	77
Nantucket	7	9	2	9	10	8	13	31	4	93									
New Bedford	6	11	3	8	1	20	7	37	0	93	0	3	0	0	0	1	4	6	14
Newburyport	1	1	4	1	3	4	5	3	0	22	0	0	0	0	0	1	0	1	2
Richmond	0	18	0	15	0	19	0	41	0	93	1	16	0	17	1	22	1	18	76
Westfield	15	20	2	10	2	7	17	19	0	92									
Williamstown	2	1	25	6	4	4	23	26	2	93									
Worcester	15	20	3	3	3	10	14	23	2	93	1	0	1	1	0	8	11	9	31
RHODE ISLAND—																			
Providence	1	15	5	5	1	20	3	43	0	93									
CONNECTICUT—																			
Columbia	1	25	0	1	5	11	2	35	13	93	0	5	0	2	3	7	0	19	36
Middletown	16	11	0	3	0	16	5	26	16	93	0	1	1	0	0	11	20	6	39
Pomfret	4	21	1	4	4	19	2	38	0	93	1	18	1	2	2	8	6	22	60
Saybrook	10	17	6	3	0	4	15	30	8	93	1	4	4	3	2	4	13	8	39
Wallingford	27	15	1	3	10	15	3	19	0	93	0	1	2	1	0	4	10	6	24
NEW YORK—																			
Baldwinsville	0	4	24	5	2	13	20	25	0	93	0	0	2	5	1	0	48	21	77
Beverly	4	18	0	9	1	36	0	24	0	92	1	7	2	6	6	30	13	8	73
Cazenovia	4	2	0	13	11	13	9	38	2	92	6	0	0	12	9	8	12	30	77
Covert	2	1	0	39	2	3	12	26	8	93	0	0	0	5	5	2	13	11	37
Eden	1	2	4	15	56	6	8	0	1	93	0	0	0	0	0	7	26	0	33
Morrisania	11	18	1	5	9	19	18	12	0	93									
Nichols	13	1	2	26	27	2	3	19	0	93	9	0	0	7	12	11	5	21	65
Ogdensburg	6	7	1	0	6	3	7	1	0	31									
Oswego	8	4	17	18	17	6	20	3	0	93									
Rochester	3	5	14	5	7	6	21	1	0	62	3	1	10	3	3	1	37	9	67
Sag Harbor	10	15	8	2	6	19	16	17	0	93	1	1	1	1	1	2	18	5	30

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Saratoga	0	45	0	0	0	37	1	10	0	93	0	47	0	0	0	34	1	11	93
Wampsville	0	2	28	2	6	5	49	1	0	93	0	2	30	3	5	5	44	1	90
NEW JERSEY—																			
Lambertville	3	17	3	4	2	15	1	34	0	79									
Newark	4	22	0	1	0	15	4	16	0	62									
PENNSYLVANIA—																			
Bellefonte	13	5	5	4	8	15	22	9	10	91	6	2	7	17	5	1	4	0	42
Berwick	5	1	35	7	2	6	26	11	0	93									
Cannonsburg	2	2	21	3	0	25	29	11	0	93									
Carlisle	0	5	7	12	1	8	7	8	21	69	0	4	3	2	0	10	6	5	30
Chambersburg	1	5	19	22	3	5	4	1	17	77	3	5	4	0	2	12	16	21	63
Chromedale	0	8	7	16	3	28	7	24	0	93									
Easton	12	17	0	13	7	4	7	31	2	93									
Fleming	1	4	14	19	0	7	13	35	0	93	1	0	5	9	0	1	18	26	60
Gettysburg	5	25	4	0	18	18	9	13	1	93	1	0	0	0	7	18	22	13	61
Harrisburg, [Heisely]	1	1	12	30	5	0	13	31	0	93	0	0	0	1	1	0	7	14	23
Harrisburg, [Hickok]	9	23	12	2	5	2	32	7	1	93	0	0	0	0	0	1	4	0	5
Lewisburg	12	4	1	5	6	6	10	11	38	93	0	0	0	0	0	3	5	5	13
Linden	1	7	15	2	1	0	13	3	4	46									
Morrisville	4	19	14	6	3	22	10	14	1	93	3	13	10	3	4	19	17	8	77
Mount Joy	0	0	0	12	3	2	1	22	53	93	0	0	1	0	0	2	1	0	4
Murrysville	0	6	19	5	1	33	10	5	13	92	0	0	1	3	3	22	8	10	47
Norristown	0	5	16	5	0	10	40	5	0	81	1	1	11	3	0	15	38	0	69
North Whitehall	0	11	2	0	0	4	3	16	57	93	0	0	0	0	0	5	7	11	23
Philadelphia	0	29	3	2	1	20	9	29	0	93	0	0	0	0	0	9	5	8	22
Pittsburg, [M. H.]	3	1	18	10	17	8	20	9	7	93	0	0	4	0	3	18	19	0	44
Pocopson	8	13	12	3	2	15	22	12	6	93	4	0	0	0	0	5	21	4	34
Shamokin	0	1	55	0	1	1	34	1	0	93	0	0	0	0	0	0	74	0	74
Somerset	0	0	0	7	17	13	25	9	22	93	0	0	0	4	0	17	32	6	59
Tarentum	7	5	2	6	2	20	9	6	36	93	0	0	1	2	4	25	23	7	62
West Haverford	1	4	13	3	3	9	10	17	2	62	1	1	1	0	0	2	14	17	36
Westtown	4	15	7	16	3	10	3	35	0	93	1	0	1	0	0	1	3	16	22
MARYLAND—																			
Annapolis	7	18	8	3	22	12	0	12	11	93	1	0	0	0	0	16	0	1	18
Baltimore	18	7	9	5	18	0	13	21	2	93	0	0	0	0	0	0	1	0	1
Bladensburg	3	11	5	4	3	8	5	13	0	52									
Chestertown	7	8	9	7	16	7	9	20	0	83	0	2	0	0	0	0	0	4	6
Frederick	4	24	1	5	4	16	14	8	15	91	0	0	0	0	2	4	19	5	30
Leitersburg	5	2	3	8	13	21	19	9	13	93	0	2	1	3	7	13	25	15	66
Leonardtown	16	13	5	8	8	19	9	15	0	93	2	0	0	0	0	0	5	32	39
Sykesville	2	19	8	15	5	14	19	11	0	93	0	4	15	6	3	6	46	0	80
DISTRICT OF COLUMBIA—																			
Washington	8	13	3	6	11	9	2	18	22	92	0	0	0	0	0	0	4	1	5
VIRGINIA—																			
Crichton's Store	20	13	6	6	22	9	8	5	2	91	0	0	0	0	0	4	3	0	7
Lewinsville	9	11	6	23	8	6	3	27	0	93									
Lewisburg	9	19	0	7	1	50	0	4	0	90									
Point Pleasant	1	0	60	0	15	0	17	0	0	93	5	0	30	0	15	0	30	0	80
Poplar Grove	0	0	15	6	1	4	25	6	24	81	0	0	0	1	3	30	17	3	54
Portsmouth	7	25	11	9	4	15	3	16	0	90									
Rougemont	15	17	12	2	16	11	11	5	3	92	4	0	0	0	3	6	8	1	22
Smithfield	20	12	1	4	12	16	6	8	0	79	2	0	0	0	0	6	11	7	26
Stribling Springs	3	9	0	1	4	56	0	19	0	92	1	0	0	0	2	33	0	4	40
Winchester	0	0	2	0	0	0	8	4	78	92									
Wirt Court-House	0	1	0	4	2	35	2	38	11	93	1	0	0	0	0	43	2	27	73
NORTH CAROLINA—																			
Chapel Hill	16	26	2	5	17	14	8	5	0	93	2	6	3	0	2	25	4	1	43
Davidson College	2	55	0	0	1	32	2	1	0	93	0	7	0	1	1	50	0	1	60
Goldsborough	26	12	1	3	5	22	5	2	14	90	0	0	0	0	0	1	1	0	2
Murfreesborough	5	18	4	6	1	14	12	10	23	93	1	7	2	1	0	9	21	7	48
SOUTH CAROLINA—																			
Aiken	1	6	10	0	12	2	4	1	0	36									

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—Continued																			
All Saints	12	11	11	7	10	32	7	3	0	93	1	2	4	1	2	48	8	1	67
Charleston, [Dawson]	0	20	5	13	1	18	2	3	0	62	----	----	----	----	----	----	----	----	----
Charleston, [Johnson]	2	13	0	2	1	8	1	4	0	31	----	----	----	----	----	----	----	----	----
Columbia	7	11	6	3	10	13	5	7	0	62	1	0	0	0	2	2	5	0	10
St. John's	6	21	2	12	2	29	4	7	0	83	5	0	0	0	0	7	13	7	32
GEORGIA—																			
Savannah	3	30	2	6	16	15	4	7	0	83	0	0	0	0	1	0	0	0	1
Sparta	5	27	4	9	5	26	6	11	0	93	0	8	1	1	1	21	13	4	49
Thomson	2	34	0	14	1	18	1	12	0	82	----	----	----	----	----	----	----	----	----
Whitemarsh Island	5	29	1	2	15	11	1	5	23	92	1	4	1	1	5	12	6	5	35
FLORIDA—																			
Alachua County	2	22	1	13	3	19	0	12	0	72	----	----	----	----	----	----	----	----	----
Alligator	11	31	0	9	5	13	1	5	18	93	1	7	2	2	2	14	3	0	31
Atsena	10	37	5	17	5	7	3	4	5	93	7	30	2	11	5	10	3	2	70
Belair	2	20	28	17	1	0	0	2	13	83	1	2	2	3	1	32	16	11	68
Jacksonville	14	26	1	6	14	14	4	14	0	93	8	15	3	3	9	22	3	14	77
Micanopy	5	16	5	4	4	3	1	5	18	61	0	1	0	0	0	2	0	0	3
St. Augustine	6	43	12	14	1	15	0	2	0	93	4	41	7	12	1	12	0	2	79
Salt Ponds	6	16	23	6	8	1	0	2	0	62	----	----	----	----	----	----	----	----	----
ALABAMA—																			
Carlowville	8	8	8	15	19	11	12	6	0	87	0	0	8	6	4	12	6	0	36
Greene Springs	6	3	5	28	3	4	7	8	18	82	2	0	0	1	1	10	28	4	46
Greensborough	12	6	6	32	14	4	2	8	0	84	0	1	5	3	4	10	24	4	51
Montgomery	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	60	18	4	82
Selma	36	2	3	19	18	14	1	0	0	93	3	1	1	14	8	20	13	22	82
MISSISSIPPI—																			
Columbus	11	9	12	17	20	6	7	11	0	93	1	0	3	1	7	16	20	0	48
Natchez	26	11	1	22	17	8	1	7	0	93	1	0	0	0	0	18	7	3	29
Paulding	1	21	3	17	3	23	2	22	0	92	0	12	0	6	3	37	11	17	86
LOUISIANA—																			
New Orleans	0	50	0	17	0	8	0	18	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm]	13	15	15	11	13	10	15	1	0	93	0	0	0	1	0	0	0	0	1
Austin, [Van Nostrand]	32	3	3	0	27	2	18	5	3	93	6	2	0	0	15	23	9	0	55
Goliad	54	8	1	25	0	0	2	3	0	93	21	2	1	6	7	21	23	4	85
Larissa	6	7	11	24	4	8	7	19	5	91	0	0	0	0	1	10	3	0	14
New Braunfels	52	1	2	2	10	4	15	7	0	93	----	----	----	----	----	----	----	----	----
Union Hill	28	17	6	14	21	1	0	3	3	93	18	18	4	8	29	2	1	3	83
Washington	25	0	0	1	38	0	0	2	24	90	3	3	1	2	1	1	0	0	11
TENNESSEE—																			
Glenwood	8	4	3	28	17	12	5	9	7	93	0	0	0	4	6	22	21	7	60
Memphis	11	7	7	26	12	6	10	12	1	92	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Bardstown	7	0	1	5	15	30	18	16	0	92	2	0	3	1	9	30	12	11	68
Danville	0	3	3	4	19	37	19	8	0	93	0	0	0	0	1	47	7	4	59
Louisville	3	10	7	18	16	15	14	10	0	93	0	0	0	0	1	26	8	1	36
Paris	0	9	0	3	29	29	9	12	0	91	1	0	1	0	10	10	21	0	43
Springdale	1	8	2	2	15	24	12	6	23	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Avon	0	4	2	16	16	21	18	15	1	93	0	2	0	7	5	25	31	11	81
Bellefontaine	1	8	6	18	1	20	24	14	0	92	0	1	2	13	0	47	15	7	85
Bowling Green	3	9	4	11	5	27	5	7	21	92	1	1	1	4	0	25	9	11	52
Cincinnati, [Harper]	3	3	3	4	22	24	17	17	0	93	----	----	----	----	----	----	----	----	----
Cleveland	4	5	4	28	22	4	13	13	0	93	2	1	0	2	1	13	18	6	43
Edinburg	1	58	10	17	0	0	0	7	0	93	0	0	0	4	0	44	25	5	78
Hillsborough	0	11	0	25	0	38	0	19	0	93	0	0	0	0	0	2	0	1	3
Hiram	2	0	2	15	17	15	11	12	0	74	1	2	0	0	0	7	8	6	24
Hudson	1	4	10	14	7	17	10	9	0	72	----	----	----	----	----	----	----	----	----
Jackson, (Monroe county)	4	8	3	6	8	2	0	2	42	75	----	----	----	----	----	----	----	----	----
Jefferson	0	15	0	0	0	19	20	39	0	93	0	16	22	40	0	15	0	0	93
Lancaster	3	2	7	17	23	18	20	3	0	93	0	3	3	0	1	25	22	5	59
Madison, [Atkins]	4	3	0	10	16	12	9	2	28	84	0	0	0	0	0	1	6	0	7

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Madison, [King]	1	9	2	22	8	25	8	18	0	93	0	1	0	2	2	34	23	22	84
Montville	10	4	0	24	17	24	2	12	0	93	0	0	0	2	2	16	15	10	45
New Lisbon	0	3	7	21	8	24	21	9	0	93	0	2	3	18	8	19	18	7	75
Northwood	0	1	2	23	4	32	10	21	0	93	0	0	0	1	1	19	8	12	41
Ripley	0	7	3	18	0	4	3	12	26	73	0	0	0	0	0	0	2	8	10
Savannah	0	1	0	20	0	30	22	20	0	93	0	0	0	12	0	34	18	17	81
Urbana	0	2	2	5	16	17	16	4	26	88	1	1	0	0	12	13	27	3	57
Welchfield	5	5	5	25	2	28	13	10	0	93	0	0	0	0	0	2	0	0	2
Westerville	2	1	0	8	14	32	16	16	1	90	1	0	1	3	14	28	22	6	75
Michigan—																			
Battle Creek	1	6	11	13	9	12	33	7	1	93	1	3	6	1	1	30	37	7	86
Cooper	0	0	8	0	6	4	51	1	23	93	1	5	19	22	0	3	8	1	59
Detroit	0	1	5	27	10	36	14	0	0	93	0	0	0	23	12	35	21	2	93
Grand Rapids	3	14	16	17	6	16	17	4	0	93	1	9	10	7	3	14	47	8	99
Lansing	1	9	12	7	5	23	26	7	0	90	2	7	7	6	5	24	21	4	76
Marquette	3	6	4	27	2	5	31	15	0	93	----	----	----	----	----	----	----	----	----
Monroe	0	0	3	18	0	59	9	4	0	93	0	0	3	18	0	57	8	4	90
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	4	3	8	1	24	31	12	83
Ottawa Point	7	12	4	27	9	34	8	23	0	124	3	16	14	4	0	0	3	3	43
Port Huron	4	4	3	16	11	25	12	12	2	89	0	1	0	2	4	24	11	8	50
Thunder Bay Island	13	6	5	28	17	11	11	28	5	124	5	1	1	3	2	3	3	2	20
Indiana—																			
Cannelton	7	1	0	33	21	8	15	7	1	93	1	1	0	4	12	15	5	1	39
Logansport	2	15	10	16	0	18	16	16	0	93	0	9	19	19	2	8	10	6	73
Madison	3	7	7	27	13	10	14	12	0	93	0	5	1	20	13	8	12	2	61
New Harmony	7	0	1	10	25	16	7	5	0	71	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	0	0	10	6	5	25	12	6	25	89	----	----	----	----	----	----	----	----	----
Illinois—																			
Athens	1	17	0	23	2	27	3	17	0	90	0	0	0	0	0	12	7	10	29
Augusta	1	16	4	21	6	20	12	12	1	93	2	4	2	5	2	7	10	7	39
Aurora	10	9	1	18	20	13	20	2	0	93	1	1	0	1	7	9	39	0	58
Batavia, [Capon]	3	22	2	15	9	20	17	5	0	93	----	----	----	----	----	----	----	----	----
Batavia, [Mead]	0	24	0	18	0	34	8	9	0	93	0	18	0	9	0	35	6	11	79
Brighton	2	4	3	31	10	7	11	25	0	93	1	5	4	28	5	7	2	10	62
Edgington	2	22	3	17	9	15	4	21	0	93	2	20	0	12	5	12	2	13	66
Elgin	6	5	8	22	8	14	10	17	3	93	----	----	----	----	----	----	----	----	----
Jacksonville	1	1	1	7	3	7	6	5	0	31	----	----	----	----	----	----	----	----	----
Manchester	5	6	3	1	36	11	24	7	0	93	3	4	2	0	28	3	14	2	56
Marengo	0	5	4	27	8	40	8	1	0	93	----	----	----	----	----	----	----	----	----
Ottawa	0	16	1	14	4	18	11	15	2	81	1	0	0	0	0	4	6	4	15
Pekin	8	11	5	12	28	6	3	18	1	92	1	2	1	4	3	12	15	8	46
Peoria	4	12	10	3	3	12	45	4	0	93	0	0	0	0	0	2	0	0	2
Riley	1	10	6	18	5	4	29	16	3	92	----	----	----	----	----	----	----	----	----
Sandwich	5	12	5	15	16	26	6	8	0	93	----	----	----	----	----	----	----	----	----
South Pass	3	6	5	6	31	12	2	1	25	91	0	0	0	1	2	4	9	5	21
Waynesville	6	0	17	6	24	12	25	2	1	93	0	0	0	0	3	2	7	0	12
West Salem	4	5	3	13	35	2	4	11	16	93	0	0	0	0	1	26	14	0	41
West Urbana	0	12	3	24	19	17	3	15	0	93	0	0	0	0	0	4	0	1	5
Wheaton	6	6	8	14	8	13	17	13	5	90	0	0	0	1	0	4	5	1	11
Winnebago	4	15	7	19	5	26	7	10	0	93	0	0	0	0	0	8	10	5	23
Upper Alton	1	7	0	3	4	46	9	23	0	93	0	8	0	4	4	45	10	23	94
Missouri—																			
St Louis	3	3	4	34	11	13	18	7	0	93	----	----	----	----	----	----	----	----	----
Wisconsin—																			
Appleton	8	26	0	4	6	35	5	9	0	93	8	23	0	7	6	30	4	8	86
Bay City	2	17	5	0	10	43	2	13	0	92	0	5	0	0	3	17	2	2	29
Bayfield	0	11	0	10	0	19	0	21	1	62	0	15	0	10	0	21	1	14	61
Beloit	9	4	10	9	17	14	28	2	0	93	----	----	----	----	----	----	----	----	----
Janesville	5	9	7	9	25	7	27	1	3	93	----	----	----	----	----	----	----	----	----
Kenosha	1	3	8	6	20	14	32	4	2	90	----	----	----	----	----	----	----	----	----
Madison	5	8	3	9	10	18	12	13	0	78	0	0	0	0	0	0	1	0	1
Manitowoc	6	1	3	13	11	19	14	26	0	93	0	0	0	0	0	3	14	4	21

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Milwaukee, [Pomeroy]	0	7	4	21	0	15	22	24	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	7	3	6	11	3	16	21	26	0	93	----	----	----	----	----	----	----	----	----
Platteville	0	9	4	26	5	12	28	9	0	93	3	9	1	13	4	15	21	6	72
Warsaw	3	5	3	14	30	28	9	1	0	93	----	----	----	----	----	----	----	----	----
Waukesha	8	3	4	0	7	11	13	12	33	91	0	0	1	0	0	0	2	0	3
IOWA—																			
Bellevue	7	6	6	14	6	11	27	15	0	92	----	----	----	----	----	----	----	----	----
Border Plains	4	2	0	18	13	5	6	40	5	93	0	0	0	0	0	1	8	1	10
Dubuque	10	10	0	11	20	5	2	16	19	93	3	0	0	0	1	10	7	5	26
Fairfield	0	6	0	18	0	9	1	23	36	93	0	1	0	0	0	0	0	0	1
Fort Madison	2	13	2	10	1	39	2	24	0	93	1	3	0	2	2	14	17	6	45
Iowa City	5	7	2	29	4	14	4	27	0	92	----	----	----	----	----	----	----	----	----
Muscatine	4	3	0	1	30	21	23	11	0	93	0	0	0	0	0	8	2	0	10
Pleasant Plain	5	11	2	15	14	20	8	17	1	93	0	0	0	0	0	8	11	1	20
Rossville	11	4	8	16	13	7	15	16	3	93	----	----	----	----	----	----	----	----	----
Sioux City	8	0	1	0	5	0	0	28	0	42	0	0	0	0	0	0	0	3	3
MINNESOTA—																			
Beaver Bay	14	13	4	2	2	32	11	12	3	93	2	17	3	3	5	9	1	0	40
Burlington	12	2	13	3	15	5	9	34	0	93	8	2	13	3	17	3	12	29	87
Forest City	3	4	5	6	5	5	2	12	51	93	----	----	----	----	----	----	----	----	----
Hazlewood	4	5	1	6	25	3	12	37	0	93	2	2	4	6	1	0	3	4	22
Lapham	13	0	11	0	0	0	7	0	0	31	----	----	----	----	----	----	----	----	----
Princeton	12	3	21	12	10	3	24	5	3	93	12	0	10	0	3	0	19	0	44
NEBRASKA—																			
Bellevue	36	1	2	1	28	10	8	6	1	93	5	0	0	0	2	1	5	3	16
Brownville	3	0	1	1	3	25	5	55	0	93	1	0	0	1	1	15	1	25	44
Elkham	9	7	3	14	15	13	8	22	2	93	0	0	0	1	0	0	0	0	1
Gilbert's Trading Post	4	2	0	2	4	22	24	0	0	58	4	7	20	3	1	0	0	0	35
Omaha	3	4	2	8	18	6	7	23	22	93	0	2	2	5	13	6	5	14	47
KANSAS—																			
Burlingame	21	1	0	1	22	7	2	9	30	93	----	----	----	----	----	----	----	----	----
Lawrence	29	4	5	3	26	6	4	7	5	89	----	----	----	----	----	----	----	----	----
Leavenw'hCity, [Berthoud]	12	13	3	6	10	33	4	7	5	93	9	12	0	2	10	19	2	9	63
Leavenw'h City, [McCarty]	23	9	2	3	21	17	4	9	2	90	8	0	0	0	1	9	8	1	27
Manhattan	9	7	1	2	17	13	1	6	37	93	6	3	0	0	14	10	6	3	42
MEXICO—																			
Cordova	15	17	2	0	8	12	2	6	0	62	----	----	----	----	----	----	----	----	----
Minatitlan	6	22	0	4	12	4	1	1	12	62	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	10	0	0	12	21	29	0	21	0	93	----	----	----	----	----	----	----	----	----
Sacramento	29	4	5	23	9	6	0	17	0	93	0	0	0	14	0	19	4	7	44
San Francisco	11	2	1	0	13	15	2	2	47	93	7	0	4	0	15	10	23	6	65
WEST INDIES—																			
Nassau, Bahamas	0	13	14	8	8	6	0	3	0	52	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	0	25	20	20	4	0	0	0	0	69	0	15	32	8	0	0	0	0	55
Chanarcillo, Chili	1	5	2	7	8	76	2	2	0	103	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Jerusalem, Palestine	2	7	19	10	5	8	15	1	0	67	0	4	6	4	5	9	15	0	43

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1858.*

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
BRITISH AMERICA—													
King-ton	?1.620	?1.450	?2.200	2.300	2.610	3.080	4.530	3.390	2.500	1.810	?1.210	?2.040	?28.770
Montreal	3.180	2.590	2.641	2.090	3.400	3.730	6.090	3.420	4.200	3.800	1.660	1.670	38.471
St. John's	3.550	?1.550	0.710	.....	6.320	3.890	3.310	4.510	3.180	5.970	3.402	2.000	.....
St. Martin	1.710	1.760	1.210	2.832	5.378	8.656	12.214	4.023	.....	3.090	.....	1.176	.....
Toronto	?1.552	?2.670	?0.990	1.652	6.367	3.151	3.072	3.890	0.735	1.797	?4.279	?2.697	?32.852
Windsor	.....	.....	.....	?1.580	2.170	1.240	3.330	2.080	1.660	.....	?	...	.....
Wolfville	?1.375	?1.000	?	4.150	2.150	.....	.....	4.210	2.850	0.820	?	3.885	.....
MAINE—													
Cornish, [Guptill]	4.250	2.100	1.820	3.970	3.250	2.600	8.230	3.440	5.150	2.150	2.700	2.450	42.110
Cornish, [West]	.....	.....	.....	.....	3.937	?4.375	?7.500	?3.500	.....	?5.625	?2.362	.....	.....
Dexter	.....	.....	.....	.....	.....	?0.750	?6.125	.....	?3.250	.....	.....	.....	.....
East Exeter	?3.225	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gardiner	3.311	2.332	3.162	4.440	3.020	2.516	6.431	7.253	3.740	5.060	2.907	2.870	47.042
Perry	?4.000	?1.200	?3.200	4.350	3.300	0.920	4.780	3.360	2.280	5.180	?1.350	?2.210	.....
Portland	4.020	2.513	1.665	3.830	3.679	2.150	5.583	4.693	3.815	5.606	1.975	4.919	.....
Steuben	?4.080	.....	?3.470	.....	4.030	1.375	7.235	2.515	2.520	4.580	?1.150	?3.050	.....
NEW HAMPSHIRE—													
Concord, [Colby]	.....	.....	?0.412	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Concord, [Sawyer]	3.000	2.010	1.100	2.600	3.600	1.250	4.400	4.700	5.100	.....	.....	.....	.....
Laconia	3.250	1.950	1.760	3.200	3.220	2.380	4.670	4.140	5.050	6.980	2.350	3.580	42.550
Lake Village	2.870	1.890	1.620	3.140	3.240	2.800	4.710	4.100	4.950	5.990	2.960	3.460	41.730
Shelburne	.....	.....	.....	.....	.....	.....	.....	.....	.....	?5.100	.....	.....	.....
Stratford	.....	.....	.....	3.210	3.670	2.950	4.360	4.200	4.930	5.720	?2.840	?2.600	.....
West Enfield	3.200	0.530	?	?2.550	?3.250	2.270	2.120	3.110	5.120	7.610	3.990	1.745	.....
VERMONT—													
Brandon	1.830	0.610	1.480	2.255	3.560	3.875	4.800	2.955	2.965	3.585	2.640	2.375	32.930
Burlington	?1.610	.....	.....	1.820	2.680	2.270	4.650	2.120	2.510	2.620	?2.400	.....	.....
Craftsbury	1.900	1.400	2.000	2.670	3.450	4.120	3.950	4.850	4.400	4.210	3.100	2.350	38.400
St. Johnsbury	.....	?1.390	?	2.510	3.150	4.361	5.730	5.422	.....	5.780	.....	.....	.....
Woodstock	2.160	1.400	0.820	1.900	3.440	2.660	5.400	2.540	5.340	4.170	3.380	2.490	35.700
MASSACHUSETTS—													
Amherst	3.519	1.604	0.795	3.197	2.981	5.620	6.726	4.820	4.135	3.856	2.158	3.161	42.572
Bridgewater	?2.750	?2.180	2.436	3.395	2.521	3.488	3.519	.....	?1.225	2.491	2.308	1.156	.....
Cambridge	3.439	1.862	1.767	3.809	3.714	7.552	4.360	5.566	4.940	2.871	2.373	3.040	45.293
Canton	3.437	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence	2.790	1.806	2.470	3.090	3.300	4.900	3.990	4.850	4.050	3.300	1.700	5.020	41.360
Mendon	.....	.....	.....	?2.700	?4.000	?6.000	?2.900	?4.080	?5.400	?2.200	?1.575	5.800	.....
Nantucket	4.421	1.631	2.805	4.325	2.431	1.982	4.565	4.861	2.455	3.580	3.705	5.783	41.914
New Bedford	2.190	1.140	2.030	3.310	2.270	5.130	6.815	4.960	3.130	3.140	3.680	4.600	42.425
Newburyport	.....	.....	.....	.....	2.870	?4.570	3.510	?6.500	.....	.....	.....	.....	.....
Springfield	.....	.....	.....	.....	.....	5.500	3.970	3.740	.....	.....	.....	.....	.....
Westfield	3.410	2.200	1.070	3.530	3.300	4.200	5.080	6.250	4.040	3.750	2.410	3.880	43.120
Williamstown	2.990	?1.000	1.065	2.212	3.542	2.820	4.370	5.766	2.968	3.150	3.107	1.740	31.760
Worcester	?3.100	.....	.....	.....	.....	.....	.....	.....	5.700	3.100	.....	?4.215	.....
RHODE ISLAND—													
Providence	3.330	2.800	2.050	3.630	2.350	5.550	4.900	8.200	3.050	2.800	2.400	3.450	.....
CONNECTICUT—													
Middletown	.....	.....	.....	.....	.....	.....	.....	.....	4.940	2.830	3.060	3.480	.....
New London	3.020	?2.960	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pomfret	2.950	1.510	3.000	4.120	2.580	4.220	5.370	6.230	5.050	2.755	1.420	2.630	41.835
Saybrook	3.010	2.850	?2.040	3.250	3.140	6.401	1.800	3.470	4.470	?	4.980	4.220	.....
Wallingford	3.130	1.920	1.570	3.870	2.620	5.080	3.260	4.020	5.180	3.290	3.230	4.470	41.640
NEW YORK—													
Bellport	.....	.....	1.195	4.130	1.420	4.600	.....	2.350	6.640	.....	?4.820	.....	.....
Beverly	1.906	0.893	0.915	4.420	5.430	4.806	5.070	4.490	2.180	3.250	4.440	4.660	42.460
Buffalo	.....	2.439	1.692	2.167	4.400	4.705	4.655	2.377	4.319	4.675	5.111	3.868	.....
Canton	.....	.....	.....	1.730	2.380	3.607	5.600	?3.480	2.928	.....	.....	.....	.....
Cazenovia	2.580	2.480	1.490	.....	.....	.....	.....	3.190	3.610	2.110	3.320	3.110	.....
Clinton	2.430	2.070	1.410	4.370	4.730	4.200	4.180	3.310	3.310	4.250	3.900	3.630	41.820
Covert	?0.940	1.500	0.750	1.692	2.625	3.250	.....	.....	.....	0.812	.....	1.812	.....
Fishkill Landing	1.860	0.800	0.930	2.400	4.100	3.801	3.000	3.600	1.400	2.300	4.300	1.600	30.060
Flatbush	2.770	2.240	1.600	4.860	4.950	5.340	5.060	2.765	2.900	1.920	4.490	4.330	43.225
Fort Edward	3.140	1.900	0.870	4.220	8.700	7.850	4.920	4.710	4.270	8.570	8.300	4.300	61.750
Houseville	.....	.....	.....	3.040	3.270	?3.480	4.720	3.870	2.710	4.080	3.080	3.050	.....
Lake	2.710	1.780	1.370	2.830	4.210	4.250	5.570	2.860	5.640	3.510	3.950	.....	.....
Lowville	2.256	2.212	0.796	2.730	3.715	2.975	3.776	4.318	3.336	4.581	2.528	2.115	34.368
New York city	3.800	3.300	1.470	4.830	6.000	6.420	4.320	3.150	3.500	4.190	5.990	4.900	51.870
Ogdensburg	.....	1.960	.....	2.555	2.400	3.370	6.365	5.085	4.030	2.140	1.220	2.610	.....
Oswego	2.980	3.940	1.760	4.354	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ovid	1.460	1.950	1.200	2.400	.....	.....	2.437	3.187	4.437	.....	.....	.....	.....
Penn Yan	0.670	0.910	0.970	2.600	3.660	2.810	3.730	2.970	2.810	1.490	2.490	1.670	.....
Pompey	2.210	2.080	1.090	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rochester	1.583	2.379	1.466	2.819	3.440	3.400	4.660	2.880	3.190	0.860	5.780	3.480	35.817
Sag Harbor	2.470	?2.800	?	.....	.....	?4.400	2.310	3.730	5.750	2.100	4.150	4.900	.....
Saratoga	.....	.....	.....	?3.300	?7.100	.....	.....	.....	.....	.....	.....	.....	.....
Spencertown	2.620	1.050	?0.817	1.240	2.909	2.789	?3.526	.....	.....	.....	.....	.....	.....
Wampsville	.....	.....	.....	?8.610	?7.910	.....	?7.280	.....	.....	.....	.....	.....	.....
Waterford	2.070	1.330	0.600	2.950	3.650	2.740	6.620	3.400	3.770	2.424	3.100	2.580	35.230
Wellsville	.....	.....	.....	?2.250	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW JERSEY—													
Bloomfield	3.456	2.452	?0.785	3.730	3.542	3.989	3.887	2.040	1.887	.....	.....	.....	.....
Burlington	3.220	2.150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lumbertville	3.220	2.927	0.992	4.260	5.530	4.119	3.170	4.769	1.335	1.980	3.892	4.130	40.315
Newark	3.405	2.495	2.135	3.852	4.995	4.650	2.995	4.210	1.410	1.235	4.785	4.260	40.427
Sergeantsville	?4.590	.....	?1.687	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* In cases where the observer recorded only the depth of snow as it fell, without melting, it is estimated in this table as equal to one-tenth of that depth in water; and whenever, from this cause or any other, there is reason to doubt the accuracy of the record, it is indicated by affixing a mark of interrogation.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1858.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
PENNSYLVANIA—													
Bedford	.....	.....	.....	2.840	8.173	1.955	3.282	2.874	0.750	0.510	.....	.....	.....
Byberry	.....	.....	.....	4.933	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cannonsburg	3.720	1.760	0.300	2.925	7.580	4.580	2.315	1.271	1.340	2.150	2.819	4.100	.....
Carlisle	.....	.....	.....	.....	.....	.....	? 2.000	? 4.547	3.232	3.251	4.701	3.572	.....
Chromedale	3.090	1.659	0.831	.....	.....	.....	.....	.....	1.910	1.140	6.010	?	.....
Easton	2.260	1.050	0.690	3.120	6.600	4.450	4.150	2.680	2.680	1.820	4.810	4.220	38.500
Gettysburg	1.613	1.913	0.605	2.870	10.600	4.390	3.910	4.265	2.665	4.572	3.343	4.855	45.641
Harrisburg, [Heisely]	1.747	.....	.....	3.559	5.512	3.268	2.019	4.668	2.017	4.157	? 2.842	.....	.....
Harrisburg, [Hickok]	1.889	1.800	0.800	2.320	10.010	4.970	2.610	4.140	2.040	4.170	5.400	4.230	41.430
Lewisburg	2.227	1.640	0.447	3.377	6.571	4.037	4.545	4.440	2.082	2.292	3.720	4.470	.....
Linden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 2.892	.....	.....
Meadville	1.447	? 1.870	? 2.097	4.151	5.910	4.918	3.325	4.082	1.102	.....	.....	.....	.....
Morrisville	? 3.000	? 2.200	? 1.600	? 3.900	? 5.500	? 5.200	? 3.200	? 3.200	? 1.600	? 1.403	? 4.900	? 4.400	? 40.100
Mount Joy	1.350	? 1.490	0.650	? 3.880	10.230	8.680	1.740	3.481	2.090	2.511	? 3.810	5.100	44.412
Murrysville	1.070	2.360	0.880	4.570	5.650	4.150	2.520	2.700	1.000	2.110	3.740	4.761	35.010
Norristown	2.850	2.780	1.170	4.110	6.620	4.610	2.850	2.010	1.320	1.800	4.700	4.460	39.330
Philadelphia	2.686	2.393	1.124	4.681	5.308	4.205	1.454	5.157	1.589	1.778	3.368	5.459	39.202
Pittsburg, [Martin and Speer]	.....	.....	.....	.....	.....	.....	3.253	2.791	1.459	2.563	2.955	4.727	.....
Pittsburg, [Wilson]	.....	1.900	0.500	4.558	6.060	3.933	4.467	1.700	1.141	.....	.....	.....	.....
Pocopson	2.200	2.715	1.070	3.680	8.540	5.360	2.270	5.780	1.230	1.630	5.110	4.670	44.355
Reading	.....	1.400	0.880	2.970	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shamokin	1.802	0.855	0.917	3.055	7.297	2.914	5.677	3.759	1.574	2.695	3.791	4.115	38.484
Somerset	0.513	2.218	1.131	3.959	8.386	4.030	3.069	1.324	1.314	2.056	3.911	.....	.....
West Haverford	2.800	2.775	1.270	4.810	7.360	3.450	.....	.....	.....	1.890	5.240	5.320	.....
Westtown	2.417	1.299	.....	4.132	9.053	5.196	2.586	3.929	1.230	2.170	5.071	3.953	.....
DELAWARE—													
Georgetown	1.150	1.689	0.370	3.930	5.160	2.650	1.270	4.310	2.680	2.550	5.090	6.390	37.220
Milford	1.200	.....	.....	.....	4.560	? 1.850	.....	.....	.....	.....	.....	.....	.....
MARYLAND—													
Annapolis	1.790	1.690	0.700	4.430	6.750	1.950	1.800	3.170	2.310	3.360	5.030	5.610	38.590
Baltimore	1.359	1.480	.....	3.470	6.840	4.930	3.230	2.390	3.070	2.270	2.410	3.000	.....
Bladensburg	1.400	.....	.....	.....	5.660	? 1.170	4.120	1.170	2.540	1.790	4.260	.....	.....
Chestertown	1.940	1.720	0.760	3.980	6.860	2.360	1.690	.....	2.640	1.510	4.590	1.075	.....
Frederick	1.865	1.663	1.005	3.409	7.345	5.759	4.442	4.882	5.260	4.098	3.379	4.141	47.252
Leitersburg	.....	.....	.....	.....	.....	.....	.....	.....	3.830	3.520	2.990	4.032	.....
Sykesville	.....	.....	? 0.950	.....	.....	? 6.583	? 2.520	? 1.508	? 6.083	? 4.530	? 3.850	? 6.450	.....
DISTRICT OF COLUMBIA—													
Washington	1.650	0.435	1.750	3.969	7.480	1.810	5.600	2.640	2.900	2.540	4.190	5.790	40.754
Washington, (near)	1.580	2.910	0.310	3.360	7.090	1.080	4.350	7.050	.....	.....	.....	.....	.....
VIRGINIA—													
Alexandria	1.601	1.871	0.900	4.269	5.680	1.011	.....	.....	.....	.....	.....	.....	.....
Ashland	1.554	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Berryville	0.660	2.810	1.365	3.197	7.870	3.307	4.872	1.050	1.485	3.147	3.930	4.455	38.148
Buffalo	.....	.....	.....	.....	? 10.800	.....	? 15.900	? 11.500	.....	.....	.....	.....	.....
Crichton's Store	2.000	3.160	1.420	4.710	3.910	3.400	2.260	3.350	0.611	0.257	1.030	6.050	32.158
Cross Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.200	0.840	.....
Hartwood	.....	.....	? 1.380	.....	.....	.....	.....	.....	1.290	2.320	5.050	5.470	.....
Holliday's Cove	.....	.....	.....	.....	.....	.....	.....	.....	1.210	3.200	.....	.....	.....
Kanawha	1.988	3.769	1.489	3.017	3.331	2.875	2.539	2.938	.....	2.401	2.418	7.025	.....
Lewinsville	.....	.....	.....	.....	.....	2.830	2.420	0.680	3.110	2.210	2.070	3.520	.....
Lewisburg	1.155	0.733	?	1.822	0.916	1.916	1.214	1.067	.....	.....	.....	.....	.....
Meadow Dale	1.530	1.660	3.010	5.900	2.800	5.170	3.780	2.200	1.400	4.720	4.500	4.200	40.870
Mossy Creek	.....	.....	.....	? 6.000	.....	.....	.....	.....	.....	.....	.....	.....	.....
Poplar Grove	.....	.....	.....	.....	2.812	? 1.940	? 3.000	? 3.937	? 0.625	? 4.125	? 3.233	? 7.812	.....
Portsmouth	3.290	5.130	2.590	5.330	3.030	5.780	3.440	3.350	3.620	0.330	3.900	4.480	44.250
Rose Hill	0.950	2.450	0.540	3.520	4.150	2.040	4.020	4.880	.....	.....	.....	.....	.....
Rongemont	1.913	2.025	1.341	4.217	5.658	4.833	5.022	1.550	2.310	1.640	3.170	6.070	39.752
Ruthven	1.560	2.470	1.450	5.350	4.610	1.640	5.190	.....	.....	.....	.....	.....	.....
Salem	1.499	1.624	1.517	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Smithfield	2.103	3.524	1.411	4.539	4.485	4.918	3.500	3.211	4.273	1.059	4.091	6.661	43.781
Winchester	0.700	1.900	0.900	3.500	8.400	4.140	3.400	2.100	1.830	3.900	3.860	4.220	38.820
Wirt Court-House	.....	.....	1.005	5.110	8.460	5.380	3.980	3.420	0.440	5.820	3.970	9.610	.....
NORTH CAROLINA—													
Asheville	? 1.800	? 2.400	? 1.100	2.440	? 2.300	? 4.600	.....	.....	.....	.....	.....	.....	.....
Chapel Hill	2.596	5.280	2.817	2.763	2.105	3.751	6.146	2.716	4.115	1.947	3.393	6.009	43.911
Davidson College	3.520	? 4.340	2.570	2.670	1.530	? 4.030	? 3.420	? 2.680	? 9.800	4.820	2.430	3.635	.....
Gaston	2.170	4.080	2.440	5.430	4.030	2.240	4.050	3.620	2.520	1.380	2.730	6.140	40.830
Marlborough	3.825	5.790	2.860	5.210	2.780	3.950	5.310	3.955	.....	.....	.....	.....	.....
Murfreesborough	2.170	4.400	1.870	4.680	3.350	2.970	? 2.000	? 0.310	? 2.350	0.7660	3.210	4.230	32.510
SOUTH CAROLINA—													
Aiken	5.880	4.730	3.450	2.910	1.050	3.101	3.905	5.535	5.665	1.961	2.375	5.370	.....
All Saints	4.930	7.970	? 1.030	3.990	3.510	1.510	11.320	3.330	5.370	3.400	3.010	1.770	51.140
Charleston, [Dawson]	2.250	6.040	1.980	1.250	3.670	1.450	6.110	5.800	7.020	0.770	2.930	2.660	.....
Charleston, [Johnson]	2.850	5.655	1.800	1.137	4.125	2.050	7.887	6.787	8.281	0.933	4.087	2.512	.....
Columbia	.....	.....	.....	2.570	0.910	4.032	2.920	2.370	1.620	0.733	2.460	4.900	.....
St. John's	.....	7.600	1.590	3.680	3.540	1.100	7.650	4.750	7.920	1.500	3.060	3.320	.....
GEORGIA—													
Athens	6.950	4.212	2.354	7.017	3.019	4.763	5.474	2.252	3.741	.....	.....	.....	.....
Augusta	.....	.....	.....	.....	.....	.....	.....	.....	4.770	1.910	.....	.....	.....
Hillsborough	8.260	4.165	4.070	3.185	2.220	4.770	.....	.....	.....	.....	.....	.....	.....
Savannah	3.146	4.562	2.821	1.994	3.630	2.991	5.774	3.324	14.198	1.513	3.371	5.948	48.212
Sparta	11.020	4.900	4.380	6.640	2.700	5.300	4.230	5.800	3.920	1.880	2.950	9.360	63.080
Thomson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.562	.....
Whitemarsh Island	2.010	4.460	1.100	3.870	3.450	2.270	8.160	9.160	9.290	1.810	2.280	3.860	52.350
FLORIDA—													
Alachua County	4.070	4.670	3.830	0.720	2.770	4.130	9.700	8.430	11.690	3.640	3.280	1.500	58.450
Alligator	? 6.100	? 6.100	? 6.500	? 3.000	? 3.833	? 5.833	? 12.333	? 8.000	? 14.000	? 3.700	? 5.600	? 4.700	? 79.699
Atsena	2.125	4.250	7.200	2.400	.....	1.800	6.550	10.350	10.500	2.830	? 2.010	.....	.....
Jacksonville	3.150	5.375	3.550	1.252	3.000	1.058	7.657	3.512	10.475	2.000	?	2.350	.....
Micanopy	.....	.....	.....	.....	.....	3.460	16.090	11.460	11.005	0.980	4.010	1.290	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1858.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
FLORIDA—Continued.													
St. Augustine	1.450	4 475	3.950	2.028	1.525	3.600	11.425	8.200	?7.465	1.575	.....	2.150	.....
Salt Ponds	1.495	2.350	1.660	0.210	3.425	7.310	3.850	2.380	6.550	0.830	2.090	0.790	32.940
Warrington	7.137	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ALABAMA—													
Carlowville	6 860	3.990	.....	.....	1.950	.....	3.100	4.020	1.900	7.750	2.120	6.560	.....
Greene Springs	8.690	6.480	3.590	3.220	2.770	3.600	4.410	3.880	.....	4.290	2.160	7.500	.....
Greensborough	9.562	3.760	3.303	4.670	3.755	1.443	0.939	3.620	.....	2.770	3.375	8.476	.....
Montgomery	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.500	4.010	8.130	.....
Selma	.....	.....	.....	3.893	2.465	4.468	2.590	3.663	0.945	5.162	3.863	9 702	.....
MISSISSIPPI—													
Columbus	9.195	7.892	4.337	6.047	4.846	5.172	5.376	1.959	0.385	1.316	2.369	8.265	57.159
Natchez	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.370	6.190	.....
Paulding	.....	2.400	4.423	2.096	2.154	4.046	1.838	4.381	1.360	2.394	3.385	7.199	.....
LOUISIANA—													
Black River	10.820	4.310	3.470	4.460	3.710	4.320	3.270	3.370	2.600	4.790	3.600	.....	.....
New Orleans	5.125	6.185	6.165	3.065	2.935	6.940	8.225	11.670	4.950	4.810	4.015	4.495	68.580
TEXAS—													
Austin, [Van Nostrand]	2.950	0.960	7.020	0.490	8.800	1.070	3.800	0.440	?5.010	2.900	0.750	2.180	?36.370
Goliad	3.030	0.530	1.410	0.000	6.550	1.970	?1.410	0.430	1.330	4.230	?1.420	2.820	.....
Huntsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.040
Larissa	.....	.....	.....	.....	.....	.....	.....	0.100	.....	.....	.....	.....	.....
New Braunfels	.....	.....	.....	.....	?8.700	?6.300	.....	.....	?1.800	?1.400	?1.300	?1.300	.....
Union Hill	.....	.....	?6.417	?0.292	.....	?2.333	.....	?0.500	?2.460	?11.290	?1.333	?2.520	.....
Washington	4.100	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.655	5.550	.....
TENNESSEE—													
Glenwood	4.211	3.176	4.004	6.565	4.587	6 546	4.125	1.692	2.112	2.586	2.601	11.476	53.681
Memphis	4.910	3.250	4.750	3.150	7.560	5.000	9.640	3.370	1.400	1.920	3.140	5.460	53.550
KENTUCKY—													
Bardstown	3.041	3.216	1.265	4.698	7.249	?4.865	7.528	2.720	2.590	3.390	3.195	9.360	53.117
Danville	1.858	3.278	1.533	3.430	.....	.....	5.756	2.337	.....	.....	2.147	7.948	.....
Louisville	.....	.....	.....	5.344	6.661	3.992	2.786	1.771	2.577	4.167	2.699	6.761	.....
Millersburg	.....	.....	.....	3.990	4.500	3.520	.....	.....	.....	.....	.....	.....	.....
Paris	2.239	3.120	1.050	4.530	5 412	4.376	?3.227	1 300	1.597	2.415	2.042	7.907	39.215
Springdale	3.500	2.610	1.340	6.340	7.910	3.550	4.480	3.460	2.740	3.880	2.710	7.350	49.900
OHIO—													
Avon	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.905	4.310	4.931	.....
Bellefontaine	?2.500	3.000	?0.900	?10.400	?8.300	?6.300	?3.700	?2.700	1.420	6.340	?3.510	5.120	?54.190
Bowling Green	.....	.....	.....	.....	4 684	4.748	4.661	2.339	0.994	2.968	3.589	3.888	.....
Cincinnati, [Harper]	2.560	1.760	1.050	4.340	8.320	5.690	3 010	7.970	0.850	4.660	2.570	6.410	49.190
Cincinnati, [Hutti]	.....	.....	.....	.....	.....	5 530	.....	.....	.....	.....	.....	.....	.....
Cleveland	1.230	1.960	1.310	4.070	7.510	3 900	5.790	5.080	3.370	1.530	5.060	3.320	44.160
College Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.340	.....	.....
Collingwood	.....	.....	.....	.....	?5.000	?8 000	.....	.....	.....	.....	.....	.....	.....
Dayton	.....	.....	.....	.....	7.561	4.823	3.182	3.965	1.143	3.253	3.749	.....	.....
Edinburg	2.330	?2.000	1.980	4.780	7.110	4.790	5.020	3.970	1.360	3.720	?	3.920	.....
Hillsborough	1.796	2.500	1.237	4.238	9.567	5.342	4.009	4.589	1.722	2.853	3.057	6.373	47.283
Hiram	1.380	1.480	1.520	4.710	?3.910	3.230	4.685	3.570	1.230	2.775	2.960	3.255	34.705
Hudson	.....	.....	.....	.....	.....	.....	.....	5.230	?2.310	2.725	3.910	2.760	.....
Jackson, [Jackson county]	.....	.....	.....	3.910	7.120	.....	.....	.....	.....	.....	.....	.....	.....
Jackson, [Monroe county]	1.500	2.600	0.500	3.450	7.850	3.610	3.300	6.150	0.500	3.100	3.920	6.730	43.210
Lancaster	.....	.....	.....	3.867	11.183	7.268	5 775	4.816	0.708	2.367	2.707	6.846	.....
Madison, [Atkins]	.....	?2.400	.....	.....	6.390	.....	.....	.....	.....	.....	.....	.....	.....
Madison, [Cunningham]	1.710	1.330	?2.525	?7.000	?10.656	?6.542	?7.126	4.314	?4.160	?6.210	?8.280	.....	.....
Medina	1.045	?2.106	1.730	4.501	7.024	3.586	7.473	3.020	1.275	.....	.....	.....	.....
Montville	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.088	2.495	1.928	.....
New Lisbon	0.550	3.300	1.080	4.120	7.440	4.760	4.120	3.840	1.300	3.010	3.480	5.450	42 450
Northwood	1.410	?1.980	1.200	4.090	7.310	4.860	2.800	.....	.....	.....	?3.270	.....	.....
Portsmouth	1.430	2.800	1.320	3.330	6.310	.....	.....	.....	.....	.....	.....	.....	.....
Ripley	2 280	3.140	0.970	3.580	6.130	5.447	5 749	2.339	1.220	4.274	1.224	8 755	45.108
Savannah	2.435	3.301	1.423	5.990	7.152	5.728	6.922	3.705	1.853	2.552	4.680	5.975	51.716
Urbana	2.050	1.480	0.960	3.870	7.500	5.260	3.600	4.360	1.970	1.780	3.390	4 800	41.020
Welchfield	1.666	2.448	2.371	5.387	7.822	4.708	6.293	3.668	1.437	3.021	4.061	6.155	49.037
Westerville	1.555	1.850	1.030	5.640	7.150	4.570	2.800	8.470	1.740	2.340	3.150	5.100	45.395
MICHIGAN—													
Battle Creek	1.030	2.580	2.690	4.500	8.130	3.850	0.250	2.450	2.950	2.800	3.360	1.160	35.750
Detroit	.....	.....	.....	3.838	4.010	2.830	4.350	4.390	1.390	3.780	2.780	2.120	.....
Grand Rapids, [Currier]	?2.560	?1.475	3.800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Rapids, [Streng]	.....	1.170	3.710	2.380	6.570	4.500	0.780	2.880	4.330	3.360	2.250	1.000	.....
Marquette	?2.548	?1.400	?2.366	?5.520	4.170	2.830	3.590	2.290	4.060	2.820	?3 610	?3.200	?38.404
New Buffalo	1.910	2.780	4.000	3.690	7.760	5.620	2.400	7.300	5.510	3.250	5.750	2.450	52.420
Ottawa Point	.....	.....	.....	.....	.....	.....	.....	.....	?1.300	2.230	3.370	1.370	.....
Port Huron	.....	?1.450	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thunder Bay Island	.....	.....	.....	.....	.....	.....	.....	4.570	1.820	3.780	5.110	3.670	.....
INDIANA—													
Cannelton	.....	.....	.....	5 070	6.450	4.870	2.220	4.260	1.570	4.430	2.810	5.980	.....
Evansville	3.050	.....	1.040	6 650	6.140	2.800	5.440	1.780	3.010	.....	.....	.....	.....
Logansport	?2.127	?1.750	?2.715	5.350	11.130	7.710	1.430	4.850	3.300	2.750	.....	.....	.....
Madison	2.720	2.076	1.515	5.327	9.676	6.312	1.976	2.228	2.822	1.099	2.164	8 617	46.523
Michigan City	1.880	2.230	3.000	3.140	8.200	5.310	3.780	6.890	4.370	.....	.....	.....	.....
New Harmony	2.950	1.920	2.560	5.140	8.600	5.850	4.400	0.900	3.210	6.120	2.600	4.430	48.710
Notre Dame	.....	.....	.....	.....	.....	.....	.....	.....	4 492	3.917	3.428	.....	.....
Richmond	2.920	2.030	1.430	5.640	11.870	6.695	2.695	6.995	0.400	3.510	4.980	4.925	54.090
ILLINOIS—													
Athens	2.180	1.840	2.760	5.780	8.710	4.120	7.790	1.890	2.660	4.590	3.010	1.940	47.270
Augusta	2.046	1.516	3.175	7.216	9.512	5.856	7.933	2.334	2.459	3.005	3.114	2.882	51.048
Aurora	2.190	1.310	2.380	5.190	6.820	5.075	5.690	3.810	5.010	3.910	3.640	2.410	47.505
Batavia, [Mead]	2.018	1.860	2.910	5.360	6.070	5.780	10.490	2.350	5.380	3.730	4.360	2.410	52.718
Brighton	?1.800	?1.800	?1.900	?2.100	?3.200	3.260	5.350	0.361	1.810	3.800	3.520	2.370	?31.271
Edgington	.....	?1.850	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elgin	.....	?1.800	?3.080	3.950	8.000	4.080	6.420	3.310	4.200	2.940	4.290	1.730	.....

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1858.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
ILLINOIS—Continued.													
Evanston	.....	? 2.000	.....	.. ....	.....	.....	.....	.....	.....	.....	.. ....	.....	.....
Manchester	2.350	1.670	2.045	3.650	9.200	7.595	6.525	2.180	4.590	4.285	2.860	2.455	49.405
Marengo	1.150	.... ..	2.990	?	7.640	8.000	3.710	6.270	4.450	3.430	4.170	1.540	.....
Ottawa	1.668	? 3.150	? 2 976	4.546	8.357	6.575	4.818	2.372	3.553	3.972	2.350	2.550	? 46.887
Pekin	0.954	1.550	3.730	7.656	11 492	6.955	8.623	3.311	3.780	3.320	6.175	3.155	60.701
Peoria	1.480	1.950	3.280	6.250	10.640	5.950	5.850	3.210	2.960	3.240	4.850	3.670	53.360
Riley	1.550	.....	3.220	3.360	7.570	... .	5.730	4.080	4.740	5.140	2.430	3.360	.....
Sandwich	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.080	.....
Upper Alton	.....	.....	.....	.....	.....	? 5.000	7.275	1.900	2.350	3.415	2.810	2.665	.....
Warsaw	0.340	1.830	3.370	7.410	10.360	5.420	6.320	.....	.....	.....	.....	.....	.....
Waynesville	.....	? 1.050	.....	? 5.750	? 7.125	? 6.000	? 3.875	? 1.625	? 4.000	? 2.625	? 3.125	? 2.225	.....
West Salem	3.470	2.440	3.740	5.280	8.330	5.660	5.080	1.450	2.190	4.080	3.280	6.000	51.000
West Urbana	1.295	0.540	1.952	5.713	8.399	8.031	3.792	?	3.114	3.585	4 315	2.130	.....
Wheaton	2.302	2.142	2.801	4.683	6.720	3.690	3.147	8.226	4.050	3.550	4.820	5.250	51.381
Winnebago	2.370	1.290	2.080	3.980	6.866	7.450	3.360	2.850	5.560	2.940	4.500	1.880	45.150
MISSOURI—													
Cape Girardeau	4.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Joseph	1.130	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis	3.420	2.120	3.960	6.070	10.640	6.690	8.030	2.870	3.860	7.730	4.920	8.520	68.830
Springfield	.....	? 1.500	? 3.095	3.260	.....	.....	.....	.....	.....	.....	.....	.....	.....
WISCONSIN—													
Appleton	1.249	? 0.331	? 1.874	4.569	5.394	4.561	4.415	2.167	4.542	3.312	? 1.800	2.191	? 36.405
Bay City	.....	.....	? 1.900	.....	? 2.800	? 3.400	? 6.700	? 5.950	? 4.200	? 4.100	? 2.100	? 3.300	.....
Bayfield	... .	.....	.....	.....	.....	.....	.....	.....	2.170	3.120	? 1.230	.....	.....
Beloit	.....	0.997	1.860	3.294	10.294	6.294	8.775	2.609	3.934	1.722	3.135	1.849	.....
Green Bay	.....	.....	.....	.....	.....	4.230	3.300	3.230	6.090	4.380	? 3.037	.....	.....
Janesville	2.350	0.850	1.670	3.000	6.500	5.900	... .	6.950	3.650	2.100	3.000	1.550	.....
Kenosha	.....	.....	1.270	3.420	6.200	7.130	.....	.....	.....	.....	? 4.440	0.990	..... .
Madison	1.830	0.590	1.940	4.740	8.390	4.720	2.350	.....	.....	1.740	1.170	. .....	.....
Manitowoc	.....	? 0.880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Menasha	3.350	? 0.837	2.870	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milwaukee, [Winkler]	.....	? 2.460	2.110	5.150	8.510	4.080	3.860	2.750	3.920	4.590	4.950	1.930	.....
New London	2.320	0.440	1.530	5.920	6.340	4.770	4.380	4.320	.....	.....	.....	.....	.....
Platteville	2.288	0.601	1.663	4.434	6.443	7.735	8.845	0.777	4.192	3.406	4.422	2.464	47.270
IOWA—													
Bellevue	2.710	? 1.050	1.840	5.210	9.590	6.660	6.610	2.540	4.080	3.960	4.830	2.430	51.510
Border Plains	.....	.....	.....	.....	? 4.187	? 9.125	? 13.687	? 4.875	? 1.790	? 6.125	? 1.125	? 0.875	.....
Dubuque	1.910	0.780	1.840	4.370	8.230	4.860	8.690	1.370	5.552	5.630	? 3.010	? 0.953	? 47.195
Fairfield	? 2.350	? 2.550	3.050	6.840	8.473	6.940	9.440	1.830	4.830	6.200	? 8.700	? 4.700	? 65.900
Fort Madison	1.720	2.280	1.840	6.850	8.100	6.360	5 900	1.590	3.110	5 930	4.640	2.780	51.100
Iowa City	2.130	0.810	1.820	4.550	8.170	4.550	8.740	2.520	2.610	3.330	2.700	1.310	.....
Muscatine	? 1.600	2.000	2.200	5.670	8.400	6.770	7.300	4.120	6.100	4.950	? 4.540	? 2.900	56.550
Pleasant Plain	? 1.200	? 3.300	.....	? 8.000	? 9.700	? 8.500	? 8 600	3.000	3.470	4.870	4.590	1.600	.....
Poultney	.....	2.110	3.110	4.170	6.470	5.490	6.520	2.630	.....	.....	.....	.....	.....
Rossville	2.640	0.990	1.920	4.780	5.530	.....	.....	4.210	1.540	2.580	2.330	1.110	....
Sioux City	.. ..	0.560	0.890	4.360	3.300	4.720	7.420	6.070	3.600	2.210	0.890	0.320	.. ..
MINNESOTA—													
Beaver Bay	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.590	1.740	.....
Burlington	? 1.537	? 0.762	? 1.112	? 2.450	1.312	3 562	5.625	3.750	? 3.000	.....	? 1.381	? 2.000	.....
Forest City	.. ..	.....	.....	.....	.....	1 830	16.910	5.250	3.770	1.720	.....	.....	.....
Hazlewood	? 1.640	.....	.....	4 430	3.590	2.970	5.610	5.270	4.070	1.410	1 530	0.280	.....
Princeton	4.710	... .	.....	1.880	.....	1.600	.....	.....	.....	.....	.....	.....	.....
Stillwater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.540	.....	.....
Wabashaw	2.133	? 0.633	? 1.200	.....	? 3.400	? 4.110	? 7.100	? 1.300	.....	.....	.....	.....	.....
NEBRASKA—													
Bellevue	.....	.....	? 15.600	? 4.350	? 5.560	7.270	? 15.850	1.360	2.740	6.030	0.590	0.720	.....
Omaha	1.820	0.800	1.800	5.750	3.190	6.840	15.700	2.400	2.400	.....	.....	1.060	.....
KANSAS—													
Burlingame	.....	0.430	2.420	3.150	1.520	6.950	5.060	4.450	2.190	7.320	2.760	0.820	.....
Council City	0.650	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leavenworth City, [Berthoud]	....	.....	.....	2.880	.....	11.200	.....	.....	2.875	.....	3.110	1.620	.....
Leavenworth City, [McCarty]	0.990	0.650	2.680	.....	4.980	14.200	11.790	5.330	4.820	7.830	.....	.....	.....
Manhattan	2.500	0.460	.....	4.440	5.120	4.829	6.340	3.980	1.100	4.670	0.690	? 1.110	.....
Mapleton	3.020	.....	.....	.....	3.090	4.570	4.250	1.100	1.700	.....	.....	.....	.....
Topeka	.....	.....	? 2.625	? 3.500	? 1.125	? 5.250	? 2.625	.....	.....	.....	.....	....	.....
UTAH—													
Great Salt Lake City	.....	.....	.....	.....	.....	.....	.....	.....	0.147	3.276	.....	.....	.....
OREGON—													
Oregon City	4.050	3.810	4.870	1.830	2.990	2.040	0.100	0.440	4.040	4.550	4.440	9.930	43.090
Portland	.....	... ...	.....	1.350	1.510	0.130	.....	.....	.....	.....	... . .	.....	.. ..
CALIFORNIA—													
Sacramento	2.446	2.461	2.882	1.214	0.205	0.100	0.000	0.004	0.001	3.010	0.147	4 842	17.312
San Francisco	2.545	1.555	3.620	0.705	0.275	0.040	0.000	0.115	0.000	2.163	0.646	6.100	17.764
MEXICO—													
Vera Cruz	3.830	? 1.810	0.200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CENTRAL AMERICA—													
Guatemala	0.512	0.020	1.673	1.870	5.768	12.839	11.241	4.492	8.382	3.244	0.067	0.102	50.210
BERMUDA—													
St. George's	3.775	4.440	1.773	4.270	... ...	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH AMERICA—													
Catharina Sophia, Surinam	8.161	1.484	8.977	12.435	11.326	11.927	4.980	3.588	3.538	2.793	9.683	7.357	85.740
EASTERN CONTINENT—													
Jerusalem, Palestine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.100	5.220	.....

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
British America	Hamilton	29.65	Jan. 8	9 a. m.	30.32	March 21	9 a. m.	28.90	1.42
	Montreal	29.94	Jan. 22	9 p. m.	30.79	March 21	2 p. m.	29.12	1.67
	St. John's	29.39	Jan. 11	9 p. m.	30.18	May 4	9 p. m.	28.36	1.82
	St. Martin	29.83	Jan. 22	9 p. m.	30.70	March 21	2 p. m.	29.02	1.68
	Toronto	29.62	Jan. 8	6 a. m.	30.37	March 21	6 a. m.	28.92	1.45
	Windsor	29.87	Dec. 31	7 a. m.	30.62	March 9	2 p. m.	28.61	2.01
Maine	Gardiner	29.81	Jan. 24	7 a. m.	30.55	March 9	2 p. m.	28.88	1.67
	Portland	29.89	Jan. 23	7 a. m.	30.73	March 9	7 a. m.	28.99	1.74
New Hampshire	Shelburne	29.76	Jan. 23	7 a. m.	30.44	March 9	2 p. m.	28.97	1.47
Vermont	Burlington	29.61	Jan. 22	9 p. m.	30.42	Feb. 10	2 p. m	28.82	1.60
	Norwich	29.65	Jan. 23	7 a. m.	30.40	Sept. 16	9 p. m.	28.96	1.44
Massachusetts	Amherst	29.69	Jan. 8	2 p. m.	30.57	Sept. 16	2 p. m.	28.83	1.74
	Cambridge	29.94	Jan. 23	7 a. m.	30.75	March 9	7 a. m.	29.08	1.67
	Lawrence	29.86	Jan. 23	7 a. m.	30.63	Dec. 22	7 a. m.	28.99	1.64
	Nantucket	29.99	Jan. 8	9 p. m	30.75	March 9	7 a. m.	29.07	1.68
	New Bedford	29.90	Jan. 23	7 a. m.	*a* 30.67	March 9	7 a. m.	29.02	1.65
	Westfield	29.89	Jan. 23	7 a. m	30.63	March 9	7 a. m.	*b* 29.16	1.47
	Williamstown	29.27	Jan. 23	7 a. m.	29.99	March 9	2 p. m	28.49	1.50
	Worcester	29.44	Oct. 17	9 p. m.	30.29	March 9	7 a. m.	28.62	1.67
Rhode Island	Providence	29.82	Jan. 23	Sunrise.	30.55	March 9	Sunrise	28.97	1.58
Connecticut	Pomfret	29.36	Jan. 23	7 a. m.	30.10	March 9	7 a. m.	28.52	1.58
	Wallingford	29.89	Jan. 23	7 a. m.	30.65	Sept. 16	2 p. m.	29.01	1.64
New York	Bellport	29.29	Jan. 8	9 p. m.	29.93	March 8	9 p. m.	*c* 28.73	1.20
	Buffalo	29.34	Jan. 8	8 a. m.	30.06	Feb. 9	9 p. m.	*d* 28.65	1.41
	Cazenovia	28.58	Jan. 8	7 a. m	29.23	Oct. 7	2 p. m.	28.03	1.20
	Fishkill (*e*)	30.23	Jan. 23	2 p. m.	*f* 30.90	March 9	7 a. m.	*g* 29.45	1.55
	Flatbush	29.92	Jan. 23	7 a. m.	30.69	Sept. 16	7 a. m.	*c* 29.20	1.49
	Fort Edward	29.82	Jan. 24	9 p. m.	30.75	March 9	2 p. m.	29.06	1.69
	New York city	30.04	Jan. 23	7 a. m.	30.71	March 9	7 a. m.	29.28	1.43
	Rochester	29.41	Jan. 8	7 a. m.	30.12	Feb. 9	9 p. m.	*h* 28.77	1.35
	Sag Harbor	29.69	Jan. 23	2 p. m.	30.46	March 9	7 a. m.	28.95	1.51
	Waterford	29.94	Jan. 23	7 a. m.	30.73	Sept 16	2 p. m.	29.24	1.49
New Jersey	Newark	29.95	Jan. 8	6 p. m.	30.68	Jan. 5	7 a. m	28.76	1.92
Pennsylvania	Berwick (*e*)	29.34	Jan. 8	2 p. m.	*i* 30.00	March 9	2 p. m.	28.58	1.42
	Cannonsburg	29.80	July 6	9 p. m.	29.99	March 11	2 p. m.	28.20	1.79
	Easton	29.51	Jan. 8	9 p. m.	*j* 30.20	Dec. 21	9 p. m.	28.85	1.35
	Gettysburg	29.47	Jan. 8	2 p. m.	30.17	March 21	2 p. m.	28.82	1.35
	Harrisburg, [Heisely]	29.76	Jan. 8	2 p. m.	30.45	March 21	2 p. m.	29.11	1.34
	Harrisburg, [Hickok]	29.72	Jan. 8	2 p. m.	30.43	March 21	2 p. m.	29.05	1.38
	Lewisburg	29.55	Jan. 8	2 p. m.	30.26	March 21	2 p. m.	28.84	1.42
	Morrisville	30.05	Jan. 8	9 p. m.	30.80	Dec. 21	9 p. m.	29.37	1.43
	Mount Joy (*e*)	29.68	Jan. 8	2 p. m.	30.42	Dec. 21	9 p. m.	29.00	1.42
	Murrysville	28.83	Jan. 8	7 a. m.	29.48	Dec. 21	2 p. m.	28.20	1.28
	Norristown	29.91	Jan. 23	7 a. m.	30.65	Dec. 21	9 p. m	29.18	1.47
	Philadelphia	29.87	Jan. 8	2 p. m	30.53	Dec. 21	9 p. m.	29.21	1.32
	Pittsburg, [Mar. Hospital]	28.93	Jan. 8	7 a. m.	29.70	March 11	2 p. m	28.32	1.38
	Somerset	27.64	Jan. 8	7 a. m.	28.16	Dec. 21	2 p. m.	27.11	1.05
	Westtown	29.42	Jan. 23	7 a. m.	30.11	March 21	2 p. m.	28.75	1.36
Maryland	Annapolis	30.02	Jan. 8	2 p. m.	30.70	Dec. 21	2 p. m.	29.44	1.26
	Baltimore	29.90	Jan. 8	2 p. m.	30.58	March 21	2 p. m.	29.25	1.33
	Frederick	29.74	Jan. 8	7 a. m.	30.43	March 21	2 p. m.	29.08	1.35
District Columbia	Washington	30.00	Jan. 8	7 a. m.	30.75	Feb. 9	9 p. m.	29.18	1.57
Virginia	Portsmouth	30.01	Jan. 8	2 p m.	30.67	March 8	2 p. m.	29.31	1.36
North Carolina	Chapel Hill	29.57	Jan. 8	7 a. m.	*k* 30.17	March 8	2 p. m.	28.93	1.24
	Davidson College	29.15	Jan. 8	7 a. m.	29.78	March 8	7 a. m	28.51	1.27
	Murfreesborough	29.28	Dec. 10	7 a. m.	29.99	Dec. 21	2 p. m.	28.75	1.24

a Same height at 9 p. m. January 4.
b Same height at 2 p. m. March 9.
c Same height at 9 p. m. December 21.
d Same height at 8 a. m. March 21.
e Not corrected for temperature.
f Same height at 2 p. m. January 23.
g Same height at 2 p. m. January 9.
h Same height at 7 a. m. December 21.
i Same height at 2 p. m. and 9 p. m. January 22, and at 2 p. m. December 25
j Same height at 7 a. m. January 23.
k Same height at 9 p. m. December 25.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
South Carolina	All Saints	29.99	Dec. 25	9 p. m.	30.52	March 8	7 a. m.	29.20	1.32
	Charleston, [Dawson]	.....	Dec. —	.....	30.67	March —	.....	29.47	1.20
Georgia	Savannah	30.05	Dec. 10	7 a. m.	30.52	March 8	7 a. m.	*a* 29.36	1.16
Florida	Atsena	29.83	March 14	7 a. m.	*b* 30.10	March 8	7 a. m.	*a* 29.30	1.40
	Jacksonville	30.09	Jan. 8	9 p. m.	*c* 30.46	March 8	2 p. m.	29.45	1.01
	Salt Ponds (*d*)	29.69	March 3	2 p. m.	29.96	April 1	7 a. m.	29.36	0.60
Texas	Goliad	29.98	Dec. 9	7 a. m	30 61	April 9	9 p. m.	29.51	1.10
Tennessee	Glenwood	29.56	Sept. 19	7 a. m.	30.21	April 12	7 a m.	*e* 28.92	1.29
	Memphis	29.76	Dec. 9	7 a. m.	30.42	May 10	2 p. m.	29.13	1.29
Kentucky	Bardstown (*f*)	30.01	Dec. 9	7 a. m.	30.62	Dec. 14	9 p. m.	29.00	1.62
	Paris	29.18	Dec. 9	7 a. m.	29.76	April 12	2 p. m.	28.46	1.30
	Springdale	29.42	Dec. 9	7 a. m.	30.01	May 11	7 a. m	28.79	1.22
Ohio	Bowling Green	29.22	Jan. 1	Sunrise.	*g* 29.86	April 13	7 a. m.	28.54	1.32
	Cincinnati, [Harper]	29.48	Dec. 9	2 p. m.	30.08	April 12	2 p. m.	28.68	1.40
	Cleveland	29.08	Aug. 15	9 p. m.	29.75	Dec. 21	7 a. m.	28.52	1.23
	Hillsborough	29.83	Jan. 8	7 a. m.	29.37	April 12	2 p. m.	28.11	1.26
	New Lisbon (*c*)	28.62	Jan. 8	7 a. m.	*h* 29.20	May 11	2 p. m.	28.03	1.17
	Ripley	29.40	Dec. 9	7 a. m.	29.99	April 12	7 a. m.	28.79	1.20
	Savannah	28.89	Jan. 8	7 a. m.	29.48	April 12	2 p. m.	28.24	1.24
	Urbana	28.87	Jan. 8	7 a. m.	29.45	April 12	2 p. m.	28.18	1.27
	Westerville	28.87	Jan. 8	7 a. m.	29.44	April 12	2 p. m.	28.22	1.22
Michigan	Battle Creek	29.10	Jan. 8	7 a. m.	29.69	Jan. 11	7 a. m.	28.43	1.26
	Marquette	29.33	May 2	7 a. m.	29.94	Jan. 11	7 a. m.	28.56	1.38
	New Buffalo	29.29	Jan. 8	9 p. m.	29.89	Jan. 12	7 a. m	28.63	1.26
Indiana	Madison	29.48	Dec 9	2 p. m	30.07	May 11	7 a m.	28.84	1.23
	New Harmony	29.66	Dec. 9	7 a. m.	30.30	April 13	2 p. m.	28.91	1.39
Illinois	Athens	29.39	Dec. 9	7 a. m.	30.01	April 8	2 p. m.	28.60	1.41
	Batavia, [Mead]	29.11	Dec. 9	7 a. m	29.79	Feb. 13	2 p. m.	28.35	1.44
	Manchester	28.81	April 3	7 a m	29.49	April 8	1 p. m.	28.11	1.38
	West Urbana	29.21	Jan. 7	9 p. m.	29.81	April 12	9 p. m.	28.56	1.25
	Wheaton	29.21	Jan. 7	9 p. m	29.86	Feb. 1	9 p. m.	28.33	1.53
Missouri	St. Louis	29.53	Sept. 20	7 a. m.	30.18	April 8	2 p. m.	28.78	1.40
Wisconsin	Appleton	28.95	Jan. 7	9 p. m.	29.56	Jan. 11	7 a. m.	28.20	1.36
	Beloit	29.17	Jan. 7	9 p. m.	29.79	Dec. 30	2 p. m.	28.36	1.43
	Kenosha	29.48	Dec. 9	2 p. m.	30.07	Jan. 11	7 a. m.	28.70	1.37
	Milwaukee, [Winkler]	29.26	Jan. 7	9 p. m	29.84	Jan. 11	7 a. m.	28.46	1.38
Iowa	Dubuque	29.31	Jan. 7	9 p. m.	30.00	April 8	2 p. m.	28.41	1.59
	Fairfield	28.76	Jan. 7	9 p. m.	29.77	Dec. 29	2 p. m.	27.29	2.48
	Muscatine	29.49	Jan. 8	7 a. m.	30.17	April 8	2 p. m.	28.62	1.55
Kansas	Lawrence	29.07	Dec. 9	7 a. m.	29.71	April 11	9 p. m.	28.31	1.40
	Leaven'th City, [McCarty]	28.63	Jan. 7	7 a. m.	29.17	April 8	7 a. m	28.08	1.09
California	Sacramento	29.99	Jan. 2	2 p. m.	30.41	Jan. 22	2 p. m.	29.51	0.90
	San Francisco	29.93	Jan. 2	7 a. m	30.38	Jan. 22	2 p. m.	29.44	0.94
Mexico	Vera Cruz	30.04	Dec. 9	11 p. m.	30.48	April 10	2 p. m.	29.59	0.89
Central America	Guatemala	25.24	Feb. —	?	*i* 25.39	March —	?	25.08	0.21
South America	Catharina Sophia, Sur (*f*)	29.79	Feb. 11	6 p. m.	29.96	Jan. 12	2 p. m.	*j* 29.57	0.39
	Catharina Sophia, Surinam	29.88	Sept. 9	6 a. m.	30.04	April 21	6 p. m.	29.73	0.31

a Same height at 2 p. m. March 8.
b Same height at 9 p. m. March 13 and 14, and at 7 a. m. March 15.
c Same height at 7 p. m. December 10.
d Not corrected for temperature.
e Same height at 9 p. m. May 10.
f Aneroid.
g Same height at sunrise January 8.
h Same height at 2 p. m. and 9 p. m. January 8.
i Same height in March.
j Same height at 6 p. m. January 11 and 12.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
BRITISH AMERICA—	°	°	°	°		°		°		°		°	°	
Hamilton (*a*)	48.26	.....	48.02	41.14	June 26	88	June 25	*b* 81.50	Feb. 17	— 4	Feb. 17	1.50	92	.....
Montreal	38.86	46.97	41.25	42.36	June 21	*c* 89	June 25	80.83	Feb. 11	—17	Feb. 10	— 6.67	106	.....
Moose Factory (*a*)	.....	.....	.....	26.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. John's	39.56	44.50	40.94	40.93	Aug. 12	83	July 17	*d* 74.67	Jan. 23	— 7	Jan. 23	— 3.00	90	5.57
St. Martin (*a*)	33.46	49.22	38.69	40.46	June 26	97	June 26	85.90	Feb. 13	—30	Feb. 13	—16.20	127	.....
Stanbridge	37.13	48.10	39.30	41.51	June 25	90	July 7	83.33	Feb. 13	—27	Feb. 13	—13.67	117	.....
Toronto (*a*)	41.11	49.45	43.19	44.58	June 24	*e* 86	June 26	79.98	Feb. 17	— 7	Feb. 17	1.60	93	5.99
Windsor	38.22	47.65	40.48	42.12	July 7	*e* 87	July 14	77.30	Feb. 11	— 6	Feb. 11	4.00	93	6.26
MAINE—														
Cornish, [Guptill]	39.26	48.90	41.31	43.17	June 18	*f* 88	June 25	80.67	Feb. 12	— 7	Feb. 11	— 3.33	95	4.90
Cornish, [West]	37.68	47.82	39.80	41.77	June 28	*g* 86	June 24	78.33	Feb. 12	—13	Feb. 11	— 4.67	99	4.69
Gardiner	38.57	47.76	42.16	42.83	June 18	*g* 88	July 8	79.33	Jan. 9	—24	Dec. 30	— 7.00	112	5.57
Perry	37.10	45 91	38.39	40.47	July 7	88	July 7	75.33	Dec. 30	— 8	Dec. 30	— 2.67	96	4.79
Portland	40.18	48.99	42.49	43.89	June 18	*h* 87	July 8	78.50	Feb. 12	— 6	Feb. 11	2.33	93	5.52
Steuben (*a*)	37.30	46.53	38.99	40.94	July 8	88	July 8	88.33	Feb. 12	—10	Feb. 11	— 1.00	98	.....
NEW HAMPSHIRE—														
Shellburne	37.29	52.69	39.99	43.32	July 8	96	July 8	84.00	Dec. 30	—18	Feb. 11	— 3.33	114	5.59
West Enfield	37.62	48.27	39.69	41.86	June 27	94	June 25	81.33	Mar. 5	—18	Feb. 11	— 4.33	112	5.22
VERMONT—														
Brandon	38.84	50.01	41.45	43.43	June 25	91	June 25	82.00	Feb. 16	—13	Feb. 13	— 3.33	104	5.35
Burlington	39 02	47.14	41.74	42.63	June 25	*i* 88	June 26	82.00	Feb. 12	—14 *j*	Mar. 4	— 1.66	102	5.12
Craftsbury	35.26	45.93	38.51	39.90	June 18	89	June 25	78.00	Feb. 12	—18	Feb. 11	—10.00	107	5.44
Rupert	41.21	54.69	49.29	48.40	July 10	96	July 10	88.67	Mar. 4	— 6	Mar. 4	5.33	102	5.70
St. Johnsbury	34.35	47.58	37.21	39.71	June 24	*k* 90	June 24	77.67	Feb. 12	—31	Feb. 12	—12.67	121	5.64
MASSACHUSETTS—														
Amherst (*a*)	41.77	53.18	45.32	46.76	July 11	92	June 26	82.50	Mar. 4	— 8	Feb. 11	5.70	100	5.31
Cambridge	42.47	53.72	45.25	47.15	July 8	91	July 10	80.00	Mar. 4	0	Mar. 5	6.33	91	5 05
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.32
Lawrence	40.22	52.93	44.96	45.80	July 11	95	July 11	82.33	Feb. 12	— 2	Feb. 11	6.00	97	5.01
Mendon	42.74	53.00	44.65	46.80	June 25	*h* 92	July 11	82.00	Mar. 3	0 *l*	Feb. 11	7.00	92	4.79
Nantucket	48.12	53.65	47.81	49.86	July 9	*m* 80	July 11	74.67	Feb. 17	11	Mar. 5	16 83	69	4.82
New Bedford	44.56	53.74	45.89	48.06	June 25	84	June 28	76.33	Mar. 5	3 *n*	Mar. 5	8.20	81	5.80
Westfield	40.79	52.88	44.58	46.08	June 25	92	June 25	80.67	Feb. 24	— 3 *o*	Feb. 12	7.00	95	5.42
Williamstown	40.38	49.68	42.99	44.35	July 10	86	July 10	81.00	Mar. 4	—10	Feb. 24	0.00	96	5.82
Worcester	43.18	53.82	45.56	47.52	June 25	*h* 92	June 25	82.67	Mar. 4	3 *p*	Mar. 5	7.67	89	5.12
RHODE ISLAND—														
Providence (*a*)	43.81	55.14	45.99	48.31	June 25	91	July 10	81.33	Ma . 4	2	Mar. 5	10.00	89	4.68
CONNECTICUT—														
Columbia	43.69	54.72	43.58	47.33	June 25	92	June 25	81.33	Mar. 4	— 6	Mar. 4	5.33	98	5.10
Pomfret	41.27	51.16	43.60	45.34	June 25	86	June 26	80.10	Mar. 4	1	?	?	?	5.11
Saybrook	45.53	53.91	46.59	48.68	July 28	86	June 28	78.33	Feb. 17	6	Mar. 5	8.67	80	4.89
Wallingford	41.63	55.09	45.01	47.24	June 26	92	June 26	81.50	Mar. 4	— 4.5	Mar. 5	6.50	96.5	4.38
NEW YORK—														
Bellport	47.27	53.46	47.23	49 32	June 26	*q* 87	June 26	79.33	Mar. 4	*p* 6	Mar. 5	8.67	81	4.47
Buffalo (*a*)	46.80	51.05	47.79	48.55	July 9	85	July 9	80.33	Feb. 11	4	Mar. 5	8.33	80	5.37
Clinton	43.64	54.76	44.37	47.59	July 10	96	July 10	86.67	Feb. 19	—12	Mar. 5	2.33	108	6.27
Fishkill	44.91	56.08	48.23	49.74	June 26	94	June 26	85.33	Feb. 24	— 4	Feb. 23	8.67	98	4.53
Fort Edward	40.12	51.22	43.91	45.08	June 28	*r* 90	June 26	*s* 82.00	Feb. 12	—18	Feb. 14	— 2.67	108	5.56
Flatbush	46.65	56.01	48.05	50.24	June 26	93	June 28	83.20	Mar. 5	7	Mar. 5	9.40	86	5.18
Nichols	42.69	56.20	43.04	47.31	June 25	*t* 94	July 3	*u* 82.67	Feb. 24	—13	Mar. 5	3.00	107	6.08
Rochester	44.45	53.45	47.39	48.43	June 24	94	June 24	*u* 83.33	Feb. 19	*p* 2	Mar. 5	6.80	92	5.66
Sag Harbor (*a*)	47.20	59.16	48.38	51.58	June 28	95	June 28	82.00	Mar. 4	3	Mar. 5	10.67	92	4.88
Waterford (*a*)	42.60	54.27	45.44	47.44	July 8	*b* 91	June 27	83.67	Feb. 23	—18	Feb. 23	2.00	109	5.40
NEW JERSEY—														
Lambertville	45.46	60.45	48.74	51.55	June 26	98	.....	.....	Feb. 21	— 8.7	.....	.....	106.7	.....
Newark (*a*)	.....	.....	.....	50.51	June 26	*h* 91	July 11	84.00	Feb. 24	—0.25	Mar. 5	10.88	91.25	.....
PENNSYLVANIA—														
Berwick	46.59	58 02	49.17	51.26	June 25	93	July 10	84.00	Feb. 24	— 2	Mar. 5	5.33	95	4.24
Cannonsburg	47.00	57.70	52.24	52.31	July 1	92	July 1	81.67	Feb. 23	*v* 0	Feb. 23	12.67	92	6.07
Easton (*a*)	44.38	56.65	47.48	49.50	July 11	*w* 94	?	?	Feb. 24	— 5	Mar. 5	6.20	99	5.74
Fleming	41.37	57.93	47.06	49 79	June 22	95	July 3	81.33	Feb. 24	— 6	Mar. 5	7.67	101	5.45
Gettysburg	46.32	59.70	50.14	52.05	June 30	*w* 95	July 11	85.00	Feb. 24	— 8	Mar. 5	8.00	103	4.82
Harrisburg, [Heisely]	50 34	60.04	55.20	55.19	June 26	96	July 11	89.00	Feb. 23	4	Mar. 5	16.00	92	5.02
Harrisburg, [Hickok]	47.00	57.97	51.54	52.17	July 11	*w* 93	July 11	85.67	Feb. 25	2	Mar. 5	11.17	91	5.58
Lewisburg	44.75	56.73	48.19	49.89	June 26	*w* 93	July 10	84.00	Feb. 24	— 6	Feb. 17	9.53	99	6.07
Morrisville	46.15	59.10	49.27	51.51	June 28	96	June 28	*h* 86.00	Feb. 24	— 2	Mar. 5	11.00	98	3.89
Mount Joy	49.11	62.51	52.49	54.70	July 11	103	July 11	92.67	Feb. 24	— 7.5	Mar. 5	9.67	110.5	4.47
Murrysville	45.63	58.07	47.33	50.34	June 24	*x* 91	June 29	81.00	Feb. 22	—14	Feb. 22	1.67	105	5.72
Norristown	46.83	57.14	49.88	51.28	July 29	91	June 28	83.50	Feb. 24	—10	Feb. 24	8.80	101	4.97
North Whitehall (*a*)	43.82	57.17	52.27	51.09	Aug. 11	*b* 90	June 28	82.33	Feb. 25	— 5	Mar. 5	8.00	95	.....
Paradise	.....	.....	.....	52.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philadelphia	50.22	60.74	53.98	54.98	June 28	*h* 95	June 28	*h* 89.20	Mar. 5	*n* 10	Mar. 5	14.33	85	5.42
Pittsburg, [Mar. Hosp.]	48.02	57 86	51.68	52.52	July 3	*w* 91	July 2	81.67	Feb. 23	— 2	Mar. 5	9.00	93	5.92

a For changes in hours of observation, interruptions, &c., see monthly tables.
b Same temperature June 26th and 27th.
c Same temperature June 25th.
d Same temperature August 12th.
e Same temperature September 8th.
f Same temperature June 25th and July 8th.
g Same temperature July 8th.
h Same temperature July 11th.
i Same temperature June 26th.
j Same temperature February 13th.
k Same temperature June 12th.
l Same temperature March 4th.
m Same temperature July 11th and 12th, and August 6th.
n Same temperature March 6th.
o Same temperature December 26th.
p Same temperature March 5th.
q Same temperature June 28th.
r Same temperature July 9th.
s Same temperature June 29th.
t Same temperature July 3d and 10th.
u Same temperature July 10th.
v Same temperature February 21th.
w Same temperature July 29th.
x Same temperature July 1st.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
PENNSYLVANIA—Cont'd.														
Pocopson	47.91	60.03	50.33	52.76	June 26	*a* 96	June 27	86 67	Feb. 24	— 9	Feb. 23	10.33	105	5.37
Shamokin	40.79	55.42	49.19	48.47	July 3	96	July 3	84.00	Feb. 25	— 8	Feb. 11	7.33	104	5.28
Somerset	43 86	56.66	47.07	49.20	July 2	*b* 91	July 2	79 67	Mar. 5	— 2 *c*	Mar. 5	2.33	93	6.64
Tarentum	46.03	59.40	48.54	51.32	July 3	*d* 91	July 3	84.01	Feb. 23	— 5 *e*	Mar. 5	7.00	96	5.61
Westtown	46.89	57.73	49.23	51.28	June 25	*f* 93	July 11	84.87	Feb. 24	— 8	Mar. 5	8.83	101	5.31
DELAWARE—														
Georgetown	53.28	62.70	58.10	58.03	July 29	98	July 10	90.00	Mar. 5	11	Mar. 5	16.33	87	.....
MARYLAND—														
Annapolis	50.11	60.40	56.63	55.51	July 29	97	July 29	87.33	Mar. 5	*c* 9	Mar. 5	16.00	88	4.81
Baltimore (*g*)	50.17	59.81	54.50	54.83	June 30	*f* 94	June 31	86.83	Feb. 24	5	Feb. 21	11.50	89	? 5.82
Bladensburg (*g*)	47.64	62.10	49.81	53.18	July 19	98	July 3	84.67	Feb. 24	5	?	?	93	? 5.57
Frederick	49.65	58.82	51.53	53.33	June 30	93	July 3	87.50	Feb. 24	5	Mar. 5	14.17	88	5.03
Sykesville	47 68	59.40	51.18	52.76	July 29	*h* 89	June 30	83.00	Feb. 24	0	Mar. 5	9.67	89	4.79
DIST. OF COLUMBIA—														
Washington (*g*)	59.43	60.60	54.72	55.25	June 30	94	June 28	87.00	Mar. 5	9	Mar. 5	14.33	85	5.14
VIRGINIA—														
Crichton's Store (*g*)	55.43	65.84	64.21	61.83	Aug. 12	100	.....	?	Mar. 5	17	Mar. 5	21.34	83	5.07
Hartwood	51.48	63.61	53.72	56.27	Aug. 11	*i* 98	June 29	85.33	Feb. 24	*j* 10	Mar. 5	15.33	88	.....
Meadow Dale	41.73	55.93	50.06	49.24	June 29	*a* 86	June 29	78.00	Mar. 6	— 1	Mar. 5	7.00	87	.....
Poplar Grove	49.66	65.69	52.43	55.93	June 30	98	June 30	87.33	Feb. 23	4	Mar. 6	17.67	94	5.76
Portsmouth	55 28	66.96	55.61	59.28	July 3	*k* 100	July 3	*l* 88.33	Mar. 6	15	Mar. 5	21.33	95	3.60
Rougemont (*g*)	51.47	65.21	55.20	57 29	June 26	*a* 100	June 30	91.33	Mar. 5	*c* 8	Mar. 5	14.67	92	5.48
Smithfield (*g*)	52.19	61.04	56.87	57.70	June 27	93	Aug. 2	86.40	Mar. 5	11	Mar. 5	18.40	82	5.28
Wirt Court-House	48.02	61.48	51.01	53.50	June 30	94	June 30	*m* 83 00	Mar. 7	— 7	Feb. 23	11.00	101	5.37
NORTH CAROLINA—														
Chapel Hill	53.70	67.81	56.35	59.30	Aug. 11	98	June 30	86.67	Mar. 3	18	Mar. 3	25.00	80	5.11
Davidson College (*g*)	53.07	65.88	57.64	58.86	Aug. 3	*n* 93	Aug. 2	84 50	Mar. 3	16	Mar. 2	21 67	77	4.37
Gaston	53.04	66 60	54.37	58 00	July 1	*o* 101	July 4	90.67	Mar. 6	13	Mar. 5	19.67	87	.....
Murfreesborough (*g*)	54.81	65.99	57.78	59 53	Aug. 4	98	Aug. 4	88 67	Mar. 6	17	Mar. 6	22.33	81	4.21
SOUTH CAROLINA—														
Aiken	56 58	70.71	59.12	62.03	Aug. 4	100	July 24	84.33	Mar. 2	20	Mar. 2	26.67	80	4.73
All Saints	60.08	69.03	63.42	64.18	Aug. 7	*p* 89	July 3	84.67	Mar. 3	24	Mar. 3	30.00	64	4.50
Charleston, [Dawson]	62.55	70.35	65.60	66.17	July	94	.....	.....	March	29	.....	.....	65	.....
Charleston, [Johnson]	62.70	70.35	65.89	66.31	July 4	91	July 4	87.33	Mar. 3	29	Mar. 2	35.00	65	.....
GEORGIA—														
Savannah	61.70	72.79	65.56	66.68	July 4	97	July 3	86.97	Mar. 2	27	Mar. 2	34.60	70	4.87
Sparta	55.83	71.87	61.74	63.15	Aug. 3	98	Aug. 3	84.67	Mar. 3	20	Mar. 2	29.00	78	4.80
Whitemarsh Island	62.68	71.23	64.72	66.21	July 3	94	July 3	86.00	Mar. 2	27	Mar. 2	33.67	67	4.76
FLORIDA—														
Alachua County (*g*)	62.23	75.99	66.63	68.28	July 1	98	July 4	84.33	Mar. 3	30	.....	?	68	3.65
Alligator	63.07	77.92	66.72	69.24	Aug. 2	100	Aug. 2	89.33	Mar. 2	*q* 27	Mar. 2	33.00	73	4.67
Aisena	67.73	73 28	70.54	70.52	Aug. 4	90	July 4	86 67	Mar. 2	32	Mar. 2	39.33	58	3.94
Belair	62.66	77.02	68.61	69.44	June 5	*r* 96	July 4	88.33	Mar. 2	*s* 30	Mar. 2	40.00	66	?
Jacksonville	66.61	75.29	67.42	69.77	June 2	*t* 96	July 3	88.33	Mar. 2	*u* 34	Mar. 2	39.00	62	4.54
Salt Ponds	75.70	81.27	.....	78.48	Aug. 2	*v* 92	Aug. 2	*v* 88.00	Mar. 3	54	Mar. 3	55.50	38	4.13
ALABAMA—														
Greene Springs	57.31	71.31	59.82	62.81	June 3	*w* 95	Aug. 7	85.00	Feb. 23	22	Feb. 22	31.00	73	4.32
MISSISSIPPI—														
Columbus	56 67	70.82	60.77	62.75	Aug. 8	93	July 19	*x* 84.33	Feb. 23	19	Feb. 22	26.70	77	4.26
LOUISIANA—														
New Orleans (*g*)	70.60	74.99	76.57	74.05	Aug. 1	*y* 95	July 23	91.67	Feb. 23	34	Feb. 23	39.33	61	.....
TEXAS—														
Austin, [Palm]	62.39	76.50	65.18	68.02	July 23	*z* 98	July 23	89.00	Dec. 8	25	Dec. 3	23.33	73	4.05
Austin, [Van Nostrand]	61.14	75.83	65 63	67 53	Aug. 20	98	Aug. 20	89.83	Dec. 9	22	Dec. 8	30.25	76	4 54
Goliad (*g*)	64.59	75.28	67.25	69.04	Aug. 20	*aa* 96	July 26	87.33	Feb. 23	30	Dec. 8	36.33	66	4.82
Larissa	59.80	73.80	61.12	65.91	Aug. 20	100 *bb*	Aug. 22	*cc* 87.67	Feb. 23	21	Dec. 8	28.33	79	3.72
Union Hill	58.24	72.80	61.60	64.21	July 20	99	Sept. 2	*dd* 84.67	Dec. 9	22	Dec. 8	27.33	77	5.03
TENNESSEE—														
Glenwood	51.96	64.01	55.39	57.12	Aug. 13	90	June 27	*ee* 80.93	Feb. 23	8	Feb. 22	15.60	82	5.40
Memphis	57.03	67.34	59.94	61.44	Aug. 1	*l* 95	Aug. 3	86.67	Feb. 23	16	Feb. 22	22 33	79	4.56
KENTUCKY—														
Bardstown	51.05	63.29	54.33	56.22	June 30	95	June 30	90.50	Feb. 23	—10	Feb. 23	8.67	105	5.07
Paris	49.35	60.87	52.49	54.24	June 30	92	July 3	84 33	Feb. 23	—11	Feb. 23	6.00	103	5.55
Springdale (*g*)	46.59	64.51	57.32	56.15	Aug. 7	98	Aug. 2	85.67	Feb. 23	—10	Feb. 23	12.17	108	5.28
OHIO—														
Bellefontaine	47.84	59.27	48 65	51.92	June 26	95	June 26	85.67	Feb. 23	— 8	Feb. 10	8.33	103	5.65
Bowling Green	46.28	58.32	48.74	51.11	June 30	94	June 30	84.00	Feb. 11	— 8	.....	?	102	.....
Cincinnati, [Harper]	52.81	64.57	56.98	58.12	June 29	94	June 26	87.00	Feb. 23	1	Feb. 10	16.67	93	5.24
Cleveland	46.61	55.32	47.91	49.96	July 8	92	June 27	84 67	Feb. 23	— 8.5	Feb. 11	8.59	100.5	.....

a Same temperature June 30th.
b Same temperature July 17th.
c Same temperature March 6th.
d Same temperature June 23d and 27th.
e Same temperature February 21th.
f Same temperature July 29th.
g For changes in hours of observation, interruptions, &c., see monthly tables.
h Same temperature June 27th and 30th.
i Same temperature June 27th and 29th.
j Same temperature March 5th.
k Same temperature August 2d and 4th.
l Same temperature August 4th.
m Same temperature July 28th.
n Same temperature August 4th, 6th, 7th, and 12th.
o Same temperature July 4th and August 3d.
p Same temperature July 22d and 30th.
q Same temperature March 4th.
r Same temperature July 4th, and August 3d and 4th.
s Same temperature November 25th.
t Same temperature July 4th.
u Same temperature March 2d and 3d.
v Same temperature August 3d.
w Same temperature August 7th.
x Same temperature July 20th.
y Same temperature August 6th.
z Same temperature August 14th, 20th, and 21st.
aa Same temperature August 28th.
bb Same temperature August 14th, 26th, and 27th.
cc Same temperature July 19th and August 26th.
dd Same temperature September 3d.
ee Same temperature July 3d and August 13th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp	Date.	M'n temp	Date.	Temp	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
OHIO—Continued.														
Cleveland, (near).	.....	.....	.....	54.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edinburg	46.01	55.95	46 82	49.59	June 22	96	June 22	84.00	Feb. 23	—12	Mar. 5	1.33	108	5.83
Hillsborough	47.74	57.16	51.68	52.19	June 30	92	June 30	83.70	Feb. 11	2	Mar. 2	11.30	90	4.89
Hiram	46.12	55.14	47.44	49 57	June 23	*a* 90	June 30	82.67	Feb. 11	— 5	Mar. 5	5.00	95	6.38
Jefferson	49.63	55.38	51.76	52 26	June 29	96	June 29	90.67	Feb. 23	—10	Mar. 6	2.67	106	7.53
Madison, [Atkins]	48 26	55.04	47.11	50.14	June 25	91	June 25	85.00	Feb. 23	— 6	Mar. 5	4.67	100	5.74
Madison, [King]	46 95	55.35	44.76	49.02	June 27	92	June 27	83.00	Feb. 23	—12	Mar. 5	3.67	104	5 91
New Lisbon	49.95	65.26	52.15	55.79	June 24	*b* 106	June 25	*c* 89.33	Feb. 23	—12	Mar. 5	7.10	118	4.30
Savannah	46.87	59.43	47.37	51.22	June 30	98	June 24	88.00	Feb. 23	—14	Mar. 5	0.00	112	6.47
Urbana	46.50	60.50	48.35	51.78	June 23	97	June 27	88.00	Feb. 23	—12	Feb. 22	4.33	109	5.75
Welchfield	46.55	57.10	45.70	49.78	July 1	101	July 1	*d* 86.67	Feb. 11	— 6	Feb. 11	4.33	107	5.04
Westerville	47.52	59.31	50.48	52.44	June 26	*e* 94	July 8	86.33	Feb. 23	—10	Feb. 23	6.67	104	5.92
Windham	44.27	56.31	47.35	49.31	June 26	91	June 26	81.00	Feb. 23	—12	Mar. 5	7.67	103	.....
MICHIGAN—														
Battle Creek	45.28	56.40	47.14	49.61	Aug. 7	97	Aug. 7	85.67	Feb. 22	—15	Feb. 10	4.33	112	4.95
Cooper	47.81	54.63	46.77	49.74	June 28	*f* 98	June 29	*e* 89.33	Feb. 10	— 4	Feb. 10	— 4.00	102	3.66
Grand Rapids, [Streng]	42.45	56.09	45.76	48.10	Aug. 6	*g* 98	Aug. 7	87.00	Feb. 22	—16	Feb. 22	2.67	114	6.12
Marquette	38.22	46.78	38.29	41.10	June 22	94	June 22	82.13	Feb. 11	—12 *h*	Feb. 10	— 7.83	106	5 98
New Buffalo (i)	46.64	55.11	45.20	48.98	June 30	94	June 26	81.00	Feb. 11	—14	Feb. 10	— 0.67	108	6.86
Port Huron	44.52	54.29	44.54	47.78	June 30	97	June 30	83.33	Feb. 11	—13	Feb. 11	0.67	110	5.87
INDIANA—														
Logansport (i)	47.18	60.35	51.19	52.91	Aug. 6	99	June 26	87.33	Feb. ?	—10	?	?	109	.....
Madison	49.54	58.30	51.93	53.26	June 23	*j* 90	June 23	*k* 83.00	Feb. 23	2	Feb. 22	11.33	88	5.15
New Harmony	52.19	62.69	54.64	56.51	July 12	94	June 27	87.33	Feb. 23	2	Feb. 10	13.00	92	5.33
Richmond, [Moore]	46.44	57.83	50.05	51.44	Aug. 6	92	June 27	83.00	Feb. 23	— 8	Feb. 10	8.30	100	.....
ILLINOIS—														
Athens	47.05	60.43	48.40	51.96	Sept. 6	99	Aug. 8	85.00	Feb. 23	—17	Feb. 10	— 8.33	116	5.38
Augusta	45.27	56.97	49.89	50.71	July 1	*l* 91	Aug. 9	83.33	Feb. 11	—23	Feb. 10	—11.00	114	4.67
Aurora	44.38	55.79	46.06	48.74	June 30	93	Aug. 9	81.67	Feb. 11	—15	Feb. 10	— 6.67	108	5.54
Batavia, [Mead]	41.84	56.14	43.62	47.20	Aug. 10	102	June 23	89.00	Feb. 23	—23	Feb. 10	—11.67	125	5.89
Brighton	45.85	62.86	55.14	54.62	Aug. 9	95	Aug. 9	88.33	Feb. 15	0	Feb. 15	6.33	96	.....
Edgington	44.04	56.85	47.74	49.54	Aug. 9	100	Aug. 8	86.33	Feb. 10	—17	Feb. 10	—10.67	117	5.97
Elgin	42.47	54.14	44.46	47.02	Aug. 5	*m* 93	Aug. 5	82.00	Feb. 23	—26	Feb. 10	—12.00	119	.....
Manchester (i)	46.88	59.89	49.53	52.10	Aug. 8	94	Aug. 8	85.00	Feb. 10	—11	Feb. 10	— 5.67	105	5.36
Marengo	45.77	55.99	44.89	48.88	Aug. 9	100	Aug. 5	*n* 88.00	Dec. 9	—16	Feb. 11	— 9.33	116	5.90
Ottawa	44.74	54.95	47.35	49.01	Aug. 10	94	Aug. 5	84.00	Feb. 23	—12	Feb. 10	— 9.67	103	5 39
Pekin	45.08	57.29	47.89	50 09	July 6	*l* 94	Aug. 5	*o* 84.67	Feb. 11	—16	Feb. 10	— 7.00	110	5.25
Peoria	47.36	59.60	50.41	52.46	Aug. 8	102	Aug. 8	88.92	Feb. 11	—15	Feb. 10	— 8.50	117	5.17
Riley	42.27	53.72	42.88	46.27	June 29	*p* 92	June 29	*q* 82.33	Feb. 23	—22	Feb. 10	—13.33	114	4.81
Waynesville (i)	43 14	.....	52.34	47.74	Aug. 5	97	Aug. 8	84.67	Feb. 23	—18	Feb. 10	—10.00	115	.....
West Salem	50.72	64.56	53.23	56.17	Aug. 5	99	Aug. 5	86.33	Feb. 23	— 1	Feb. 10	—10.00	100	5.11
West Urbana	48 11	58.05	50.17	52.11	July 8	*r* 96	June 27	89.00	Feb. 23	—11	Feb. 10	— 5.00	107	5.58
Wheaton	43.52	53.74	47.25	48.17	Aug. 9	93	Aug. 5	83.93	Feb. 11	—22	Feb. 10	—11.50	115	6.27
Winnebago	42.72	55.25	45.30	47.76	June 29	*s* 93	Aug. 6	84.00	Dec. 9	—17	Feb. 10	— 8.83	110	5.63
MISSOURI—														
St. Louis	52.02	63.13	54.93	56.69	July 9	99	July 2	90 50	Feb. 23	0	Feb. 10	6.33	99	.....
WISCONSIN—														
Appleton	41.09	52.28	44.22	45.86	June 28	95	June 26	*l* 84.00	Dec. 9	—18	Dec. 8	— 9.00	113	5.16
Bay City	35.63	44.41	36.82	38 95	July 6	99	July 6	84 33	Feb. 10	—24 *u*	Feb. 10	—14.00	123	5.02
Beloit	42 96	55.41	44.91	47.76	Aug 6	*v* 94	Aug. 6	84.67	Feb. 22	—16	Feb. 10	— 8.33	110	4.65
Kenosha	41.37	51.74	45.90	47.34	Aug. 9	*w* 88	Aug. 6	82 17	Feb. 11	—14	Feb. 10	— 7.33	102	4.81
Manitowoc	42.57	51.73	44.44	46.24	Aug. 9	91	Aug. 9	81.67	Feb. 10	—11 *u*	Feb. 10	— 4.00	102	6.29
Milwaukee, [Pomeroy]	43 53	51.65	43.93	46 37	June 29	*v* 89	Aug. 7	83.33	Feb. 10	—12 *x*	Feb. 10	0.33	101	6 91
Milwaukee, [Winkler]	43.03	51.81	43.52	46.12	Aug. 9	93	Aug. 9	81.33	Feb. 10	—14	Feb 9	— 9.00	107	4.91
Platteville	43.28	56.40	46.13	48.70	Aug. 5	102	Aug. 5	*n* 89.33	Feb. 10	—19	Feb. 10	—11.67	121	5.54
IOWA—														
Bellevue	42.42	55.86	45.12	47.80	Aug. 9	96	Aug. 6	*m* 84.67	Feb. 23	—12	Feb. 10	— 8.33	108	5.85
Border Plains	43.11	55.43	45.13	47.89	Aug. 9	98	Aug. 9	88 67	Dec. 9	—22	Dec. 9	— 5.33	120	5 61
Dubuque	44.15	54.02	46.97	48.39	Aug. 9	96	June 28	86.33	Feb. 10	—14	Feb. 10	— 8.00	107	5.14
Fairfield	45.80	56.35	47.56	49.90	Aug. 10	94	Aug. 10	87.67	Feb. 22	—15	Feb. 10	— 7.67	109	5.85
Fort Madison (i)	45.00	56.66	50.19	50 62	Aug. 12	*y* 95	June 29	87.33	Feb. 10	—16	Feb. 10	—10.00	111	4.97
Muscatine	42.68	55.20	45.55	47.81	Aug. 9	93	Aug. 7	81.33	Feb. 10	—22	Feb. 10	—15.00	115	4.07
Pleasant Plain	44.66	57.71	46.80	49.72	July 9	96	Aug. 8	85.67	Feb. 10	—16	Feb. 10	—10.00	112	5.13
MINNESOTA—														
Hazlewood	38.86	48.86	41.46	43.06	June 23	92	June 30	84 67	Dec. 8	—16	Dec. 8	— 9.00	108	4.85
NEBRASKA—														
Bellevue	44.87	55.43	47.13	49.14	June 30	*z* 90	Aug. 9	84.00	Feb. 10	—18	Feb. 10	— 5.33	108	.....
KANSAS—														
Burlingame	47.25	61.13	49.75	52.71	July 20	95	July 20	82.67	Dec. 8	— 4	Feb. 10	*aa* 8.00	99	4.37
Lawrence (i)	49.07	61.94	52.51	54.51	Aug. 11	98	Aug. 11	88.00	Dec. 8	— 3	Feb. 15	6.33	101	4.55

a Same temperature June 29th and 30th.
b Same temperature June 27th.
c Same temperature July 1st.
d Same temperature June 23d and 30th.
e Same temperature June 30th.
f Same temperature July 1st, 2d, and 3d.
g Same temperature June 28th and 30th.
h Same temperature March 5th.
i For changes in hours of observation, interruptions, &c., see monthly tables.
j Same temperature July 7th and 21st.
k Same temperature July 3d, and August 6th and 8th.
l Same temperature August 9th and 10th.
m Same temperature August 9th.
n Same temperature August 6th.
o Same temperature August 10th.
p Same temperature July 8th.
q Same temperature August 5th and 6th.
r Same temperature August 2d, 5th, 7th, and 10th.
s Same temperature August 5th and 9th.
t Same temperature June 28th.
u Same temperature December 9th.
v Same temperature August 7th.
w Same temperature September 7th.
x Same temperature February 11th.
y Same temperature June 28th, 29th, and 30th.
z Same temperature August 9th and 17th.
aa Same temperature December 7th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a.m.	2 p.m.	9 p.m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
KANSAS—Continued.	°	°	°	°		°		°		°		°	°	
Leavenworth City	49.87	60.25	50.95	53.69	July 19	96	June 30	88.67	Dec. 8	— 7	Feb. 10	*a* 5.00	103	5.25
Manhattan	.....	.....	.....	54.16	June 25	*b*100	Aug. 11	91.33	.....	.....	.....	.....	.....	.....
CALIFORNIA—														
Marysville.....	55.87	72.03	63.31	63.32	July 10	103	July 10	90.67	Dec. 7	29	Dec. 7	38.00	74	3.04
Sacramento	54.73	64.64	59.36	59.58	July 11	97	July 11	85.67	Dec. 8	29	Dec. 7	36.00	68	2.81
San Francisco	53.09	62.09	53.52	56.23	Sept. 30	91	Sept 30	73.33	Dec. 7	*a* 36	Dec. 7	40.67	55	3.73
MEXICO—														
Vera Cruz (*c*)	76.88	.....	77.04	76.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CENTRAL AMERICA—														
Guatemala (*c & d*)	56.56	72.71	61.31	66.04	April ...	89.6	.....	.....	March...	41.4	.....	.....	48	.....
SOUTH AMERICA—														
Cathr'a Sophia, Sur.(*c*)	74.96	85.30	79.86	80.04	June 22	*e* 91	June 26	*f* 83.00	Feb. 3	*g* 70	Mar. 16	*h* 75.33	21	.....

a Same temperature December 8th.
b Same temperature August 11th.
c For changes in hours of observation, interruptions, &c., see monthly tables.
d Mean at 9 a. m., 66.59; mean at noon, 73.02.
e Same temperature September 9th and November 2d.
f Same temperature September 8th.
g Same temperature March 14.
h Same temperature September 24th.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7a.m.	2p m.	9p m.	7a.m.	2p.m.	9p.m.
	Inches	*Inches*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.238	.263	.247	June 25	.997	Jan. 23	.000	743	664	729	0	20	18
St. Martin (*a*)	.226	.320	.265	July 7	1.304	Feb 12	.002*b*	819	705	829	18	24	46
Toronto (*a*)	.247	.270	.256	June 27	.858	Feb. 5	.020	793	633	766	24	17	38
Windsor	.247	.288	.255	July 14	.923	Feb. 13	.017	851	724	836	22	27	33
MAINE—													
Portland	.250	.268	.261	July 11	.836	Feb. 13	.032	797	633	785	22	13	34
MASSACHUSETTS—													
Amherst (*a*)	.276	.302	.287	June 26	1.127	March 4	.031	849	631	784	45	20	25
Lawrence	.255	.296	.283	June 27	1.038	Jan. 23	.015	787	588	771	12	15	24
Nantucket	.287	.286	.301	July 14	.758	March 6	.012	725	591	784	24	10	15
New Bedford	.297	.312	.309	June 25	.916	Feb 11	.025	840	643	840	31	14	39
Westfield	.256	.275	.293	June 25	.849	Feb. 19	.024	780	570	801	28	13	36
Worcester	.272	.292	.279	June 26	.875	Jan. 15	.000*c*	782	599	737	0	0	0
RHODE ISLAND—													
Providence (*d*)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CONNECTICUT—													
Pomfret	.304	.311	.307	June 26	.936	Feb. 18	.043	887	744	868	47	30	43
Wallingford	.278	.301	.293	July 11	.887	Jan. 22	.038	850	587	805	45	17	34
NEW YORK—													
Buffalo (*a*)	.282	.299	.297	Aug. 10	.841	Feb. 11	.038	742	677	743	36	24	35
Clinton	.259	.267	.253	July 9	.832	Feb. 13	.008	675	529	676	23	20	21
Fort Edward	.272	.326	.302	June 25	1.189	March 7	.019	820	707	838	24	13	41
New York city	.297	.316	.312	July 3	.870	March 5	.016	685	579	664	21	18	15
PENNSYLVANIA—													
Easton (*a*)	.284	.280	.294	July 3	.884	Feb. 11	.022	775	535	736	40	10	28
Harrisburg, [Hickok]	.296	.305	.321	July 3	.850	Feb. 27	.009	751	542	692	9	14	19
Lewisburg	.298	.313	.311	June 6	.942	March 5	.022	798	554	737	29	14	18
Murrysville	.269	.293	.289	June 28	.976	March 6	.004*e*	693	507	727	4	4	13
Norristown	.304	.327	.318	July 29	1.019	Feb. 25	.024	795	597	728	42	13	30
Philadelphia	.329	.340	.351	July 3	.975	March 5	.023	745	548	700	40	18	28
Somerset	.303	.361	.321	July 3	.887	Feb. 11	.028	892	701	858	50	37	36
Westtown	.335	.369	.350	July 10	1.148	Feb. 11	.025	847	667	838	37	13	36
MARYLAND—													
Annapolis	.365	.377	.405	Aug. 4	.989	Feb. 17	.055	824	630	766	50	28	34
Frederick	.335	.379	.365	June 8	1.051	Feb. 25	.000	800	654	795	2	0	28
DISTRICT OF COLUMBIA—													
Washington (*a*)	.348	.347	.362	June 29	.923	March 5	.025*f*	780	565	712	31	14	17
NORTH CAROLINA—													
Murfreesborough (*a*)	.473	.576	.516	Aug. 2	1.400	March 5	.103	920	814	897	46	51	57
SOUTH CAROLINA—													
All Saints	.501	.545	.531	Aug. 22	1.111	March 4	.090	863	710	827	49	34	47
Charleston, [Dawson] (*g*)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEORGIA—													
Savannah	.516	.520	.534	July 5	1.001	March 3	.064	856	614	794	40	24	27
FLORIDA—													
Jacksonville	.612	.693	.632	July 1	1.282	March 3	.155	879	762	876	62	40	63
MISSISSIPPI—													
Columbus	.456	.489	.487	June 27	.974	Feb. 11	.077	855	577	800	49	18	37
TEXAS—													
Austin, [Van Nostrand]	.487	.447	.464	May 29	.918	Jan. 18	.047	821	492	683	35	15	12
Goliad (*a*)	.548	.541	.576	July 30	.990	Dec. 23	.000	835	574	790	0	8	27
Larissa (*a*)	.492	.569	.521	July 8	1.042	Feb. 23	.077	852	632	797	47	23	48
TENNESSEE—													
Glenwood	.382	.396	.406	Aug. 5	.899	Feb. 10	.012	830	576	791	33	16	20
Memphis	.451	.443	.471	July 5	1.010	Jan. 30	.003	843	603	792	15	1	29

* The maxima being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see monthly tables.
b Same amount February 13th.
c Same amount February 15th, 22d, 23d, and 26th, March 2d, and April 15th.
d Mean relative humidity, 62 | For changes in hours of observation, &c., see monthly tables.
e Same amount December 10th.
f Same amount March 6th.
g Mean force of vapor .545; obtained approximately from the mean dew point.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7 a.m.	2 p m	9 p.m	7a.m	2p m.	9 p.m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Bardstown	.382	.409	.397	Aug. 6	.963	Feb 12	.050	853	624	809	30	15	27
Springdale (*a*)	.324	.435	.409	Aug. 6	1.427	Feb. 9	.000	883	662	792	0	19	22
OHIO—													
Cincinnati, [Harper]	.375	.455	.399	July 3	1.138	March 5	.024	779	666	712	42	29	20
Savannah	.309	.368	.327	Aug. 9	1.038	March 5	.018	811	676	847	41	13	49
Westerville	.335	.382	.354	July 3	1.396*b*	Feb. 23	.028	834	652	807	31	20	40
MICHIGAN—													
Marquette	.224	.253	.222	Aug. 7	.999	Feb. 20	.000*c*	799	689	788	14	0	0
INDIANA—													
Madison	.412	.463	.436	June 27	1.311	March 23	.049	847	722	836	20	21	?
New Harmony	.398	.439	.423	July 3	1.097	Feb. 23	.048	856	673	846	26	28	37
ILLINOIS—													
Augusta	.333	.382	.356	Aug 4	.997	Feb. 23	.003?	872	698	832	14	27	43
Manchester (*a*)	.372	.481	.399	Sept. 7	1.187	Feb. 9	.027	950	812	957	56	34	61
Peoria	.343	.359	.364	July 2	1.075	March 25	.000	832	582	797	40	16	0
Wheaton	.294	.307	.298	Aug 9	.891	Dec. 19	.000	832	624	808	37	0	41
MISSOURI—													
St. Louis	.361	.387	.379	Aug. 4	.936	Dec. 8	.039	787	533	752	40	14	36
WISCONSIN—													
Appleton	.278	.361	.297	June 23	1.352	Feb. 10	.000	766	698	772	0	27	5
IOWA—													
Fairfield	.282	.303	.284	July 31	.904	Feb. 10	.000*d*	695	540	671	23	0	0
Muscatine	.453	.516	.508	June 27	1.074*e*	Feb. 11	.077	788	766	778	31	42	48
KANSAS—													
Leavenworth City	.365	.416	.373	July 15	1.023	Dec. 8	.032	834	673	831	45	23	43
MEXICO—													
Vera Cruz (*a*)	.763	------	.791	----------	------	----------	-----	813	-----	817	----	----	----
CALIFORNIA—													
Sacramento	.313	.364	.356	July 9	.689	Dec. 7	.051	721	608	710	33	19	38
San Francisco	.344	.358	.359	Oct. 21	.529	Dec. 2	.066	778	599	803	23	22	28
CENTRAL AMERICA—													
Guatemala (*f*)	.432	.417	.453	----------	------	----------	------	940	521	832	----	----	----
SOUTH AMERICA—													
Catharina Sophia, Sur. (*a*)	.743	.872	.860	May 15	1.083	April 7	.529	894	718	846	77	52	57

a For changes in hours of observation, &c., see monthly tables.
b Same amount August 10th.
c Same amount March 13th and 15th, April 7th, September 29th, and November 22d.
d Same amount February 26th.
e Same amount June 30th.
f Mean force of vapor at 9 a. m., .425, and at noon, .415. Mean relative humidity at 9 a. m., 65.1, and at noon, 51.0. For changes in hours of observation, &c., see monthly tables.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	83	175	15	32	60	172	143	202	216	1098	53	158	18	36	62	186	111	184	808
Red River Settlement	121	25	59	17	206	54	62	109	212	865	----	----	----	----	----	----	----	----	----
St. John's	90	258	12	94	45	183	152	261	0	1095	----	----	----	----	----	----	----	----	----
St. Martin	8	244	23	213	31	317	96	156	0	1088	----	----	----	----	----	----	----	----	----
Stanbridge	93	97	74	293	164	38	173	72	74	1078	----	----	----	----	----	----	----	----	----
Toronto	31	213	38	129	27	194	34	308	121	1095	----	----	----	----	----	----	----	----	----
Windsor	146	79	32	45	64	141	168	162	184	1021	----	----	----	----	----	----	----	----	----
Wolfville (*a*)	17	105	58	54	24	80	166	237	133	874	27	60	19	24	29	94	128	172	553
MAINE—																			
Cornish, [Guptill]	92	75	18	101	122	91	124	472	0	1095	----	----	----	----	----	----	----	----	----
Cornish, [West]	83	150	89	40	82	234	258	159	0	1095	9	0	0	0	0	8	30	20	67
Gardiner	38	226	27	166	26	136	34	292	137	1082	26	66	2	27	22	126	34	150	453
Perry	66	120	34	125	58	202	58	416	5	1084	41	68	8	35	25	96	69	180	522
Portland	148	132	100	76	118	110	182	210	5	1081	28	8	10	9	19	66	143	74	357
Steuben	38	303	5	76	12	310	51	255	44	1094	35	90	3	7	1	165	118	86	505
NEW HAMPSHIRE—																			
Shelburne	0	0	248	0	0	1	633	0	161	1043	9	6	39	54	13	54	285	223	683
West Enfield	18	16	4	109	214	163	61	487	15	1087	18	15	2	102	103	136	47	343	766
VERMONT—																			
Brandon	230	3	38	100	297	63	54	229	75	1089	32	1	1	7	14	84	59	332	530
Burlington	100	91	6	72	99	290	25	341	0	1024	----	----	----	----	----	----	----	----	----
Craftsbury	29	153	29	72	311	110	93	263	35	1095	35	33	6	10	51	88	172	206	601
Rupert	----	----	----	----	----	----	----	----	----	----	57	12	6	42	51	557	38	45	808
St. Johnsbury	153	26	23	64	202	41	176	372	35	1092	23	6	1	3	39	36	151	44	303
MASSACHUSETTS—																			
Amherst	89	77	30	163	88	91	58	372	1	969	14	21	8	18	28	35	43	134	301
Bridgewater (*b*)	113	118	106	39	46	199	212	169	0	1002	41	27	19	24	27	67	76	40	321
Cambridge	52	110	95	49	24	301	125	182	155	1093	----	----	----	----	----	----	----	----	----
Florida	14	81	13	107	15	138	431	296	0	1095	9	78	16	88	15	147	318	227	898
Lawrence	11	172	40	125	11	224	33	477	2	1095	----	----	----	----	----	----	----	----	----
Mendon	5	238	21	21	29	413	45	320	0	1092	8	202	22	28	28	341	58	208	895
Nantucket	50	205	46	77	56	265	83	265	48	1095	----	----	----	----	----	----	----	----	----
New Bedford	64	187	20	94	44	302	57	324	3	1095	15	38	8	6	5	28	65	101	266
Newburyport	91	41	80	46	100	37	126	128	3	652	----	----	----	----	----	----	----	----	----
Richmond (*c*)	1	109	0	117	2	207	1	428	0	865	14	80	1	107	14	156	30	207	609
Westfield	79	123	43	137	47	118	203	336	0	1086	----	----	----	----	----	----	----	----	----
Williamstown	76	19	110	104	76	80	157	259	131	1012	----	----	----	----	----	----	----	----	----
Worcester	119	159	70	75	43	158	180	202	7	1013	----	----	----	----	----	----	----	----	----
RHODE ISLAND—																			
Providence	41	220	21	31	72	265	35	389	7	1081	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	27	175	9	15	25	179	46	420	199	1095	13	105	6	8	15	124	21	264	556
Pomfret	63	197	22	50	80	219	23	428	0	1082	22	122	15	28	41	100	52	215	595
Saybrook	99	129	60	90	59	179	93	231	89	1029	22	40	23	21	21	74	125	103	429
Wallingford	207	119	19	103	189	119	89	250	0	1095	19	41	18	8	13	91	211	78	479
NEW YORK—																			
Baldwinsville	64	25	121	66	43	131	386	241	0	1077	20	3	17	16	13	48	415	159	691
Beverly	107	122	1	96	69	346	14	261	5	1021	24	72	17	69	45	222	144	115	708
Cazenovia	39	23	35	95	115	179	118	450	25	1079	30	11	12	69	43	118	229	321	833
Eden (*d*)	33	55	102	100	308	156	151	43	1	949	3	15	13	4	7	57	198	30	327
Morrisania (*e*)	98	129	65	148	107	117	185	158	0	1007	----	----	----	----	----	----	----	----	----
Nichols	60	8	50	385	127	36	80	351	1	1098	43	4	8	125	54	79	96	312	721
Ogdensburg	68	48	11	6	56	72	53	41	0	355	----	----	----	----	----	----	----	----	----
Sag Harbor	96	107	84	51	160	158	143	173	8	980	14	9	7	7	18	75	149	61	340
Saratoga	0	260	2	75	4	414	29	253	0	1037	1	272	3	74	4	405	31	239	1029
Wampsville	5	10	164	58	172	68	576	42	0	1095	6	7	153	49	141	55	470	30	911
NEW JERSEY—																			
Lambertville	52	174	37	92	76	196	45	313	0	985	----	----	----	----	----	----	----	----	----
Newark	54	171	23	90	10	172	46	165	0	731	----	----	----	----	----	----	----	----	----

a For 11 months only, June wanting.
b For 11 months only, August wanting.
c For 10 months only, August and September wanting.
d For 11 months only, January wanting.
e For 11 months only, February wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—																			
Bedford (*a*)	3	5	6	145	9	179	32	378	0	757	12	122	29	247	1	1	3	107	522
Berwick	41	28	358	40	62	64	398	75	4	1070	----	----	----	----	----	----	----	----	----
Cannonsburg	5	33	236	48	0	141	501	120	11	1095	----	----	----	----	----	--	----	----	----
Easton	104	111	36	136	70	54	159	271	89	1030	----	----	----	----	----	----	----	----	----
Fleming	18	38	134	162	4	189	167	367	16	1095	11	7	22	62	17	84	161	330	694
Gettysburg	96	154	40	18	165	204	114	209	94	1094	29	44	34	22	66	152	237	209	793
Harrisburg, [Heisely]	51	22	96	156	125	59	245	315	7	1076	17	8	5	34	42	31	121	153	411
Harrisburg, [Hickok]	140	118	160	48	108	116	294	105	1	1090	5	15	20	3	19	26	77	11	176
Lewisburg	113	79	28	89	89	133	105	179	275	1090	24	10	3	14	25	56	63	124	319
Morrisville	43	155	94	79	105	249	118	158	88	1089	19	98	48	53	17	200	191	125	751
Mount Joy	29	15	4	311	29	20	12	129	534	1083	----	----	----	----	----	----	----	----	----
Murrysville	13	105	144	78	16	386	82	85	163	1072	7	7	12	18	13	239	108	166	570
Norristown	6	49	140	98	28	121	425	78	0	945	2	30	112	27	11	75	410	24	691
North Whitehall	22	81	71	5	50	67	138	152	506	1092	17	35	33	1	22	44	178	97	427
Philadelphia	31	242	40	76	42	272	103	289	0	1095	7	24	6	6	9	80	80	85	297
Pittsburg, [Mar. Hosp.]	22	12	154	53	112	142	252	60	288	1095	6	1	16	11	24	152	190	23	423
Pocopson	108	116	103	38	85	224	237	114	21	1046	59	16	11	10	22	69	170	62	419
Shamokin	3	9	196	27	170	81	602	4	0	1092	5	6	49	5	1	15	681	13	775
Somerset	29	10	34	102	92	121	297	107	298	1090	26	9	18	64	31	126	406	128	808
Tarentum	72	76	40	34	53	202	101	108	408	1094	13	9	5	16	26	178	316	144	707
Westtown	78	92	68	140	70	174	62	399	0	1083	31	18	10	29	15	35	59	272	469
MARYLAND—																			
Annapolis	100	224	60	108	169	163	52	120	99	1095	35	10	1	0	2	248	50	19	365
Baltimore	212	86	85	87	138	83	149	187	18	1045	---	----	----	----	----	----	----	----	----
Bladensburg	21	101	48	36	15	124	28	148	0	521	----	---	----	- --	----	----	----	----	----
Chestertown (*b*)	86	91	170	56	82	106	178	105	8	882	----	----	----	----	----	----	----	----	----
Frederick	50	215	8	41	41	128	188	168	244	1083	11	10	8	19	32	30	314	73	497
Sykesville	87	204	91	144	163	126	207	73	0	1095	----	----	----	----	----	----	----	----	----
DISTRICT OF COLUMBIA—																			
Washington (*c*)	89	96	98	72	177	65	65	171	192	1025	5	2	0	0	1	12	56	13	89
VIRGINIA—																			
Crichton's Store	320	95	46	32	169	273	86	47	21	1089	1	0	0	0	4	71	122	7	205
Montross (*d*)	41	64	115	40	60	112	114	84	369	999	28	21	14	12	30	77	100	33	315
Poplar Grove	1	9	181	26	1	51	283	127	355	1034	18	14	9	15	28	194	249	132	659
Portsmouth	82	240	102	90	46	209	128	181	7	1085	----	----	----	----	----	----	----	----	----
Rougemont	113	135	85	14	203	81	215	77	63	986	42	44	16	4	49	41	218	35	449
Smithfield	144	217	50	81	151	174	70	137	0	1024	50	73	20	13	24	74	168	161	583
Wirt Court-House	10	53	1	65	10	294	18	355	261	1067	2	20	0	23	7	379	28	368	827
NORTH CAROLINA—																			
Chapel Hill	207	223	42	26	98	196	213	74	0	1079	59	81	18	3	35	264	88	26	574
Davidson College	12	321	5	19	9	351	60	79	142	998	9	117	9	11	15	366	26	39	592
Murfreesborough	24	218	54	88	44	193	116	86	191	1014	16	103	20	33	10	97	207	44	530
SOUTH CAROLINA—																			
All Saints	150	177	82	83	174	230	138	59	2	1095	62	92	25	15	44	318	231	46	833
Charleston, [Dawson]	7	224	29	127	16	223	29	72	0	727	----	----	----	----	---	----	----	----	----
Charleston, [Johnson] (*e*)	31	79	10	29	37	84	18	63	6	357	----	----	----	----	----	----	----	----	----
St. John's	19	195	16	258	21	213	15	226	0	963	45	42	27	15	17	53	106	109	411
GEORGIA—																			
Athens (*f*)	29	97	81	110	89	51	55	138	174	824	----	----	----	----	----	----	----	----	----
Savannah (*g*)	72	212	64	140	135	247	66	147	0	1083	2	1	2	1	10	19	25	3	63
Sparta	45	225	73	135	62	265	117	164	0	1086	15	75	24	48	26	151	160	84	583
Whitemarsh Island	55	208	43	70	171	99	123	121	201	1091	21	75	17	29	46	82	111	76	457
FLORIDA—																			
Alachua County	55	216	47	178	20	270	37	211	0	1034	----	----	----	----	----	----	----	----	----
Alligator	55	208	71	167	49	154	48	91	252	1095	21	57	60	53	33	126	53	32	435
Atsena	122	201	114	125	56	168	165	92	52	1095	46	171	70	100	54	124	75	60	700
Jacksonville	53	245	36	110	52	322	79	176	13	1086	19	90	43	57	32	250	53	58	602
St. Augustine (*h*)	65	101	123	145	2	79	9	179	0	1003	36	325	101	110	1	75	10	150	808
Salt Ponds	90	150	169	148	71	20	21	50	11	730	----	----	----	----	----	----	----	----	----

a For 10 months only, November and December wanting.
b For 11 months only, August wanting.
c Motion of clouds not observed in July and October.
d For 11 months only, December wanting.
e Surface current for 11 months only, July wanting.
f Surface current for 10 months only, Nov. and Dec. wanting.
g Motion of clouds not observed in September.
h For 11 months only, November wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ALABAMA—																			
Greene Springs	57	38	145	245	32	104	145	64	183	1013	50	20	16	39	52	93	116	84	470
MISSISSIPPI—																			
Columbus	175	87	141	137	209	56	152	136	0	1093	34	14	25	39	80	106	229	56	583
Paulding (*a*)	18	154	52	168	27	273	56	192	0	940	19	91	19	111	24	290	77	140	771
LOUISIANA—																			
Black River (*b*)	258	83	37	145	316	62	35	63	3	1002	48	31	14	44	111	149	75	76	548
New Orleans	0	298	0	214	0	350	0	233	0	1095	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm] (*c*)	168	66	99	98	312	241	83	24	4	1095	24	3	5	19	29	29	22	16	147
Austin, [Van Nostrand]	231	11	56	9	531	15	170	34	32	1089	40	3	11	12	242	50	52	13	423
Goliad	295	82	67	140	68	5	21	37	1	1016	135	28	56	100	101	93	158	52	723
Larissa	73	113	155	218	148	129	59	100	38	1033	12	16	10	18	101	67	52	19	295
Union Hill	232	29	38	102	500	50	23	31	90	1095	156	18	19	52	121	26	46	20	758
TENNESSEE—																			
Glenwood	89	115	63	220	192	126	46	105	139	1095	20	38	28	45	60	204	317	122	834
KENTUCKY—																			
Bardstown	99	135	59	66	136	288	175	105	1	1064	62	44	35	24	64	222	173	120	744
Paris	68	129	26	93	119	357	114	177	0	1083	10	4	20	3	114	58	345	2	536
Springdale	37	136	56	27	80	291	103	80	285	1095	----	----	----	----	----	----	----	----	----
OHIO—																			
Bellefontaine	31	146	41	106	29	328	165	180	0	1029	7	102	10	81	5	463	90	122	880
Cincinnati, [Harper]	70	41	83	46	121	235	283	195	0	1074	----	----	----	----	----	----	----	----	----
Edinburg	10	430	99	245	4	100	14	105	83	1090	0	32	8	34	1	280	357	154	866
Hillsborough	3	190	1	230	7	385	23	242	2	1083	1	5	0	9	4	112	10	51	192
Hiram	89	71	50	100	171	238	117	154	22	1012	15	12	10	5	25	50	159	93	369
Jefferson	14	121	6	197	19	110	48	277	0	1092	18	254	32	142	11	178	23	240	898
Madison, [Atkins]	51	70	13	51	161	111	145	78	292	973	8	8	9	1	11	12	80	8	137
Madison, [King]	37	117	38	119	89	240	118	201	130	1089	17	50	44	39	37	292	212	196	887
New Lisbon	58	63	46	160	94	264	146	257	4	1092	28	26	25	164	49	214	164	217	827
Northwood (*d*)	35	128	66	98	52	224	166	157	28	954	33	53	36	30	34	135	111	166	598
Ripley	15	26	12	168	18	32	23	185	276	755	3	8	1	3	2	3	19	86	125
Savannah	32	38	9	219	8	320	172	297	0	1095	21	29	6	119	4	303	135	259	876
Urbana	13	71	47	149	65	147	114	116	354	1076	28	38	15	17	40	151	289	111	689
Welchfield	42	45	59	238	102	312	131	166	0	1095	0	0	0	2	3	18	8	13	44
Westerville	108	51	30	37	139	297	213	172	11	1058	47	25	41	24	64	241	226	149	817
MICHIGAN—																			
Battle Creek	42	60	116	76	152	147	222	90	169	1074	22	17	24	6	26	169	443	95	802
Cooper	5	3	84	7	18	31	405	17	524	1094	18	11	89	92	28	71	117	36	462
Grand Rapids	71	118	168	110	80	217	194	134	0	1092	48	64	87	33	37	128	460	145	1002
Marquette	26	104	103	206	29	100	206	318	1	1093	----	----	----	----	----	----	----	----	----
Monroe (*e*)	22	93	30	208	4	223	21	347	1	949	13	88	24	175	2	199	16	302	819
Port Huron	119	67	16	82	126	246	116	188	48	1038	33	14	7	17	17	158	137	108	491
INDIANA—																			
Logansport (*f*)	45	61	67	129	71	257	276	189	0	1095	24	44	49	78	30	179	248	138	790
Madison	50	98	63	173	96	229	184	202	0	1095	19	62	43	112	75	149	111	82	653
Michigan City (*g*)	185	56	36	126	228	73	41	69	52	866	92	10	10	23	96	64	46	81	422
New Harmony	76	20	71	104	209	163	106	120	0	860	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	7	53	88	50	53	155	141	61	275	883	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Athens	13	175	19	300	48	237	25	217	0	1034	4	9	1	8	0	96	203	210	531
Augusta	36	119	112	150	124	203	143	145	63	1095	22	44	31	42	49	94	181	80	543
Aurora	70	118	83	128	181	197	127	131	0	1095	23	26	24	35	33	172	368	117	798
Batavia, [Mead]	1	274	3	106	5	460	64	182	0	1095	0	184	1	50	1	378	65	225	904
Brighton	32	122	46	181	138	259	96	215	0	1089	10	102	50	121	42	185	41	124	675
Edgington	39	230	13	131	104	225	41	308	1	1095	30	194	9	90	86	275	57	277	998
Elgin (*h*)	63	141	64	147	121	124	134	183	112	1085	3	1	3	2	0	10	21	22	62
Jacksonville (*i*)	35	13	17	37	58	59	38	37	0	294	----	----	----	----	----	----	----	----	----
Manchester	110	94	60	54	334	118	228	95	2	1095	80	59	38	40	221	103	170	81	792
Marengo	1	93	83	289	80	424	96	23	3	1092	----	----	----	----	----	----	----	----	----

a For 11 months only, January wanting.
b For 11 months only, December wanting.
c Motion of clouds for 11 months only, June wanting.
d For 11 months only, August wanting.
e For 11 months only, September wanting.
f Motion of clouds for 10 months only, Jan. and Feb. wanting.
g For 10 months only, November and December wanting.
h Motion of clouds for 11 months only, December wanting.
i Surface current for 10 months only, Jan. and Feb. wanting.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1858.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Ottawa (*a*)	31	155	45	121	87	196	83	165	40	923	19	21	6	12	35	65	43	83	284
Pekin	124	99	97	119	285	75	54	192	44	1089	61	37	29	44	60	95	140	158	624
Peoria (*b*)	74	137	148	54	251	95	282	54	0	1095	6	1	2	3	15	17	40	10	94
Riley	60	92	76	81	106	141	216	176	128	1076	----	----	----	----	----	----	----	----	----
Waynesville (*c*)	120	21	165	17	144	49	340	41	155	1052	44	10	36	4	59	37	212	17	419
West Salem	74	95	55	107	270	82	44	118	250	1095	12	5	4	6	33	161	323	72	616
West Urbana (*d*)	43	195	63	186	169	225	72	148	0	1092	2	1	2	4	12	25	19	17	82
Wheaton	69	139	85	88	121	240	121	153	62	1078	13	10	2	4	9	45	85	64	232
Winnebago	60	176	54	188	80	269	84	184	0	1095	3	3	3	3	2	62	191	133	400
MISSOURI—																			
St. Louis	96	103	83	244	140	153	191	85	0	1095	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	67	346	15	39	25	442	44	117	0	1095	56	297	10	40	21	356	23	98	904
Bay City	11	403	29	21	116	334	75	104	0	1093	10	64	8	2	10	172	45	38	349
Beloit	172	122	61	114	235	166	127	97	0	1094	----	----	----	----	----	----	----	----	----
Janesville (*e*)	60	115	90	108	151	151	165	95	67	1002	----	----	----	----	----	----	----	----	----
Kenosha	35	95	156	94	212	197	156	80	25	1050	----	----	----	----	----	----	----	----	----
Manitowoc	148	85	62	118	149	132	164	237	0	1095	14	11	16	13	13	36	139	67	309
Milwaukee, [Pomeroy]	40	234	52	206	40	186	101	228	4	1091	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	65	178	122	174	35	119	185	217	0	1095	----	----	----	----	----	----	----	----	----
Platteville	83	92	142	261	64	114	86	253	0	1095	70	74	88	99	18	208	101	181	839
Waukesha (*f*)	88	98	41	11	118	75	130	62	380	1003	----	----	----	----	----	----	----	----	----
IOWA—																			
Bellevue	67	79	70	178	98	155	167	274	0	1088	----	----	----	----	----	----	----	----	----
Border Plains	115	40	88	195	179	66	52	291	60	1086	4	2	3	3	27	47	63	69	218
Dubuque	134	95	39	134	139	166	33	156	195	1091	33	47	21	51	25	129	80	173	559
Fairfield	15	76	6	187	39	200	23	224	325	1095	7	31	28	16	0	2	3	6	93
Fort Madison	29	145	18	178	25	345	37	303	15	1095	39	49	34	35	29	197	206	136	725
Iowa City	67	47	53	308	60	177	88	231	42	1073	----	----	----	----	----	----	----	----	----
Muscatine	83	94	107	104	159	182	198	168	0	1095	2	23	1	5	1	103	17	41	193
Pleasant Plain	28	135	59	168	166	190	102	205	23	1076	3	3	0	6	16	103	126	60	317
Sioux City	130	61	45	195	158	15	40	273	1	918	49	12	11	29	69	9	20	78	277
MINNESOTA—																			
Burlington	56	54	112	32	107	36	57	92	0	546	----	----	----	----	----	----	----	----	----
Hazlewood (*g*)	85	74	41	137	236	84	82	348	2	1089	34	41	76	38	40	13	30	46	318
Princeton (*h*)	138	69	144	71	103	65	167	82	87	926	85	11	79	13	83	23	222	27	543
NEBRASKA—																			
Bellevue	387	62	60	64	333	35	50	36	34	1061	140	36	21	25	96	33	57	41	449
Omaha (*i*)	73	61	38	120	174	79	51	160	180	936	77	43	40	61	86	83	68	107	565
KANSAS—																			
Burlingame	164	56	39	137	253	62	47	129	208	1095	----	----	----	----	----	----	----	----	----
Lawrence	226	76	79	102	344	52	54	99	24	1056	----	----	----	----	----	----	----	----	----
Leav'th City, [McCarty]	133	119	47	109	304	108	21	113	38	992	77	35	11	17	37	113	96	95	481
Manhattan (*j*)	115	103	77	78	153	126	17	66	266	1001	74	42	30	30	67	71	37	52	403
MEXICO—																			
Cordova	161	176	49	37	66	81	59	81	20	730	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	122	5	3	71	252	130	14	122	16	1035	----	----	----	----	----	----	----	----	----
Sacramento	185	60	50	219	197	154	58	172	0	1095	0	4	4	99	22	127	65	38	359
San Francisco	84	19	2	3	59	80	382	41	425	1095	51	6	10	11	73	113	318	49	631
WEST INDIES—																			
Nassau, Bahamas	25	181	122	153	14	55	18	44	10	622	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Sur'm	30	429	221	214	57	16	1	7	0	975	1	202	336	174	2	1	0	0	716

a Surface current for 11 months only, November wanting.
b Motion of clouds for 11 months only, November wanting.
c Motion of clouds for 11 months only, January wanting.
d Motion of clouds for 11 months only, September wanting.
e For 11 months only, July wanting.
f For 11 months only, February wanting.
g Motion of clouds for 11 months only, July wanting.
h Surface current for 11 months only, April wanting.
i For 11 months only, November wanting.
j For 11 months only, January wanting.

REDUCTIONS

OF

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1859.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.*

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Adams Centre, N. Y	43 48	75 52	632	6	C. D. Potter, M. D.
Aiken, S. C	33 32	81 34	565	12	John H. Cornish.
Alligator, Fla. (*a*)	30 12	82 37	174	12	Edward R. Ives.
All Saints, S. C. (*b*)	33 40	79 17	20	12	Rev. Alexander Glennie.
Altoona, Pa	40 37	78 22	1,620	3	W. R. Boyers.
Amherst, Mass	42 22	72 34	267	12	Prof. E. S. Snell.
Annapolis, Md	38 58	76 29	20	12	William R. Goodman.
Appleton, Wis	44 10	88 35	800	12	Prof R. Z. Mason.
Arkadelphia, Ark	34 08	92 58	--------	7	Dennis Barlow.
Athens, Ga	33 58	83 30	850	9	Prof. John D. Easter.
Atlanta, Ga	33 43	84 18	1,050	12	J. G. Westmoreland, M. D.
Atsena, Fla	29 07	83 02	12	12	Augustus Steele.
Auburn, Cal	38 54	121 02	1,176	6	Robert Gordon.
Augusta, Ga	33 28	81 54	1,470	11	William H. Doughty, M. D.
Augusta, Ill	40 12	90 58	200	12	Dr. S. B. Mead.
Augusta, Mo	38 36	90 30	780	4	C. Mallinckrodt.
Aurora, Ind	39 04	84 47	?	12	George Sutton.
Aurora, Ill	41 40	88 16	600	12	A. J. Babcock.
Austin, Texas	30 15	97 47	?	12	Swante Palm.
Austin, Texas	30 20	97 46	650	12	J. Van Nostrand.
Avon, Ohio	41 27	82 04	800	12	Rev. L. F. Ward.
Baldwinsville, N. Y	43 04	76 41	?	12	John Bowman.
Baltimore, Md	39 18	76 37	?	7	Prof. Alfred M. Mayer.
Bardstown, Ky	37 52	85 18	?	12	John H. Lunemann.
Bastrop, Texas	30 05	97 22	--------	1	J. L. Cunningham.
Batavia, Ill	41 52	88 20	?	12	Thompson Mead.
Batavia, Ill	41 52	88 26	636	5	E. Capon.
Battle Creek, Mich	42 20	85 10	750	12	Dr. W. M. Campbell.
Bay City, Wis	46 33	91 00	658	11	Dr. Edwin Ellis.
Bayfield, Wis	46 18 ?	90 50 ?	?	3	J. Harvey Nourse.
Beaver Bay, Min	47 12	91 17	657	12	Thomas Clarke.
Beaver Bay, Min	47 11	91 25	900	9	Henry Wieland.
Bedford, Pa	40 01	78 30	?	9	Henry Heckerman.
Belair, Fla	30 24	84 20	70	12	Benjamin F. Whitner.
Belfast, Me	44 22	69 06	--------	6	J. Emerson Brackett.
Beloit, Wis	42 30	89 04	750	12	Prof. William Porter.
Bellefontaine, Ohio	40 21	83 40	1,031	12	Joseph Shaw.
Bellefonte, Pa	40 50	77 49	--------	6	J. Ilgin Burrell.
Bellevue, Iowa	42 15	90 25	--------	12	John C. Fory.
Bellevue, Neb	41 08	95 50	--------	12	William Hamilton.
Bellport, N. Y	40 44	72 54	15	12	Henry W. Titus.
Bendersville, Pa	40 00	77 15	--------	5	Franklin W. Cook.
Bentonville, Ark	36 23	94 09	1,790	5	P. Graham.
Berwick, Pa	41 05	76 15	588	12	John Eggert.
Bethany, Mo	40 16	94 02	--------	3	D. J. Heaston.
Beverly, N. Y. (*c*)	41 22	74 00	180	12	Thomas B. Arden.
Black River, La. (*d*)	31 30	91 46	108	5	Andrew R. Kilpatrick.
Bladensburg, Md	38 57	76 58	--------	12	B. O. Lowndes.
Bloomington, Ill	40 27	89 08	--------	4	Jesse Allison.
Bolivar, Mo	37 37	93 20	--------	8	W. J. Van Kirk.
Bonham, Texas	33 40	96 13	435?	3	Prof. Solomon Sias.
Boonville, Mo	38 55	92 40	--------	8	Norris Sutherland.
Border Plains, Iowa (*e*)	42 36	94 05	--------	9	William K. Goss.
Boston, Mass	42 20	71 03	--------	1	Edward L. Adams.

* For the different names by which, in some cases, the same place is designated by the observers, see General List of Stations in the introduction.

a Lake City.
b Waccamaw.
c Phillipstown.
d Trinity.
e Webster.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Boston, Texas	33 25	94 24	600	6	G. Freeze.
Bowling Green, Ohio	41 27	83 45	700	12	Dr. William R. Peck.
Brandon, Vt	43 45	73 00	.....	12	David Buckland.
Brecksville, Ohio	41 23	81 40	800	3	S. L. Hillier.
Bridgewater, Mass	42 00	71 00	142	8	C. W. Felt, G. B. Hanna, B. W. Parsons.
Brighton, Ill (*a*)	39 00	90 13	.....	2	Rev. William V. Eldredge.
Brownsville, Neb	40 24	95 33	.....	6	Charles B. Smith.
Brownsville, Ark	34 50	92 00	.....	6	B. F. Coulter.
Bruce, Ill	41 15 ?	88 45 ?	.....	2	Dr. George O. Smith.
Buck Horn, Ark	.....	.....	.....	4	Armistead Younger.
Buffalo, N. Y	42 50	78 56	600	12	William Ives.
Buffalo, N. Y. (*b*)	42 45	79 05	.....	7	Godfrey Zimmerman.
Burkeville, Texas	31 00	93 34	.....	7	Dr. N. P. West.
Burlingame, Kan	38 35	96 45	.....	12	Edmund and Lucian Fish.
Burlington, Vt	44 29	73 11	346	12	McK. Petty.
Burlington, Wis	42 39	88 04	700 ?	7	D. Mathews.
Burlington, Iowa	40 48	91 12	486	11	John M. Corse.
Burlington, Min	47 01	91 30	645	12	A. A. Hibberd.
Cahawba, Ala	32 19	87 15	160	6	Dr. Matthew Troy.
Cambridge, Mass	42 22	71 07	71	12	Prof. W. C. Bond.
Cannelton, Ind	37 58	86 40	450	12	Hamilton Smith, jr.
Cannonsburg, Pa	40 17	80 10	936	12	William Smith, D. D.
Carbon Cliff, Ill	41 31	90 29	688	7	Mrs. William S. Thomas.
Carlisle, Pa	40 12	77 11	500	10	Prof. W. C. Wilson.
Carlowville, Ala	32 10	87 15	300	10	Dr. H. L. Alison.
Carrollton, Mo	39 21	93 27	.....	6	John Campbell and S. S. Hoffaker.
Carthage, Ill	40 23	91 17	.....	9	Mrs. E. M. A. Bell.
Cassville, Mo	36 41	93 56	3,000	7	M. L. Wyrick.
Catharina Sophia, Surinam, S. A	5 48	56 47	.....	12	C. T. Hering.
Cazenovia, N. Y	42 55	75 46	1,260	12	Aaron White.
Centre Signal Station, Bermuda	32 20 ?	64 45 ?	.....	3	J. Foster.
Chambersburg, Pa	39 58	77 45	618	12	William Keyser.
Chanarcillo, Chili, S. A	27 28 S.	70 28	3,860	3	Edward B Dorsay.
Chapel Hill, N. C	35 54	79 17	.....	12	James Phillips, D. D.
Charleston, S. C	32 46	80 00	30	12	Joseph Johnson, M. D.
Charlotte, N. Y. (*c*)	43 14	77 51	.....	6	Andrew Mulligan.
Chatfield, Minn	43 50	92 25	.....	8	T. F. Thickstun.
Chestertown, Md	39 14	76 02	.....	9	Prof. A. Sutton.
Chicago, Ill	41 53	87 41	600	7	Samuel Brooks.
Chromedale, Pa. (*d*)	39 55	75 25	196	2	John H. Smealy.
Cincinnati, Ohio	39 06	84 27	.....	12	G. W. Harper.
Cincinnati, Ohio	39 06	84 28	.....	12	R. C. and J. H. Phillips
Cinnaminson, N. J	40 01	75 03	83	8	William Perry.
Claremont, N. H	43 29	72 22	536	4	Arthur Chase.
Clarksville, Ga	34 35	83 31	1,632	7	Jarvis Van Buren.
Clarksville, Ga	34 41	.....	.....	2	Col. John R. Stanford.
Cleveland, Ohio	41 30	81 40	665	12	Gustavus A. Hyde.
Clinton, N. Y	43 00	75 20	500	4	Dr. H. M. Paine.
Clyde, N. Y	43 10	77 10	400	8	Matthew Mackie.
College Hill, Ohio	39 19	84 25	.....	8	John W. Hammitt.
College Hill, Ohio	39 19	84 25	800	11	Prof. J. H. Wilson.
Collingwood, Ohio	41 49	83 34	.....	12	Miss Sarah E. Bennett.
Columbia, Ct	41 42	72 16	.....	12	William H. Yeomans.
Columbia, S. C	33 59	80 48	.....	10	J. B. White.
Columbia, S. C	33 59	80 48	.....	7	J. N. Barton.
Columbus, Miss	33 30	88 29	227	12	James S. Lull.
Columbus, Texas	29 43	96 36	198	1	W. G. De Graeffenried.
Concord, N. H	43 12	71 29	378	1	E. P. Colby.
Cordova, Mexico	.....	.....	.....	12	J. A. Hicto.
Cornishville, Me	43 40	70 44	800	12	G. W. Guptill.

a Piasa Farms.
b Pine Hill.
c Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent of Survey of the N. and NW. Lakes.
d Lima.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Cornish, Me	43 40	70 44	784	12	Silas West.
Corunna, Mich	42 57	84 06	759	1	Heber Crane.
Covington, Ga	33 34	84 00	763	8	Benjamin F. Camp.
Crack Whip, Va. (*a*)	39 30	78 31	1,750	1	D. H. Ellis.
Craftsbury, Vt	44 40	72 30	1,100	12	James A. Paddock.
Crescent City, Cal	41 45	124 11	12	6	Robert B. Randall.
Crichton's Store, Va. (*b*)	36 40	77 46	500	12	Colonel R. F. Astrop.
Cross Creek, Va	40 19	80 31 ?	-------	12	B. D. Sanders.
Cross Roads, Texas	30 27	97 26	672	2	F. S. Wade.
Dallasburg, Ohio	39 17	84 07	500?	8	F. G. Hill.
Dallas, Texas	32 40	96 45	-------	6	John M. Crockett.
Dansville, N. Y	42 34	77 46	-------	4	John J. Brown.
Danvers, Mass	42 35	71 03	-------	2	A. W. Mack.
Danville, Ky	37 40	84 30	950	11	Prof. O. Beatty.
Davenport, Iowa	41 30	90 37	555	5	A. J. Finley.
Davidson College, N. C	35 30	80 54	850	8	W. C. Kerr.
Deer Creek, Neb	42 49	106 00 ?	5,000	2	Major Thomas S. Twiss.
Delafield, Wis	43 10	88 20	900	5	A. W. Clarke.
Denver City, Kan	39 35	105 18	-------	2	D. C. Collier.
Detroit, Mich	42 24	82 58	597	12	L. S. Horton.
Dexter, Me	44 55	69 20	-------	12	Benjamin F. Wilbur.
Dixon, Ill	41 50	89 36	-------	8	J. T. Little.
Downieville, Cal	39 27	----------	2,200	2	T. R. Kibbe, M. D.
Dubuque, Iowa	42 30	90 52	1,258	12	Asa Horr, M. D.
Dudley, Ohio	40 35	83 35	-------	4	Hannah E. Hampton.
Dundee, Mo	38 30	91 10	457	5	S. S. Bailey.
Easton, Pa	40 43	75 16	320	12	George R. Houghton.
East Smithfield, Pa	41 56	76 37	1,000?	4	James E. Tracy.
Eden, N. Y	42 30	79 07	700	4	Anna S. Landon.
Edgington, Ill	41 25	90 46	-------	12	Dr. E. H. Bowman.
Elgin, Ill	42 00	88 15	600	12	J. B. Newcomb.
Elkhorn, Neb	41 22	96 12	800?	12	Miss Anna M. J. Bowen.
Elk Run, Ohio	40 47	80 44	1,152	5	Smith B. McMillan.
Emerson, Mo	39 56	91 40	-------	5	Wm. B. Kizer.
Fairfield, Iowa	41 01	91 57	940	12	Dr. J. M. Shaffer.
Fairfield, Iowa	41 01	91 57	940	4	Miss Sue McBeth.
Falmouth, Va	38 15	77 34	350	9	Hiram Van Doren.
Farmer, N. Y	42 37	76 53	-------	1	John Lefferts and A. B. Covert.
Farmington, Mo	37 48	90 24	-------	6	Nathan P. Force.
Fayette Village, Iowa	42 50	91 50	1,000?	7	John M. McKenzie.
Fishkill Landing, N. Y	41 34	74 18	42	12	William H. Denning.
Flatbush, N. Y	40 37	74 01	54	12	Rev. R. D. Van Kleek.
Fleming, Pa	40 55	77 53	780	12	Samuel Brugger.
Florida, Mass	42 42	73 10	2,500	12	L. F. Whitcomb.
Fontenelle, Neb	41 31	96 45	-------	2	John Evans.
Fordham, N. Y	40 54	74 03	147	10	John Aubier.
Forest City, Min	45 45	96 00	-------	12	A. C. Smith.
Forestville, Iowa (*c*)	42 40	91 50	-------	6	Daniel Sheldon.
Fork Union, Va	37 40	78 21	--- ----	3	Silas B. Jones.
Fort Edward, N. Y	43 13	73 42	-------	5	Prof. Solomon Sias.
Fort Gratiot, Mich (*d*)	42 60	82 25	-------	3	Lieut. Charles N. Trumbull, Top. Engs., and Heber Squier.
Fort Madison, Iowa	40 37	91 28	-------	12	Daniel McCready.
Fort Niagara, N. Y (*d*)	43 18	79 08	-------	6	L. Leffman.
Fort Rae, B. A. (*e*)	----------	----------	-------	3	Lawrence Clarke, jr.
Fort Riley, Kansas	39 02	97 00	1,300	7	Rev. David Clarkson.
Fort Simpson, B. A	61 51	----------	-------	8	Bernard R. Ross.
Fort Vancouver, Oregon	45 40	122 30	-------	6	Dr. Barnes.
Franklin, Iowa	42 45	92 11	-------	3	Dexter Beal.
Freedom, Me	44 30	69 19	-------	2	E. A. Fuller.

a Wardensville.
b Genito Mills.
c Richland.
d Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent of Survey of the N. and NW. Lakes.
e On Great Slave Lake.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Freedom, Ohio	41 13	81 08	1,100	8	H. M. Davidson.
Frederick, Md	39 24	77 18	.....	12	Henry E Hanshew.
Fredericksburg, Va	38 20	77 28	600	6	Charles H. Robey.
Freehold, N. J	40 15	74 21	.....	12	O. R. Willis.
Gainesville, Fla. (*a*)	29 35	82 26	.....	12	James B. Bailey.
Gainesville, Ark	36 12	90 35	500	3	James F. Davies.
Galena, Ill	42 25	90 33	.....	4	Emil Haeuser.
Gardiner, Me	44 11	69 46	90	12	R. H. Gardiner.
Geneva, N. Y	42 53	77 02	.....	1	Job Elletson.
Georgetown, D. C	38 55	77 05	.....	1	Rev. C. B. MacKee.
Germantown, N. Y	42 08	73 58	175	2	William Tompkins.
Germantown, Pa	40 03	75 10	.....	6	Thomas Meehan and S. Ebert.
Gettysburg, Pa	39 49	77 15	624	12	Prof. M. Jacobs.
Gilbert's Trading Post, Neb	42 28	108 40	7,400?	1	Charles H. Miller.
Gilmer, Texas	32 46	94 48	1,017	6	J. M. Glascow.
Glenwood, Tenn (*b*)	36 28	87 13	481	12	Prof. William M. Stewart.
Gonzales, Texas	29 28	97 39	.....	5	M. H. Allis.
Grand Haven, Mich	43 01	86 11	600	4	Heber Squier.
Grand Rapids, Mich	43 00	86 00	852	11	L. H. Streng.
Great Salt Lake City, U. T	40 45	111 26	4,250?	11	W. W. Phelps.
Great Valley, N. Y	42 12	78 45	.....	6	Kathalo Kelsey.
Green Bay, Wis	41 30	88 06	584	8	D. Underwood.
Greencastle, Ind	39 39	86 46	.....	8	William H. Larabee.
Greene Springs, Ala	32 50	87 46	.....	11	H. Tutwiler.
Greenfield, Mo	37 24	93 48	1,800?	7	S. B. Bowles, M. D.
Green Plains, N. C. (*c*)	36 32	77 45	.....	12	Dr. George W. Moore.
Greensborough, Ala	32 40	87 40	.....	12	R. B. Waller.
Greenville, Mo	37 07	90 30	.....	6	O. D. Dalton.
Greenville, Texas	33 10	97 22	.....	2	R. Dejernett.
Greenwood, Dakota Ter. (*d*)	42 52	98 24	1,900?	2	F. Norvell.
Grenada, Miss	33 46	89 53	.....	3	Albert Moore.
Guatemala, Central America	14 37	30 30	4,961	12	Antonio Canudas.
Halifax, Nova Scotia	44 39	63 37	.....	1	R. J. Nelson.
Hamilton, Canada	43 15	79 57	.....	12	Dr. Craigie.
Hardinsburg, Ky., (Mt. Alba College)	37 45	86 24	500?	7	Mrs. M. A. Waller and J. C. Barbage.
Harrisburg, Pa	40 16	76 50	.....	12	John Heisely.
Harrisburg, Pa	40 16	76 55	320	12	W. O. Hickok.
Harrisonville, Mo	38 36	94 17	.....	7	John Christian.
Hartland, Me	44 51	69 30	200	5	Rev. H. B. Marshall and L. S. Strickland.
Hartland, Me	44 51	69 30	.....	2	E. E. Brown and S. W. Hall.
Hartwood, Va	38 15	77 34	350	3	Abram Van Doren.
Havana, N. Y	42 20	76 54	1,041	5	E. C. Frost.
Hazlewood, Min	45 00	95 30	.....	12	Rev S R. Riggs.
Henrietta, N. Y	43 06	77 51	600	11	A. S. Wadsworth.
Hermann, Mo	38 40	91 27	598	7	Philip Weber.
Hernando, Miss	36 48	89 55	275	3	William M. Johnson.
Hillsborough, Ohio	39 13	83 30	1,000	12	J. McD. Mathews.
Hillsborough, Ohio	39 00	.....	.....	6	J. W. Gamble.
Hiram, Ohio	41 20	81 15	675	6	S. M. Luther.
Hocking Port, Ohio	39 18	81 41	.....	8	John Rhodes, M. D.
Hornersville, Mo	36 03	90 00	.....	5	W. H. Horner.
Houseville, N. Y	43 40	75 32	.....	3	Walter D. Yale.
Hudson, Ohio	41 15	81 24	1,137	12	E. W. Childs and C. A. Young.
Huntsville, Texas	.....	.....	.....	12	T. Gibbs.
Iberia, Ohio	40 46	82 51	1,160	3	S. T. Boyd.
Ilion, N. Y	43 01	75 14	.....	7	J. D. Ingersoll.
Ireland, Bermuda	32 20 ?	64 45	123	1	John G. Calder.
Jackson, Ohio	39 34	80 56	540	12	Enoch D. Johnson.
Jacksonport, Ark	35 36	91 15	.....	7	Dr. G. A. Martin.
Jacksonville, Fla	30 30	82 00	13	12	Dr. A. S. Baldwin.
Jacksonville, Ill	39 48	90 19	.....	1	Timothy Dudley.

a Alachua county.
b Clarkesville.
c Gaston.
d Indian agency.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Janesville, Wis	42 42	89 91	768	6	George J. Kellogg.
Jefferson, Texas	32 44	94 20	65?	1	W. T. Epperson.
Jerusalem, Palestine, E. C	31 47	35 13 E.	2,610	3	Dr. R. G. Barclay.
Kanawha, Va	38 53	81 25	.....	6	W. C. Reynolds.
Kandotta, Min	45 45	94 55	.....	2	Edwin Whitefield.
Kanosha, Neb	40 51	95 53	1,050	5	Bela White.
Kaufman, Texas	32 37	96 20	.....	7	James T. Rayel.
Kelley's Island, Ohio	41 36	82 43	587	9	George C. Huntington.
Kenosha, Wis	42 35	87 50	600	12	Rev. John Gridley.
Kirksville, Mo	40 11	92 33	.....	7	Dr. Robert Byers.
Laconia, N. H. (*a*)	.....	.....	.....	12	Josiah B. French.
La Grange, Tenn	.....	.....	.....	6	J. R. Blake.
Lake George, Mich	46 15?	85 00?	.....	4	Capt. A. W. Whipple and Edw'd Perrault.
Lake Mills, Wis	43 00	89 00	.....	7	Isaac Atwood.
Lake Village, N. H (*b*)	.....	.....	.....	12	Josiah B French.
Lambertville, N. J	40 23	74 56	.....	12	Lemuel H. Parsons.
Lancaster, Ohio	39 40	82 40	.....	1	Lewis M. Dayton.
Lancaster, Ohio	39 46	82 36	.....	1	W. E. Davis.
Lancaster, Mo	40 30	92 30	.....	6	John M. Weatherford.
Lansing, Mich	42 44	84 15	750?	4	J. C. Holmes and C. Abbe.
Larissa, Texas	31 45	95 50	755	12	F. L. Yoakum.
Lawrence, Mass	42 42	71 11	133	12	John Fallon.
Lawrence, Kansas	38 58	95 12	800	7	G. W. Brown.
Leavenworth City, Kansas	39 19	94 55	787	1	H. D. McCarty.
Leavenworth City, Kansas	39 20	94 33	1,342	5	E. L. Berthoud.
Lebanon, Ill	38 37	89 56	450?	2	L. E. Cobleigh.
Lecompton, Kansas	39 02	95 10	760	6	Dr. William Y. Ellis.
Leitersburg, Md	39 35	77 30	.....	12	J. E. Bell.
Leonardtown, Md	38 17	76 43	.....	9	Dr. A. McWilliams.
Lewinsville, Va	38 56	77 04	180	10	Rev. C. B. MacKee.
Lewisburg, Pa	40 58	76 58	.....	12	Charles S. James.
Lewisburg, Va	38 00	80 00	2,000	12	J. W. Stalnaker.
Lexington, Ky	38 06	84 18	.....	4	S. R. Williams.
Lexington, Mo	39 10	93 50	.....	9	Joseph A. Wilson.
Limington, Maine	43 40	70 40	1,000	4	W. G. Lord.
Linden, Pa	41 10	77 11	.....	4	James Barrett.
Lisbon, Maine	44 00	70 04	.....	9	Asa P. Moore.
Livingston, Ala	32 35	88 19	180	7	Rev. Stephen U. Smith.
Livingston, Ala	32 38	88 14	180	1	Dr. R. D. Webb.
Logansport, Ind	40 45	86 14	.....	12	Isaac Bartlett.
Louisville, Ky	38 03	85 30	450	5	Rev. S. R. Williams.
Lunenburg, Vt	44 28	71 41	1,124	12	Hiram A. Cutting.
Luray, Mo	40 28	91 55	.....	5	B. P. Hanan.
Lyons, N. Y	43 04	77 04	.....	5	E. Ware Sylvester.
Lyons City, Iowa	41 50	90 10	401	7	A. T. Hudson.
Madison, Ohio	41 49	81 10	.....	11	Rev. L. S. Atkins.
Madison, Ohio	41 52	81 00	650	12	Mrs. Ardelia C. King.
Madison, Wis	43 05	89 25	892	6	Prof. J. W. Sterling.
Madrid, N. Y	44 43	75 33	280	5	E. A Dayton.
Manchester, N. H	42 59	71 28	300	1	Samuel N. Bell.
Manchester, Ill	39 33	90 34	683	12	John Grant.
Manhattan, Kansas	39 13	96 45	1,000	12	Isaac T. Goodnow.
Manhattan, Kansas	39 13	96 45	.....	6	Rev. N. O. Preston.
Manitowoc, Wis	44 07	87 37	.....	12	Jacob Lüps.
Marengo, Ill	42 14	88 38	842	12	O. P. and J. S. Rogers.
Marion, Ohio	40 36	83 12	971	2	T. Chase.
Marquette, Mich	46 32	87 41	630	12	G. H. Blaker.
Marysville, Cal	39 12	121 42	.....	3	W. C. Belcher.
Meadow Dale, Va	38 23	79 35	.....	2	J. B. Slaven.
Memphis, Tenn	35 08	90 00	262	11	Dr. W. J. Tuck and Dr. R. W. Mitchell.
Mendon, Mass	42 06	71 33	.....	12	Dr. John G. Metcalf.

a At the outlet of Lake Winnepissiogee.

b Four miles south of Laconia.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Micanopy, Fla	29 35	82 31	78	12	Dr. James B. Bean.
Michigan City, Ind (*a*)	41 41	86 53	622	4	William Woodbridge.
Middletown, Ct	41 33	72 39	175	12	John Johnston.
Millersburg, Ky	38 20	84 00	804	2	Rev. George S. Savage, M. D.
Milwaukee, Wis	43 04	87 59	658	5	F. C. Pomeroy.
Milwaukee, Wis	43 03	87 57	593	4	I. A. Lapham.
Milwaukee, Wis	43 04	87 38	.....	8	E. P. Larkin.
Milwaukee, Wis	43 04	87 59	593	12	Carl Winkler, M. D.
Minatitlan, Mexico (*b*)	17 59	94 07	60	3	Charles Lazelo.
Mirador, Mexico	19 50	96 25	3,500	12	Carl Sartorius.
Mishawaka, Ind	41 39	86 02	.....	9	George C. Menifield.
Moncka, Kansas	38 19	94 49	.....	6	John O. Wattles.
Monroe, Mich	.....	.....	.....	6	George W. Bowlsby.
Monroe, Mich	41 56	83 22	.....	12	Miss Helen I. Whelpley.
Monroe Piers, Mich (*a*)	41 53	83 19	585	6	John Lane.
Monterey, Cal	36 40	121 55	.....	6	Colbert A. Canfield.
Montgomery, Ala	32 25	86 22	162	6	William S. Foster.
Montgomery, Ala	32 25	86 24	.....	6	Rev. J. A. Shepherd.
Montreal, Canada	45 30	73 36	57	9	Dr. A Hall.
Montrose, Va	38 07	76 54	200	10	E. E. Spence.
Mont View, Va	38 00	78 30	521	11	J. Ralls Abel.
Montville, Ohio	41 07	81 47	1,261	12	William P. Clark.
Morestown, N. J	39 58	75 02	104	5	Miss E E Thornton.
Moose Factory, Hud. Bay Ter	51 15	80 45	.....	8	J. Mackenzie.
Moquelumne Hill, Cal	38 18	120 28	1,500	6	Wesley K. Boucher.
Morrisania, N. Y	40 53	74 00	150	12	Joseph Zaepffel.
Morristown, N. J	40 48	74 33	.....	1	William Day.
Morrisville, Pa	40 12	74 53	30	3	Mahlon Moore.
Morrisville, Pa	40 12	74 53	30	12	E. Hance.
Mosinee, Wis	44 44	89 35	.....	2	Dr. J. S Pashley.
Moulton, Ala	34 32	87 25	643	3	Ashley D. Hunt.
Mount Joy, Pa	40 08	77 32	.....	12	Miss Mary E. Hoffer.
Mount Pleasant, Ohio	40 20	80 32	.....	3	David H. Tweedy.
Mount Union, Ohio	41 20	81 01	.....	5	Newton Anthony
Mount Washington, N. H	44 15	71 16	6,285	4	Joseph S. Hall.
Murfreesborough, N. C	36 30	77 06	.....	12	Rev. A. McDowell.
Murrysville, Pa	40 28	79 35	960	3	Thomas H. Stuart.
Muscatine, Iowa	41 26	91 05	586	12	T. S. Parvin.
Mustapha, Va	39 20	81 41	.....	7	James Frazer.
Nantucket, Mass	41 16	70 06	30	12	Hon. William Mitchell.
Naperville, Ill	41 46	88 10	.....	5	M. S. Ellsworth and Lewis Ellsworth.
Nassau, Bahamas, W. I	25 05	77 02	28	8	A. M. Smith.
Natchez, Miss	31 34	91 25	264	12	Robert McCary.
Nazareth, Pa	40 43	75 21	.....	4	J. C. Harvey.
Nebraska City, Neb	40 40	95 43	1,005	8	E. E. Mason.
Neosho Falls, Kan	38 03	95 31	.....	10	B. F. Goss.
New Albany, Ind	38 17	85 45	.....	4	Dr. Alex. Martin.
Newark, N. J	40 45	74 10	30	12	W. A. Whitehead.
Newark, Ohio	40 06	82 28	.....	8	Israel Dille.
New Bedford, Mass	41 39	70 56	90	12	Samuel Rodman.
New Braunfels, Texas (*c*)	29 42	98 15	.....	10	Otto Friedrich.
New Brunswick, N. J	40 30	75 31	30?	7	Edwin Allen.
New Buffalo, Mich	41 45	86 46	600	12	J. B Crosby.
New Castle, Me	44 07	69 36	88	7	Charles L. Nichols.
New Danemora, Wis	44 17	90 38	.....	6	Emil Haeuser.
New Harmony, Ind	38 08	87 50	320	12	John Chappellsmith.
New Haven, Ct	41 18	72 57	.....	1	H. G. Du Bois, jr.
New Lisbon, Ohio	40 45	80 46	961	12	J. F. Benner.
New Orleans, La	29 57	90 00	.....	12	Lewes B. Taylor.
New York city, N. Y	40 43	74 05	159	12	Prof. O. W. Morris.
Niagara, N. Y	42 00	76 32	.....	12	Robert Howell.

(*a*) Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent of Survey of the N. and NW. Lakes.

(*b*) Chinameca.

(*c*) New Wied.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Norristown, Pa	40 08	75 19	153	12	Rev. J. Grier Ralston.
North Belgrade, Me	44 30	69 53	----	6	Almond H. Wyman.
North Bend, Ohio	39 08	84 35	800	5	A. A. Warder.
North Littleton, N. H	44 20	71 49	----	1	Rufus Smith.
North Whitehall, Pa	40 40	75 26	250	12	Edward Kohler.
Northwood, Ohio (*a*)	40 28	83 45	1,170	11	J. C. Smith.
Norway, Me	44 12	70 39	----	8	G. W. Verril, jr.
Norwich, Vt	43 42	72 21	----	7	Prof. A. Jackman.
Notre Dame, Ind	41 45	86 10	----	1	Thomas Vagnier.
Ogdensburg, N. Y	44 43	75 26	----	11	W. E. Guest.
Omaha, Neb	41 15	96 10	----	12	John G. Bain.
Omaha, Neb	41 15	96 00	----	2	William N. Byers.
Ontonagon, Mich. (*b*)	46 52	89 30	1,196	5	Henry Selby.
Oregon City, Oregon	----	----	----	3	G. H. Atkinson.
Orville, Ala	32 24	87 06	200	3	Dr. S. K. Jennings.
Oswego, N. Y	43 28	77 34	232	12	W. S. Malcolm.
Otsego, Mich	42 27	85 40	----	6	Matthew Coffin.
Otsego, Wis	43 27	89 13	----	6	L. M. Doyle.
Ottawa, Ill	41 20	88 47	500	12	Dr. J. O. Harris.
Ottawa Point, Mich. (*b*)	44 16	83 25	600	12	John Oliver.
Paducah, Ky	37 06	88 36	----	8	A. Mattison.
Pardeeville, Wis	43 29	89 14	----	3	S. Armstrong.
Paris, Ky	38 16	84 07	810	12	Dr. L. G. Ray.
Paris, Mo	39 30	92 00	1,700?	7	William F. Maxey.
Patoka, Ind	38 28	87 26	----	2	A. P. Turner.
Paulding, Miss	32 03	89 10	----	9	Rev. E. S. Robinson.
Pekin, Ill	40 36	89 45	----	12	J. H. Riblet.
Penn Yan, N. Y	42 42	77 11	747	12	Dr. H. P. Sartwell.
Peoria, Ill	40 36	89 40	----	12	Dr. Frederick Brendel.
Perry, Me	45 00	67 06	100	12	William D. Dana.
Perrysville, Ark	35 00	92 46	----	7	William H. Blackwell.
Philadelphia, Pa	39 57	75 11	----	12	Prof. James A. Kirkpatrick.
Pittsburg, Pa., [Marine Hospital]	40 30	80 00	----	12	Alexander M. Spence.
Platteville, Wis	42 45	90 45	----	12	J. L. Pickard and A. K.
Pleasant Plain, Iowa	41 07	91 54	----	12	Townsend McConnel.
Pocopson, Pa	39 54	75 37	218	12	Fenelon Darlington.
Point Coupee, La. (*c*)	30 42	91 30	----	7	A. W. Jackson, M. D.
Point Pleasant, Va	38 50	82 08	480	6	W. R. Boyers.
Pomfret, Ct	41 52	72 00	587	12	Rev. D. Hunt.
Pomona, Tenn	36 00	85 00	2,200	4	J. W. Dodge & Son.
Poplar Grove, Va	38 20	81 21	720	12	James E. Kendall.
Port Huron, Mich	42 53	82 24	606	6	James Allen.
Portland, Me	43 37	70 19	----	12	Henry Willis.
Portland, Me	43 39	70 15	187	8	J. W. Adams.
Portland, Oregon	45 24	122 30	150	8	George H. Stebbins.
Port La Vaca, Tex	28 40	96 45	14	2	James Gardiner.
Portsmouth, Ohio	38 50	82 49	468	12	D. B. Cotton.
Portsmouth, Va	36 50	76 19	34	12	Prof. N. B. Webster.
Poultney, Iowa	41 40	91 21	----	3	B. F. Odell.
Preston, Tex	33 47	96 35	----	5	James E. Moke.
Princeton, Min	45 50	93 45	----	12	O. E. Garrison.
Providence, R. I	41 49	71 25	120	12	Prof. A. Caswell.
Raleigh, N. C	35 47	78 48	317	8	W. H. Hamilton and Thomas Carter.
Red River Settlement, B. A	50 06	90 00	653	12	Donald Gunn.
Rhineland, Mo	38 46	91 46	800?	2	Charles Vogel.
Richmond, Ind	39 47	84 46	----	8	John Haines.
Richmond, Ind	39 47	84 46	----	7	W. W. Austin.
Richmond, Ind	39 47	84 47	800	7	Joseph Moore.
Richmond, Mass	42 23	73 20	1,190	9	William Bacon.
Richmond, Mo	39 12	93 56	----	7	Rufus W. Finley.

a Belle Centre.
b Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent Survey of the N. and NW. Lakes.
c Poydras College.

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	° ′	° ′	*Feet.*		
Rigolet, Labrador	54 30	56 21	.....	6	Henry Connelly.
Riley, Ill	42 08	88 33	650	12	E. Babcock.
Ripley, Ohio	38 47	83 31	.....	5	J. Ammen.
Rochester, N. Y	43 08	77 51	516	12	Prof. Chester Dewey, LL. D.
Rochester, N. Y	43 08	77 51	522	10	Dr. M. M. Mathews.
Rockport, Ohio	41 31	81 53	665	12	Edward Colbrunn.
Rockville, Ind	39 46	87 06	.....	2	H. H. Anderson and J. W. Tenbrock.
Rocky Run, Wis	43 26	89 19	.....	6	W. W. Curtis.
Rose Hill, Va	38 00	76 57	250	12	George Wythe Upshaw.
Rossville, Iowa	43 10	91 21	1,400	12	C. D. Beeman.
Rougemont, Va	38 05	78 21	450	12	George C. Dickinson.
Roundtop, Tex	.....	.....	.....	12	Bruno Schuman.
Rupert, Vt	43 15	73 11	750	12	Joseph Parker.
Ruthven, Va	37 21	77 33	.....	4	Julian C. Ruffin.
Sackett's Harbor, N. Y. (*a*)	43 55	75 57	263	6	Henry Metcalf.
Sacramento, Cal	38 35	121 28	41	12	Dr. Thomas M. Logan.
St. Augustine, Fla	29 48	81 35	8	12	Dr. P. B. Mauran.
St. George's, Bermuda	32 23	64 40	123	12	R. M. Sanford.
St. John's, Newfoundland	45 35	52 39	170	12	J. Delaney.
St. John's, S. C	33 00	80 00	50	12	T. P. Ravenel.
St. Johnsbury, Vt	44 25	72 00	540	12	Franklin Fairbanks.
St. Louis, Mo	38 37	90 16	.....	12	George Engelmann.
St. Louis, Mo	28 37	90 16	428	11	Augustus Fendler.
St. Martin, Canada	45 32	73 36	118	12	Dr. Charles Smallwood.
St. Mary's, Md	38 10	76 41	40	1	Rev. James Stephenson.
St. Mary's River, Mich	46 20?	84 10	585	1	?
Salt Ponds, Fla. (*b*)	24 33	81 48	.....	12	William C. Dennis.
Sandwich, Ill	41 39	88 43	.....	12	Dr. N. E. Ballou.
San Francisco, Cal	37 48	122 27	130	11	Dr. W. O Ayres.
San Patricio, Tex	27 55	97 50	.....	6	James O. Gaffney.
Santa Clara, Cal	37 20	122 00	98	4	Prof. Oliver S. Frambes.
Santa Clara, Cal	37 10	122 00	100	5	S. A. Gould.
Saratoga, N. Y	43 06	74 00	960	9	Walter H. Riker.
Savannah, Ga	32 05	81 07	42	9	Dr. John F. Posey.
Savannah, Ohio	41 12	82 34	.....	12	Dr. John Ingram.
Saybrook, Ct	41 18	72 20	10	12	James Rankin.
Schenectady, N. Y	42 49	73 55	290	4	Alexis A. Julien.
Schenectady, N. Y	42 48	73 55	.....	2	Hubert A. Schauber.
Selma, Ala	32 25	87 04	200	9	Dr. Samuel K. Jennings.
Seville, Fla	30 29	84 07	.....	10	Lardner Gibbon.
Sewickleyville, Pa	40 27	80 09	.....	3	John J. Travelli.
Shamokin, Pa	40 45	76 31	700	12	P. Friel.
Sharonville, Ohio	33 12	84 35	800	8	W. T. Bowen.
Shelburne, N. H	44 23	71 06	700	12	Fletcher Odell.
Shelbyville, Ind	39 30	85 43	.....	7	J. T. Bulloch.
Sioux City, Iowa	42 31	96 25	.....	1	Dr. John J. Saville.
Sisterdale, Tex	29 54	98 35	1,000	12	Ernst Kapp.
Smithfield, Va	36 50	76 41	100	12	Dr. John R. Purdie.
Somerset, Pa	40 02	79 02	2,195	12	George Mowry.
South Bend, Ind	41 37	86 08	600	8	Miss Georgiana Webb and J. H. Dayton.
South Groton, Mass	42 34	71 30	300	3	Alfred Collier.
Sparta, Ga	33 17	83 09	550	11	Dr. E. M. Pendleton.
Spencertown, N. Y	42 19	73 41	800	11	James M. Alexander.
Springdale, Ky	38 07	85 34	570	12	Mrs. L. Young.
Springfield, Mass	42 06	72 35	.....	3	F. A. Brewer.
Springfield, Tex	31 39	96 40	4,500	1	T. A. Turner.
Spring Hill, Ala. (*c*)	30 42	88 01	.....	2	Rev. J. J. Nicholson.
Spring Hill, Kan. (*d*)	38 37	94 56	.....	7	Rev. J. H. Drummond.
Spring Hill, Ark	33 33	93 35	.....	7	P. F. Finley.
Stanbridge, Canada East	45 08	73 00	.....	12	J. C. Baker.

a Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent Survey of the N. and NW. Lakes.
b Key West.
c Near Mobile.
d Celestville.

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NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Steuben, Me	44 28	67 50	50	12	J. D. Parker.
Stockton, Mo	37 36	93 48	800	7	William Wells.
Stratford, N. H	44 44	71 34	1,000	12	Branch Brown.
Stratham, N. H	43 00	70 54	.....	7	Andrew Wiggin.
Stribling Springs, Va	38 17	79 12	1,639	4	Jed. Hotchkiss.
Superior, Wis. (*a*)	46 38	92 03	.....	5	George R. Stuntz.
Superior, Wis	46 38	92 03	.....	3	William Mann.
Sykesville, Md	39 23	76 57	700	12	Miss Harriott M. Baer.
Tarentum, Pa	40 37	79 19	950	11	John H. Baird.
Tarrant, Tex	33 16	95 34	.....	7	Dr. B. L. D'Spain and J. M. Ewing.
Texana, Tex	28 55	96 40	60	1	William Coleman.
The Plains, Va	38 50	77 51	.....	2	John Pickett.
Thomaston, Ga. (*b*)	32 56	84 30	750	12	Dr. James Anderson.
Thompson, Ga	33 26	82 28	.....	5	Dr. W. T. Grant.
Thunder Bay Island, Mich. (*a*)	45 02	83 09	600	12	J. J. Malden.
Tickfaw Station, La	30 30	90 32	.....	6	C. B. Swasey.
Tiskilwa, Ill	41 15	89 30	.....	8	Verry Aldrich.
Toledo, Ohio	41 45	83 36	.....	6	E. B. Raffensperger.
Topsham, Me	44 00	70 00	60	8	Warren Johnson.
Toronto, Canada West	43 39	79 02	108	12	Magnetic Observatory.
Trenton, Mo., (near)	40 02	93 39	.....	1	Thomas A. Conkling.
Troy, Ohio	40 03	84 06	975	12	Charles L. McClung.
Turk's Island, Bahamas	21 29	71 05	.....	6	J. B. Hayne.
Tuscumbia, Mo	38 13	92 23	800?	4	William M. Lumpkin.
Union Hill, Texas	30 30	96 31	540	12	Dr. W. H. Gantt.
Union Ranche, Cal	39 30	121 00	.....	8	James Slaven.
Uniontown, Ala	32 30	87 33	.....	5	Rev. R. A. Cobb.
University Place, Tenn	35 12	85 48	2,060	1	Charles B. Barney.
Upper Alton, Ill	38 55	90 10	.....	9	John James.
Urbana, Ohio	40 06	83 45	1,015	12	Prof. M. G. Williams.
Vassalborough, Me	40 27	69 42	.....	6	James Van Blascom.
Vera Cruz, Mexico	19 10	96 08	26	8	Dr. G. Berendt.
Waldron, Ark	34 53	94 00	.....	7	George W. Featherston.
Wallingford, Ct	41 26	72 50	133	12	B. F. Harrison.
Wampsville, N. Y	43 04	75 50	500	12	Dr. Stillman Spooner.
Warren, Me	44 05	59 15	.....	6	Calvin Bickford.
Warrenton, Mo	38 50	91 09	.....	6	Marion F. Hamaker and M. A. Tidswell.
Warrington, Fla	30 20	87 16	12	4	T. Abert.
Wausau, Wis	45 00	89 40	.....	12	Dr. W. A. Gordon.
Washington, Ark	33 43	93 37	.....	12	Dr. Nathan D. Smith.
Washington, D. C	38 56	76 58	.....	12	Smithsonian Institution.
Washington, Texas	30 26	96 15	.....	12	B. H. Rucker.
Waterford, N. Y	42 48	73 41	.....	12	John C. House.
Waterloo, Iowa	42 30	92 30	.....	1	L. W. Doyle.
Waukesha, Wis	43 00	88 11	812	2	S. A. Bean.
Waynesville, Ill	40 16	89 07	.....	3	J. E. Cantril.
Waynesville, Mo	37 50	92 07	.....	4	B. G. Lingow.
Webberville, Texas	30 14	97 34	394?	11	E. W. Yellowby.
Welshfield, Ohio	41 23	81 12	1,115	12	B. F. Abell.
West Day, N. Y	43 20	74 16	.....	2	Jude M. Young.
Westerville, Ohio	40 04	83 10	.....	12	Prof. John Haywood.
Westfield, Mass	42 06	72 48	.....	12	Rev. Emerson Davis, D. D.
West Green, N. C	36 06	79 45	840	2	Samuel W. Westbrook.
West Haverford, Pa	40 00	75 21	.....	12	Dr. Paul Swift.
West Salem, Ill	38 30	88 00	.....	12	Henry A. Titze.
Westtown, Pa	39 57	75 43	550	3	Samuel Alsop.
West Urbana, Ill	40 09	88 17	550	12	Dr. John Swain.
Westville, Miss	31 52	90 00	.....	6	J. R. Cribbs.
Westwood, Va	37 33	77 27	.....	12	C. J. Meriwether.
Wet au Glaize, Mo	38 06	92 17	.....	7	B. D. Dodson.

* Under the direction of Captain George C. Meade, Topographical Engineers, Superintendent Survey of the N. and NW. Lakes.

b The Rock.

No. 1.—LIST OF STATIONS AND OBSERVERS, 1859.

NAME OF STATION.	North latitude.	West longitude from Greenwich.	Height above the sea.	No. of months observed.	NAME OF OBSERVER.
	° ′	° ′	*Feet.*		
Weymouth, Mass	42 10	71 00	150	1	Norton Q. Tirrell, M. D.
Wheaton, Ill	41 49	88 06	682	12	G. H. Collier.
Wheeling, Va	40 07	80 42	.....	2	George P. Lockwood.
Wheelock, Texas	30 55	96 27	500?	7	F. Kellogg.
Whitemarsh Island, Ga	32 04	81 05	18	12	R. T. Gibson.
Williamstown, Mass	42 43	73 13	720	11	Martin L. Berger and William P. Alcott.
Willow Creek, Ill	41 45	89 05	1,040	8	E. E. Bacon.
Wilson, N Y	43 20	78 56	250	12	E. S. Holmes.
Winchester, Tenn	35 12	86 00	.....	8	S. W. Houghton.
Winchester, Va	39 15	78 10	.....	12	John W. Marvin.
Windham, Ohio	41 10	81 05	.....	12	Samuel W. Treat.
Windsor, Nova Scotia	44 59	64 07	200	12	Rev. Prof. J. M. Hensley and Prof. H. Howe.
Winnebago, Ill	42 17	89 11	.....	12	J. W. Tolman.
Wolfville, Nova Scotia	45 06	64 25	95	11	C. F. Hartt.
Woodstock, Vt	43 36	72 35	650	1	Charles Marsh.
Woodstock, Ill	42 20	88 30	.....	2	George R. Bassett.
Woodstown, N. J	39 39	75 25	30	3	George Watson.
Worcester, Mass	42 16	71 48	536	12	H. C. Prentiss.
Worthington, Pa	40 52	79 39	.....	12	Samuel Scott.
Wyandotte City, Kan	39 08	94 20	707	7	John H. Miller.
Yellsville, Ark	36 14	92 40	.....	4	L. W. West and W. B. Flippin.
Ypsilanti, Mich	42 15	83 47	.....	12	C. S. Woodard.
Zanesville, Ohio	39 58	82 01	700	1	Aaron Peters.
Zebulon, Ga	33 07	84 26	.....	3	Mrs. J. T. Arnold.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.71	10	9 a. m.	30.20	15	9 a. m.	28.96
	Montreal	30.07	10	2 p. m.	30.71	7	9 p. m.	29.08
	Moose Factory	30.07	------	------	------	------	------	------
	St. John's	29.71	25	7 a. m.	30.33	16	9 p. m.	28.88
	St. Martin	30.02	10	6 a. m.	30.61	15	2 p. m.	29.13
	Toronto	29.68	10	6 a. m.	30.28	15	6 a. m.	28 94
	Windsor	30.06	24	2 p. m.	30.62	8	7 a. m.	29.11
	Wolfville	29.96	3	7 a. m.	30.64	8	7 a. m.	29.17
Maine	Gardiner	29.99	24	7 a. m.	30.45	8	7 a. m.	29.20
	Perry	30.06	3	2 p. m.	30.60	15	9 p. m.	29.26
	Portland	30.05	24	7 a. m.	30.60	7	9 p. m.	29.20
	Steuben	30.03	20	9 p. m.	30.66	8	7 a. m.	29.14
New Hampshire	Shelburne	29.85	24	7 a. m.	30.28	8	7 a. m.	29.14
Vermont	Burlington	29.74	10	7 a. m.	30.30	7	9 p. m.	28.80
	St. Johnsbury	29.46	10	9 p. m.	*a* 29.96	15	9 p. m.	28.71
	Woodstock	29.34	24	7 a. m.	29.80	7	9 p. m.	28.47
Massachusetts	Amherst	29.89	24	7 a. m.	30.39	15	2 p. m.	29.17
	Bridgewater	29.96	24	7 p. m.	30.45	15	2 p. m.	29.23
	Cambridge	30.12	24	9 p. m.	30.63	7	9 p. m.	29.28
	Danvers	30.34	24	7 a. m.	*b* 30.80	7	9 p. m.	29.67
	Lawrence	29.99	24	7 a. m.	*c* 30.51	7	9 p m.	29.22
	Nantucket	30.14	24	9 p. m.	30.68	7	9 p. m.	29.48
	New Bedford	30.04	24	9 p. m.	30.60	7	9 p. m.	29.28
	Westfield	30.02	24	9 p. m.	30.50	7	9 p. m.	29.19
	Weymouth	29.67	25	7 a. m.	*d* 30.17	7	9 p. m.	29.01
	Williamstown	29.42	24	7 a. m.	29.88	15	9 p. m.	28.75
	Worcester	29.54	24	7 a. m.	30.40	7	9 p. m.	28.80
Rhode Island	Providence	29.92	24	Sunrise.	30.50	7	10 p. m.	29.08
Connecticut	Middletown	29.96	24	7 a. m.	30.46	7	9 p. m.	29.16
	Pomfret	29.48	24	9 p. m.	29.99	7	9 p. m.	28.77
	Wallingford	30.03	24	7 a. m.	*d* 30.55	3	9 p. m.	29.17
New York	Bellport	29.44	24	7 a. m.	29.89	8	2 p. m.	28.81
	Buffalo	29.42	23	7 a. m.	29.85	7	2 p. m.	28.69
	Cazenovia	28.65	10	2 p. m.	29.05	7	6.20 p. m.	27.89
	Fishkill Landing	30.31	24	7 a. m.	30.75	15	9 p. m.	29.64
	Flatbush	30.08	24	7 a. m.	30.56	7	9 p. m.	29.35
	Fort Edward	29.94	10	2 p. m.	30.48	7	9 p. m.	29.07
	New York city	30.15	24	7 a. m.	30.65	7	9 p. m.	29.38
	Oswego	29.42	10	2 p. m.	29.90	15	2 p. m.	28.66
	Penn Yan	29.50	9	2 p. m.	29.92	7	Sunset.	28.74
	Rochester, [Dewey]	29.48	10	2 p. m.	30.16	15	2 p. m.	28.70
	Spencertown	29.41	24	7 a. m.	29.90	15	7 a. m.	28.73
	Waterford	30.08	24	7 a. m.	30.57	15	2 p. m.	29.32
New Jersey	Lambertville	30.12	24	9 p. m.	30.62	7	9 p. m.	29.49
	Newark	30.09	10	9 p. m.	30.52	15	9 p. m.	29.46
Pennsylvania	Berwick (*e*)	29.38	24	7 a. m.	*f* 29.84	7	9 p. m.	*g* 28.75
	Cannonsburg	28.94	23	7 a. m.	29.37	15	7 a. m.	28.32
	Carlisle	29.30	24	7 a. m.	29.75	15	2 p m.	28.62
	Chambersburg	29.46	24	7 a. m.	29.90	15	7 a. m.	28.84
	Easton	29.68	24	8 a. m.	30.16	15	2 p. m.	29.02
	Gettysburg	29.62	24	7 a. m.	30.09	15	2 p. m.	28.98
	Harrisburg, [Heisely]	29.90	24	7 a. m.	30.35	15	2 p. m.	29.23
	Harrisburg, [Hickok]	29.85	24	7 a. m.	30.33	15	2 p. m.	29.17
	Lewisburg	29.67	24	7 a. m.	30.15	15	2 p. m.	28.97
	Linden (*h*)	29.66	10	1 p. m.	30.16	15	1 p. m.	29.00
	Morrisville	30.25	24	2 p. m.	*d* 30.72	7	9 p. m.	29.52

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 7 a. m. on the 24th.
b Same height at 1 and 9 p. m. on the 24th.
c Same height at 2 p. m. on the 24th.
d Same height at 9 p. m. on the 24th.
e Not corrected for temperature.
f Same height at 9 p. m. on the 23, and 2 p. m. on the 24th.
g Same height at 7 and 9 p. m. on the 15th.
h Incomplete.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Mount Joy (*a*)	29.77	24	9 p. m.	30.22	15	2 p. m.	29.12
	Murrysville	28.63	23	7 a. m.	29.37	7	2 p. m.	28.21
	Norristown	30.03	24	7 a. m.	30.56	15	2 p. m.	29.35
	Philadelphia	29.96	24	7 a. m.	30.47	7	9 p. m.	29.39
	Pittsburg, [Marine Hospital]	29.06	23	2 p. m.	29.53	7	2 p. m.	28.34
	Somerset	27.69	23	7 a. m.	28.01	15	2 p. m.	27.15
	Westtown	29.55	24	7 a. m.	30.03	15	2 p. m.	28.92
Maryland	Annapolis	30.18	24	7 a. m.	30.65	15	2 p. m.	29.58
	Baltimore	30.10	24	7 a. m.	30.59	15	2 p. m.	29.42
	Chestertown	30.17	24	7 a. m.	30.64	15	2 p. m.	29.50
	Frederick	29.89	24	7 a. m.	30.47	7	2 p. m.	29.19
	Leonardtown	29.76	24	7 a. m.	30.13	7	9 p. m	29.18
District Columbia	Washington	30.15	24	7 a. m.	30.61	15	2 p. m.	29.47
Virginia	Portsmouth	30.19	23	9 p. m.	30.61	7	9 p. m.	29.55
North Carolina	Chapel Hill	29.74	24	7 a. m.	30.15	7	2 p. m.	29.18
	Davidson College	29.28	23	7 a. m.	29.66	15	7 a. m.	28.77
	Murfreesborough	29.52	24	7 a. m.	30.02	15	2 p. m.	28.91
South Carolina	All Saints	30.16	23	9 p. m.	30.53	15	2 p. m.	29.68
	Charleston	30.28	24	7 a. m.	30.62	15	9 p. m.	29.81
	Columbia, [Barton]	30.03	23	9 p. m.	30.37	15	2 p. m.	29.57
	Columbia, [White]	28.99	18	9 p. m.	29.30	15	2 p. m.	28.69
	St. John's (*b*)	30.30	19	2 p. m.	30.60	15	7 a. m.	29.87
Georgia	Athens	29.47	24	7 a. m.	29.83	14	2 p. m.	29.01
	Atlanta (*a*)	30.07	18	2 p. m.	*c* 30.35	15	7 a. m.	29.70
	Augusta	29.97	25	7 a. m.	30.20	1	7 a. m.	29.60
	Savannah	30.24	24	9 p. m.	30.59	15	2 p. m.	29.83
	Thomaston	29.25	23	7 a. m.	29.59	14	2 p. m.	28.86
	Thomson	29.77	24	7 a. m.	30.10	22	7 a. m.	29.16
Florida	Atsena	29.90	18	9 p. m.	30.12	6	7 a. m.	29.40
	Jacksonville	30.30	18	9 p. m.	30.58	14	2 p. m.	29.98
	St. Augustine	30.13	18	2 p. m.	*c* 30.40	15	2 p. m.	29.80
	Salt Ponds (*a*)	29.79	19	2 p. m.	29.93	16	7 a. m.	29.66
Alabama	Greensborough (*d*)	29.84			?			?
Mississippi	Columbus	30.04	23	7 a. m.	30.59	7	2 p. m.	29.61
	Natchez	29.17	22	9 p. m.	30.20	6	2 p. m.	29.27
	Paulding	29.93	23	7 a. m.	30.35	13	9 p. m.	29.58
Texas	New Braunfels	27.88	4	9 p. m.	28.15	13	2 p. m.	*e* 27.72
	Sisterdale	28.85						
	Washington	29.85	23	7 a. m.	30.34	13	2 p. m.	29.51
Tennessee	Glenwood	29.74	23	7 a. m.	30.29	14	2 p. m.	29.22
	La Grange	29.39	23	7 a. m.	*f* 29.83	6	2 p. m.	28.90
	Memphis	29.97	22	9 p. m.	30.54	6	2 p. m.	29.55
Kentucky	Bardstown	29.63	22	9 p. m.	30.13	14	2 p. m.	29.09
	Danville	29.22	23	7 a. m.	29.65	14	9 p. m.	28.67
	Louisville	29.70	22	9 p. m.	30.27	14	3 p. m.	29.12
	Paris	29.34	22	9 p. m.	29.86	14	2 p. m.	28.79
	Springdale	29.55	23	7 a. m.	30.09	14	2 p. m.	28.98
Ohio	Avon	29.14	23	7 a. m.	29.64	15	7 a. m.	28.53
	Bowling Green	29.34	23	7 a. m.	29.84	14	9 p. m.	28.71
	Cincinnati, [Harper]	29.55	23	7 a. m.	30.18	5	2 p. m.	29.00
	Cincinnati, [Phillips]	29.82	23	7 a. m.	30.45	7	7 a. m.	29.20
	Cleveland	29.08	23	7 a. m.	29.50	15	7 a. m.	28.47
	Hillsborough	28.94	23	7 a. m.	29.43	14	2 p. m.	28.23
	Hudson	28.89	23	7 a. m.	29.34	15	7 a. m.	29.23
	Lancaster (*d*)	28.91	23	7 a. m.	29.36	15	7 a. m.	*g* 28.35
	Montville	28.76	23	7 a. m.	29.21	14	9 p. m.	28.18
	New Lisbon (*a*)	28.71	18	7 a. m.	*h* 29.10	15	7 a. m.	28.15
	Northwood	28.87	23	7 a. m.	29.35	14	9 p. m.	29.19

a Not corrected for temperature.
b Aneroid; incomplete.
c Same height at 9 p. m. on the 18th.
d Incomplete.
e Same height at 2 p. m. on the 20th.
f Same height at 9 p. m. on the 22d.
g Same height at 2 p. m. on the 14th.
h Same height at 7 a. m. on the 23d.

No. 2.—BAROMETER, CORRECTED TO 32° F., JANUARY, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Portsmouth	29.49	23	7 a. m.	29.86	14	2 p. m.	29.06
	Ripley	29.54	23	7 a. m.	30.09	1	7 a. m.	28.99
	Savannah	29.03	23	7 a. m.	29.45	15	7 a. m.	28.33
	Troy	30.15	18	2 p. m.	30.50	15	7 a. m.	29.57
	Urbana	29.01	23	7 a. m.	29.48	15	7 a. m.	28.44
	Westerville	28.99	23	7 a. m.	29.46	14	2 p. m.	*a* 28.41
Michigan	Battle Creek	29.18	18	7 a. m.	29.60	14	9 p. m.	28.61
	Detroit	29.01	23	7 a. m.	29.42	15	7 a. m.	28.70
	Lansing	29.08	22	8 p. m.	29.50	14	8 p. m.	28.53
	Marquette	29.32	9	9 p. m.	29.74	20	7 a. m.	28.69
	New Buffalo (*b*)	29.39	22	9 p. m.	29.88	27	9 p. m.	28.77
	Ottawa Point	29.44	10	6 a. m.	29.94	15	6 a. m.	28.88
	Thunder Bay Island	29.40	10	9 a. m.	29.86	15	6 a. m.	28.90
	Ypsilanti	29.14	18	7 a. m.	29.52	14	9 p. m	28.56
Indiana	Aurora	29.62	22	9 p. m.	30.07	14	9 p. m.	29.01
	Cannelton	29.83	22	9 p. m.	30.41	14	2 p. m.	29.24
	New Harmony	29.85	22	9 p. m.	30.43	14	2 p. m.	29.22
	Richmond	29.10	23	7 a. m.	29.54	14	2 p. m.	28.50
Illinois	Batavia, [Mead]	29.27	22	7 a. m.	*c* 29 78	14	2 p. m.	28.76
	Manchester	28.96	22	7 a. m.	29.57	14	1 p. m.	28.39
	Marengo	28.99	18	2 p. m.	29.59	14	2 p. m.	28.53
	Upper Alton	29.62	22	2 p. m.	30.19	14	7 a. m.	29.08
	West Urbana	29.35	22	9 p. m.	29.87	14	7 a. m.	*d* 28.82
	Wheaton	29.29	22	9 p. m.	29.83	14	2 p. m.	28.72
Missouri	St. Louis	29.70	22	2 p. m.	*e* 30.30	14	7 a. m.	*f* 29.14
Wisconsin	Appleton	29.03	22	9 p. m.	29.56	20	7 a. m.	28.57
	Beloit	29.27	22	9 p. m.	29.77	27	2 p. m.	28.72
	Kenosha (*g*)	29.59	20	9 p. m.	30.06	13	2 p. m.	29.10
	Madison	29.04	22	2 p. m.	29.56	27	9 p. m.	28.51
	Manitowoc (*g*)	29.80	22	9 p. m.	30.26	27	9 p. m.	29.19
	Milwaukee, [Winkler]	29.35	22	2 p. m.	29.82	27	9 p. m.	28.80
	Waukesha	29.19	17	9 p. m.	29.54	14	2 p. m.	28.68
Iowa	Border Plains	28.87	22	2 p. m.	29.47	27	2 p. m.	28.19
	Dubuque	29.42	22	2 p. m.	30.00	27	2 p. m.	28.75
	Fairfield	27.74	22	7 a. m.	28.40	27	2 p. m.	26.89
	Muscatine	29.64	22	9 p. m.	30.17	27	2 p. m.	29.08
Minnesota	Beaver Bay	29.22	22	7 a. m.	29.70	20	7 a m.	28.60
Nebraska	Gilbert's Trading Post	22.97	22	7 a. m.	23.31	27	7 a. m.	22.63
Kansas	Leavenworth City	28.77	22	7 a. m.	29.30	27	7 a. m.	*f* 28.45
Utah	Great Salt Lake City	25.88	------	------	26.48	------	------	25.28
California	Sacramento	30.22	7	7 a. m.	30.49	31	2 p. m.	29.44
Mexico	Cordova	27.26	23	9 a. m.	27.58	28	3 p. m.	27.04
	Mirador	23.03	8	7 a. m.	*h* 23.27	6	7 a. m.	22.80
	Vera Cruz (*b*)	30.19	8	8 a. m.	30.53	13	2 p. m.	29.92
West Indies	Nassau, Bahamas (*i*)	30.23	18	------	*j* 30.34	12	------	*k* 30.14
	St. George's, Bermuda	30.08	------	------	30.46	------	------	29.48
Central America	Guatemala	25.30	9	9 a. m.	25.42	21	3 p. m.	25.17
South America	Catharina Sophia, Surinam	29.89	6	6 a. m.	29.97	15	2 p. m.	29.80
	Catharina Sophia, Surinam (*l*)	29.98	6	2 p. m.	*m* 30.06	8	2 p. m.	29.90
	Chanarcillo, Chili	26.08	19	12 m.	26.20	28	3 p. m	26.02
East'n Continent	Jerusalem, Palestine (*l*)	27.69	18	2 p. m.	27.99	16	9 p. m.	27.46

a Same height at 7 a. m. on the 15th.
b Incomplete.
c Same height at 2 p. m. on the 22d.
d Same height at 9 p. m. on the 14th.
e Same height at 9 p. m. on the 22d.
f Same height at 2 p. m. on the 27th.
g Not corrected for temperature.
h Same height at 9 p. m. on the 8th.
i Mean obtained from daily maximum and minimum.
j Same height on the 19th.
k Same height on the 14th and 17th.
l Aneroid.
m Same height at 6 a. m. on the 7th and 18th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1859.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.61	11	9 a. m.	29.94	20	9 a. m.	28.94
	Montreal	29.95	25	7 a. m.	*a* 30.42	20	9 p. m.	29.17
	Moose Factory	29.90						
	St. John's	29.52	9	7 a. m.	30.13	21	9 p. m.	28.82
	St. Martin	29.86	11	2 p. m.	30.46	20	2 p. m.	28.87
	Toronto	29.63	11	6 a. m	29.98	20	6 a. m.	28.88
	Windsor	29.90	8	7 a. m.	30.44	21	7 a. m.	28.97
	Wolfville	29.86	8	7 a. m.	30.45	21	7 a. m.	29.05
Maine	Gardiner	29.95	8	7 a. m.	30.37	20	9 p. m.	29.09
	Perry	29.91	8	7 a. m.	30.37	20	9 p. m.	28.98
	Portland	29.91	8	7 a. m.	*b* 30.33	20	9 p. m.	29.09
	Steuben	29.92	8	7 a. m.	30.37	20	9 p. m.	29.02
New Hampshire	Concord	29.36	6	7 a. m.	*c* 29.69	20	2 p. m.	28.63
	Shelburne	29.74	8	7 a. m.	30.08	21	7 a. m.	29.01
Vermont	Burlington	29.62	25	7 a. m.	30.01	20	2 p. m.	28.84
	Lunenburg	28.70	6	7 a. m.	29.08	20	12 m.	28.12
	Norwich (*d*)	29.60	17	7 a. m.	29.94	19	7 a. m.	28.92
	St. Johnsbury	29.35	11	9 p. m.	29.70	20	7 p. m.	28.49
Massachusetts	Amherst	29.75	11	9 p. m.	30.13	20	2 p. m.	29.06
	Cambridge	29.94	8	7 a. m.	30.37	21	9 p. m.	29.23
	Danvers	30.23	8	7 a. m.	*e* 30.58	20	9 p. m.	29.62
	Lawrence	29.85	6	7 a. m.	30.27	20	2 p. m.	*f* 29.17
	Nantucket	29.99	11	9 p. m.	30.39	9	9 p. m.	29.32
	New Bedford	29.91	8	7 a. m.	*a* 30.31	9	2 p. m.	*g* 29.24
	Westfield	29.89	5	9 p. m.	30.25	20	2 p. m.	29.27
	Williamstown	29.28	5	9 p. m.	29.66	20	2 p. m.	28.60
	Worcester	29.41	8	2 p. m.	29.89	20	2 p. m.	28.75
Rhode Island	Providence	29.85	17	10 p. m.	30.29	9	10 p. m.	29.18
Connecticut	Middletown	29.82	6	7 a. m	30.25	20	2 p. m.	29.15
	Pomfret	29.35	10	9 p. m.	29.73	20	2 p. m.	28.74
	Wallingford	29.89	11	9 p. m.	30.31	20	2 p. m.	29.21
New York	Bellport	29.33	11	2 p. m.	29.65	9	9 p. m.	28.75
	Buffalo	29.33	11	8 a. m.	29.67	20	8 a. m.	28.72
	Cazenovia	28.55	17	7 a. m.	28.88	20	2 p. m.	27.96
	Fishkill Landing	30.21	11	2 p. m.	*h* 30.60	20	2 p. m.	29.55
	Flatbush	29.96	11	2 p. m.	30.32	20	2 p. m.	29.27
	New York city	29.97	11	2 p. m.	30.39	20	2 p. m.	29.36
	Oswego	29.32	11	2 p. m.	29.65	20	7 a. m.	28.67
	Penn Yan	29.39	11	2 p. m.	*h* 29.68	20	2 p. m.	28.80
	Rochester, [Dewey]	29.36	11	7 a. m.	29.70	20	7 a. m.	28.66
	Spencertown	29.29	11	7 a. m.	29.66	20	2 p. m.	28.63
	Waterford	29.96	11	7 a. m.	30.32	20	2 p. m.	29.25
New Jersey	Lambertville	29.99	11	9 p. m.	*i* 30.38	9	9 p. m.	*f* 29.50
	Newark	29.99	11	6 p. m.	30.36	9	6 p. m.	29.40
Pennsylvania	Berwick (*j*)	29.29	11	7 a. m.	*k* 29.58	20	2 p. m.	28.67
	Cannonsburg	28.77	7	7 a. m.	29.11	3	7 a. m.	28.34
	Carlisle	29.17	12	7 a. m.	29.57	20	2 p. m.	28.65
	Chambersburg	29.32	11	7 a. m.	29.69	20	2 p. m.	28.85
	Easton	29.53	11	7 a. m.	29.92	20	2 p. m.	28.96
	Gettysburg	29.49	11	7 a. m.	29.81	20	2 p. m.	28.96
	Harrisburg, [Heisely]	29.77	11	2 p. m.	30.11	9	9 p. m.	29.28
	Harrisburg, [Hickok]	29.89	14	7 a. m.	*l* 30.16	3	2 p. m.	29.26
	Lewisburg	29.54	11	7 a. m.	29.90	20	2 p. m.	28.97
	Linden (*d*)	29.49	11	7 a. m.	29.90	20	1 p. m.	28.96

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 9 p. m. on the 11th.
b Same height at 9 p. m. on the 7th.
c Same height at 7 a. m. and at 2 p. m. on the 8th.
d Incomplete.
e Same height at 1 p. m. on the 11th.
f Same height at 9 p. m. on the 20th.
g Same height at 2 p. m. on the 20th.
h Same height at 2 p. m. on the 7th.
i Same height at 2 p. m. on the 11th.
j Not corrected for temperature.
k Same height at 7 a. m. on the 17th, at 2 p. m. on the 5th, 7th, 11th, and 17th, and at 9 p. m. on the 5th and 7th.
l Same height at 2 p. m. and 9 p. m. on the 14th.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Morrisville	30.09	11	2 p. m.	*a* 30.48	9	9 p. m.	29.48
	Mount Joy (*b*)	29.64	11	7 a. m.	30.00	20	2 p. m.	29.07
	Murrysville	28.68	11	7 a. m.	29.00	20	7 a. m.	28.20
	Norristown	29.93	11	2 p. m.	30.30	9	9 p. m.	29.34
	Philadelphia	29.88	11	2 p. m.	30.23	9	9 p. m.	29.32
	Pittsburg, [Marine Hospital]	28.91	11	7 a. m.	29.22	20	7 a. m.	28.42
	Somerset	27.57	1	2 p. m.	27.83	3	7 a. m.	27.17
	Westtown	29.42	11	7 a. m.	29.77	9	9 p. m.	28.88
Maryland	Annapolis	30.04	11	2 p. m.	30.39	9	9 p. m.	29.59
	Baltimore	29.95	11	7 a. m.	30.35	9	9 p. m.	29.37
	Chestertown	30.04	11	7 a. m.	30.40	9	9 p. m.	29.45
	Frederick	29.74	11	7 a. m.	30.12	9	9 p. m.	29.23
	Leonardtown	29.62	1	7 a. m.	*c* 29.88	9	9 p. m.	29.13
Dist. of Columbia	Washington	30.01	11	7 a. m.	30.37	9	9 p. m.	29.47
Virginia	Point Pleasant	29.38	12	7 a. m.	*d* 29.80	2	7 a. m.	*e* 29.00
	Portsmouth	30.02	1	7 a. m.	30.38	9	9 p. m.	29.36
	Ruthven	29.66	1	7 a. m.	*c* 29.95	9	9 p. m.	28.97
North Carolina	Chapel Hill	29.58	1	7 a. m.	29.91	9	2 p. m.	29.03
	Davidson College	29.10	1	7 a. m.	29.43	9	2 p. m.	28.56
	Murfreesborough	29.38	1	7 a. m.	*c* 29.75	3	7 a. m.	29.03
South Carolina	All Saints	30.01	1	7 a. m.	30.39	9	2 p. m.	29.38
	Charleston	30.13	1	7 a. m.	30.44	9	2 p. m.	29.59
	Columbia, [Barton]	29.84	1	7 a. m.	30.19	9	2 p. m.	29.31
	Columbia, [White]	28.86	1	7 a. m.	29.19	9	2 p. m.	28.41
	St. John's (*f*)	30.14	1	2 p. m.	30.43	9	2 p. m.	29.55
Georgia	Athens	29.29	1	7 a. m.	29.61	9	2 p. m.	28.80
	Savannah	30.09	1	7 a. m.	30.43	9	2 p. m.	29.56
	Thomaston	29.08	13	7 a. m.	29.37	9	2 p. m.	28.70
	Thomson	29.59	1	7 a. m.	29.90	9	2 p. m.	29.16
Florida	Atsena	29.82	13	9 p. m.	30.02	9	2 p. m.	29.39
	Jacksonville	30.14	1	7 a. m.	30.43	9	7 a. m.	29.66
	St. Augustine	29.99	1	7 a. m.	*g* 30.21	9	7 a. m.	29.57
	Salt Ponds (*b*)	29.73	14	2 p. m.	29.87	3	7 a. m.	*h* 29.49
Alabama	Greensborough	29.65	13	2 p. m.	29.95	8	9 p. m.	29.25
Mississippi	Columbus	29.85	13	7 a. m.	30.24	8	9 p. m.	29.38
	Natchez	29.51	12	9 p. m.	29.90	8	2 p. m.	29.05
	Paulding	29.75	13	7 a. m.	30.05	8	9 p. m.	29.35
Texas	Austin, [Palm]	29.48	20	9 p. m.	29.85	14	7 a. m.	29.01
	New Braunfels	27.75	12	9 p. m.	27.95	24	2 p. m.	*i* 27.60
	Northern tier of counties	29.40	------	------	------	------	------	------
	Sisterdale	28.65	20	7 a. m.	29.00	3	2 p. m.	28.26
	Washington	29,66	21	7 a. m.	29.98	8	7 a. m.	*j* 29.40
	Webberville	29.52	21	7 a. m.	29.84	8	2 p. m.	29.24
Tennessee	Glenwood	29.55	13	7 a. m	29.93	2	2 p. m.	29.17
	La Grange	29.22	20	9 p. m.	29.56	8	9 p. m.	28.84
	Memphis (*k*)	29.76	21	7 a. m.	30.18	8	2 p. m.	29.46
Kentucky	Bardstown	29.46	13	7 a. m.	29.87	2	2 p. m.	29.03
	Danville	29.03	13	7 a. m.	*a* 29.35	2	2 p. m.	28.55
	Louisville	29.50	12	9 p. m.	*l* 29.86	2	3 p. m.	29.04
	Paris	29.14	14	9 p. m.	29.46	2	2 p. m.	28.70
	Springdale	29.39	13	7 a. m.	29.75	2	2 p. m.	28.88
Ohio	Avon	28.98	11	7 a. m.	29.34	20	7 a. m.	28.58
	Bowling Green	29.22	11	7 a. m.	29.54	19	9 p. m.	28.76
	Cincinnati, [Harper]	29.52	13	7 a. m.	29.84	2	2 p. m.	29.04
	Cincinnati, [Phillips]	29.62	13	7 a. m.	30.01	2	2 p. m.	29.09
	Cleveland	28.98	11	7 a. m	29.25	20	7 a. m.	28.53

a Same height at 9 p. m. on the 11th.
b Not corrected for temperature.
c Same height at 7 a. m. on the 11th.
d Same height at 2 p. m. on the 7th and 26th, and at 9 p. m. on the 7th, 12th, and 26th.
e Same height on the 3d and 15th to the 19th.
f Aneroid. Incomplete.
g Same height at 9 p. m. on the 13th.
h Same height at 7 a. m. on the 9th.
i Same height at 7 a. m. on the 27th.
j Same height at 2 p. m. on the 8th.
k Maximum and minimum not corrected for temperature.
l Same height at 7 a. m. on the 21st.

No. 3.—BAROMETER, CORRECTED TO 32° F., FEBRUARY, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	College Hill	28.63	1	7 a. m.	28.90	2	2 p. m.	28.24
	Hillsborough	28.78	13	7 a. m	29.10	2	2 p. m.	28.32
	Hudson	28.76	11	7 a. m.	29.09	2	9 p. m.	28.30
	Montville	28.64	6	9 p. m.	28.96	20	7 a. m.	28.23
	New Lisbon (*a*)	28.58	11	7 a. m.	28.86	20	7 a. m.	28.15
	Northwood	28.75	2	9 p. m.	29.35	6	7 a. m.	*b* 29.02
	Portsmouth	29.37	13	7 a. m.	29.61	2	2 p. m.	29.01
	Ripley	29.39	12	9 p. m.	29 72	2	9 p. m.	28.98
	Savannah	28.85	6	9 p. m.	29.16	2	9 p. m.	*c* 28.40
	Troy	29.95	1	7 a. m.	30.20	2	9 p. m.	29.48
	Urbana	28.85	13	7 a. m.	29.15	2	2 p. m.	28.43
	Westerville	28.84	6	2 p. m.	29.13	2	2 p. m.	28.41
Michigan	Battle Creek	29.07	6	2 p. m.	*d* 29.38	19	9 p. m.	28.61
	Detroit	28.90	7	7 a. m.	29.14	15	2 p. m.	28.69
	Lansing	29.00	6	8 p. m.	29.30	19	8 p. m.	28.53
	Marquette	29.29	24	2 p. m.	29.73	19	2 p. m.	28.83
	New Buffalo	29.26	6	7 a. m.	29.60	19	9 p m.	28.74
	Ottawa Point	29.34	11	9 a. m.	29.73	20	6 a. m.	28.69
	Thunder Bay Island	29.33	24	6 p. m.	29.75	20	6 a. m.	28.58
	Ypsilanti	29.03	7	7 a. m.	29.39	20	7 a. m.	28.58
Indiana	Aurora	29.47	28	6 a. m.	29.77	2	2 p. m.	28.94
	Cannelton	29.64	13	7 a. m.	*e* 30.02	2	7 a. m.	29.20
	New Harmony	29.65	13	7 a. m.	30.05	2	7 a m.	29.20
Illinois	Batavia	29.16	6	7 a. m.	29.53	19	2 p. m.	28.67
	Manchester	28.81	13	7 a. m.	29.21	19	1 p. m.	28.33
	Marengo	28.89	6	2 p. m.	*f* 29.19	19	2 p. m.	28.40
	Upper Alton	29.45	13	7 a. m.	29.83	19	7 a. m.	29.07
	West Urbana	29.18	13	7 a. m.	29.55	19	2 p. m.	28.77
	Wheaton	29.16	12	9 p. m.	29.50	19	2 p. m.	28.63
Missouri	St. Louis	29.53	13	7 a. m.	29.93	19	2 p. m.	29.05
Wisconsin	Appleton	28.95	6	7 a. m.	29.40	19	2 p. m.	28.39
	Beloit	29.14	13	2 p. m.	29.58	19	2 p. m.	28.59
	Kenosha (*a*)	29.44?	6	7 a. m.	29.77	19	9 p. m.	29.00
	Madison	28.97	12	2 p. m.	29.57	19	7 a. m.	28.52
	Manitowoc (*a*)	29.71	6	7 a. m.	30.06	19	2 p. m	29.12
	Milwaukee, [Winkler]	29.25	6	2 p m.	29.61	19	2 p. m.	*g* 28.70
Iowa	Border Plains	28.75	9	7 a. m.	29.20	19	7 a. m.	28.18
	Dubuque	29.30	6	7 a. m.	29.69	19	2 p. m.	28.75
	Fairfield	27.21	10	7 a. m.	27.60	19	2 p. m.	26.82
	Muscatine	29.49	6	7 a. m.	*b* 29.83	19	7 a. m.	28.96
Minnesota	Beaver Bay	29.22	24	7 a. m.	29.64	17	2 p. m.	28.70
Kansas	Lawrence (*h*)	28.99	21	7 a. m.	29.43	20	7 a. m.	28.54
Utah	Great Salt Lake City	25.78	------	--------	26.21	------	--------	25.36
California	Sacramento	30.02	2	2 p. m.	30.34	27	7 a. m.	29.62
	San Francisco	29.93	3	7 a. m.	30.24	17	2 p. m.	29.54
Mexico	Cordova	27.12	13	9 a. m.	27.37	8	3 p. m.	26.90
	Mirador	22.89	12	8 p. m.	23.03	8	2 p. m.	22.67
	Vera Cruz (*h*)	29.98	12	12 p. m.	30.22	8	12 m.	29.74
West Indies	Centre Signal Station, Bermuda	30.02	12	Noon.	*i* 30.20	10	Noon.	29.75
	Nassau, Bahamas (*j*)	30.19	1	--------	30.30	9	--------	29.97
	St. George's, Bermuda	29.99	------	--------	30.23	------	--------	29.63
Central America	Guatemala	25.25	12	10 p. m.	25.36	16	4 p. m.	25.14
South America	Catharina Sophia, Surinam	29.91	18	6 a. m.	29.98	5	6 a. m.	29.80
	Catharina Sophia, Surinam (*k*)	29.96	27	6 p. m.	30.02	3	6 a m.	29.90
	Chanarcillo, Chili	26.06	24	6 a. m.	*l* 26.11	15	3 p. m.	26.02
East'n Continent	Jerusalem, Palestine (*k*)	27.63	27	7 a. m.	27.80	6	2 p. m.	*d* 27.42

a Not corrected for temperature.
b Same height at 7 a. m. on the 13th.
c Same height at 2 p. m. on the 3d.
d Same height at 9 p. m. on the 6th.
e Same height at 7 a. m. on the 21st.
f Same height at 7 a. m. and 2 p. m. on the 13th.
g Same height at 9 p. m. on the 19th.
h Incomplete.
i Same height at noon on the 15th.
j Mean obtained from daily maximum and minimum.
k Aneroid.
l Same height at 9 a. m. on the 24th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.43	2	9 a. m.	30.17	10	9 p. m.	28.44
	Montreal	29.84	2	7 a. m.	30.62	18	9 p. m.	29.17
	Moose Factory	29.72	------	--------	----------	30	--------	28.62
	St. John's	29.44	12	2 p. m.	30.00	1	9 p. m.	28.41
	St. Martin	29.69	2	6 a. m.	30.49	19	6 a. m.	29.62
	Toronto	29.41	1	10 p. m.	30.17	19	6 a. m.	28.32
	Windsor	29.79	14	9 p. m.	30.40	28	9 p. m.	29.10
	Wolfville	29.71	12	2 p. m.	30.22	26	9 p. m.	29.03
Maine	Gardiner	29.84	3	7 a. m.	30.42	19	2 p. m.	29.01
	Perry	29.77	14	9 p. m.	30.34	26	9 p. m.	29.04
	Portland	29.79	2	9 p. m.	30.38	19	2 p. m.	29.01
	Steuben	29.80	3	7 a. m.	30.34	19	9 p. m.	29.08
New Hampshire	Shelburne	29.63	3	7 a. m.	? 30.17	?	?	?
Vermont	Burlington	29.48	2	7 a. m.	30.20	19	7 a. m.	28.46
	Lunenburg	28.54	3	7 a. m.	*a* 29.12	19	12 m.	27.71
	Norwich (*b*)	29.56	2	7 a. m.	30.11	4	9 p. m.	29.11
	St. Johnsbury	29.22	2	7 a. m.	29.89	19	7 a. m.	28.26
Massachusetts	Amherst	29.63	2	2 p. m.	30.28	19	7 a. m.	28.82
	Bridgewater	29.68	2	2 p. m.	30.30	19	2 p. m.	29.02
	Cambridge	29.81	2	2 p. m.	*c* 30.44	19	2 p. m.	29.04
	Lawrence	29.74	2	7 a. m.	30.37	19	7 a. m.	28.95
	Nantucket	29.88	2	9 p. m.	30.47	19	7 a. m.	*d* 29.33
	New Bedford	29.78	2	9 p. m.	30.40	29	9 p. m.	29.13
	Westfield	29.74	2	9 p. m.	30.40	19	7 a. m.	29.02
	Williamstown	29.45	2	9 p. m.	29.75	19	7 a. m.	28.33
	Worcester	29.28	2	7 a. m.	29.86	19	2 p. m.	28.55
Rhode Island	Providence	29.67	2	10 p. m.	30.29	19	Sunrise.	28.98
Connecticut	Middletown	29.65	2	9 p. m.	30.31	19	7 a. m.	28.91
	New Haven	29.90	2	9 p. m.	30.53	19	7 a. m.	29.17
	Pomfret	29.24	2	9 p. m.	29.84	19	7 a. m.	28.52
	Wallingford	29.76	2	2 p. m.	*c* 30.41	19	7 a. m.	29.04
New York	Bellport	29.21	2	9 p. m.	29.75	4	2 p. m.	28.36
	Buffalo	29.12	2	8 a. m.	29.92	18	9 p. m.	28.25
	Cazenovia	28.44	2	2 p. m.	29.10	19	7 a. m.	27.52
	Fishkill Landing	30.08	2	9 p. m.	30.70	19	2 p. m.	29.42
	Flatbush	29.82	2	7 a. m.	30.44	29	2 p. m.	29.15
	New York city	29.87	5	7 a. m.	30.51	19	7 a. m.	29.19
	Oswego	29.10	2	2 p. m.	29.90	19	7 a. m.	28.21
	Penn Yan	29.28	2	2 p. m.	29.93	19	Sunrise	28.40
	Rochester, [Dewey]	29.22	2	7 a. m.	29.95	19	7 a. m.	28.12
	Spencertown	29.17	2	2 p. m.	29.83	19	7 a. m.	28.26
	Waterford	29.83	2	7 a. m.	30.50	19	7 a. m.	28.94
New Jersey	Lambertville	29.89	2	2 p. m.	30.52	19	7 a. m.	29.24
	Moorestown	29.70	3	7 a. m	30.20	19	7 a. m.	29.05
	Newark	29.84	2	7 a. m.	30.49	19	7 a. m.	29.19
Pennsylvania	Berwick (*e*)	29.14	2	7 a. m.	*f* 29.83	19	7 a. m.	*g* 28.42
	Cannonsburg	28.65	2	7 a. m.	29.20	29	7 a. m.	28.00
	Carlisle	29.02	2	7 a. m.	29.67	18	9 p. m.	28.30
	Chambersburg	29.22	2	7 a. m.	29.85	18	9 p. m.	28.51
	Easton	29.43	2	7 a. m.	30.11	19	7 a. m.	28.76
	Gettysburg	29.35	2	7 a. m.	*f* 29.99	18	9 p. m.	28.63
	Harrisburg, [Heisely]	29.62	2	2 p. m.	30.28	18	9 p. m.	28.87
	Harrisburg, [Hickok]	29.74	2	9 p. m.	30.31	19	2 p. m.	29.19
	Lewisburg	29.42	2	7 a. m.	30.09	18	9 p. m.	28.65
	Linden (*b*)	29.42	2	7 a. m.	30.08	18	9 p. m.	28.64
	Morrisville	29.97	2	2 p. m.	30.64	19	7 a. m.	29.37
	Mount Joy (*e*)	29.53	2	2 p. m.	*c* 30.14	18	9 p. m.	28.82
	Murrysville	28.58	2	7 a. m.	29.10	18	9 p. m.	27.93

* For changes in hours of observation, &c., see notes to table of thermometer for this month.

a Same height at 12 m. on the 3d.
b Incomplete.
c Same height at 9 p. m. on the 2d.
d Same height at 2 p. m. on the 19th.
e Not corrected for temperature.
f Same height at 2 p. m. on the 2d.
g Same height at 9 p. m. on the 18th.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.77	2	7 a. m.	30.45	18	9 p. m.	29.10
	Philadelphia	29.76	2	7 a. m.	30.36	29	2 p. m.	29.21
	Pittsburg, [Marine Hospital]	28.76	2	7 a. m.	29.32	29	7 a. m.	28.12
	Somerset	27.47	2	7 a. m.	27.95	19	7 a. m.	26.97
	Westtown	29.30	2	2 p. m.	29.94	18	9 p. m.	28.66
Maryland	Annapolis	29.91	2	7 a. m.	30.55	29	2 p. m.	29.30
	Baltimore	29.82	2	7 a. m.	30.51	18	9 p. m.	29.11
	Chestertown	29.90	2	7 a. m.	30.56	18	9 p. m.	29.24
	Frederick	29.61	2	7 a. m.	30.29	18	9 p. m.	28.90
	Leonardtown	29.52	2	7 a. m.	30.05	18	9 p. m.	29.00
Dist. of Columbia	Washington	29.87	2	7 a. m.	30.53	18	9 p. m.	29.18
Virginia	Point Pleasant	29.60	11	7 a. m.	*a* 30.00	18	7 a. m.	*b* 29.09
	Portsmouth	29.89	2	9 p. m.	30.56	29	2 p. m.	29.35
	Ruthven	29.52	2	9 p. m.	30.05	29	7 a. m.	28.97
North Carolina	Chapel Hill	29.47	2	2 p. m.	29.97	18	2 p. m.	28.92
	Murfreesborough	29.25	2	7 a. m.	29.78	29	2 p. m.	28.68
South Carolina	All Saints	29.90	2	2 p. m.	30.31	29	7 a. m.	29.47
	Charleston	30.02	2	9 p. m.	30.38	29	2 p. m.	29.51
	Columbia, [Barton]	29.73	2	2 p. m.	30.13	29	2 p. m.	29.28
	Columbia, [White]	28.77	2	2 p. m.	29.12	29	2 p. m.	28.37
	St John's (*c*)	29.98	2	2 p. m.	30.36	29	2 p. m.	29.57
Georgia	Athens	29.19	2	7 a. m.	29.56	29	7 a. m.	28.73
	Atlanta (*d*)	29.88	2	7 a. m.	*e* 30.20	29	7 a. m.	29.45
	Augusta	29.99	31	9 p. m.	30.24	3	2 p. m.	*e* 29.77
	Savannah	29.98	2	2 p. m.	30.29	29	2 p. m.	29.54
	Thomaston	28.94	31	9 p. m.	29.28	29	7 a. m.	28.49
	Thomson	29.44	2	2 p. m.	*e* 29.81	29	7 a. m.	*f* 28.98
Florida	Atsena	29.74	2	9 p. m.	29.92	28	9 p. m.	29.41
	Jacksonville	30.05	12	9 p. m.	30.27	29	7 a. m.	29.70
	St. Augustine	29.88	20	7 a. m.	30.11	28	7 a. m.	29.51
	Salt Ponds (*d*)	29.67	20	2 p. m.	29.87	29	7 a. m.	29.47
Alabama	Greensborough	29.57	16	7 a. m.	*g* 29.78	------	------	?
	Moulton	29.23	31	7 a. m.	29.56	28	2 p. m.	28.73
Mississippi	Columbus	29.71	16	7 a. m.	30.01	28	9 p. m	29.04
	Natchez	29.41	19	2 p. m.	*h* 29.70	28	2 p. m.	*i* 28.80
Texas	Austin, [Palm]	29.38	18	7 a. m.	29.78	28	2 p. m.	28.69
	New Braunfels	27.71	15	7 a. m.	*j* 27.90	28	2 p. m.	27.40
	Northern tier of counties	29.36	------	------	------	------	------	------
	Sisterdale	28.56	18	7 a. m.	28.95	28	2 p. m.	28.02
	Washington	29.54	18	7 a. m.	29.94	28	2 p. m.	28.95
	Webberville	29.48	15	7 a. m.	29.83	28	7 a. m.	29.12
Tennessee	Glenwood	29.39	16	7 a. m.	29.76	28	9 p. m.	28.65
	La Grange	29.11	15	2 p. m.	*g* 29.53	------	------	------
	Memphis	29.60	31	7 a. m.	30.06	28	2 p. m	28.98
Kentucky	Bardstown	29.32	4	9 p. m.	29.68	18	7 a. m	28.85
	Danville	28.88	2	2 p. m.	*e* 29.25	28	9 p. m.	28.30
	Louisville	29.33	1	9 p. m.	29.78	28	9 p. m.	28.61
	Paris	28.98	1	9 p. m.	29.43	28	9 p. m.	28.37
	Springdale	29.23	1	7 a. m.	*k* 29.65	28	9 p. m.	28.61
Ohio	Avon	28.87	1	9 p. m.	29.50	29	7 a. m.	28.19
	Bowling Green	29.03	1	9 p. m.	29.67	18	2 p. m.	28.38
	Cincinnati, [Harper]	29.37	1	7 a. m.	29.84	28	9 p. m.	28.67
	Cincinnati, [Phillips]	29.48	1	9 p. m.	30.02	28	9 p. m.	28.76
	Cleveland	28.85	1	9 p. m.	29.13	29	7 a. m.	28.17
	College Hill	28.49	2	7 a. m.	*l* 28.96	28	9 p. m.	27.95
	Hillsborough	28.65	1	9 p. m.	*m* 29.14	28	9 p. m.	28.01

a Same height at 2 and 9 p. m. on the 11th, and at 7 a. m. and 2 and 9 p. m. on the 12th and 28th.
b Same height at 2 and 9 p. m. on the 18th, and at 7 a. m. and 2 and 9 p. m. on the 19th.
c Aneroid. Incomplete.
d Not corrected for temperature.
e Same height at 9 p. m. on the 2d.
f Same height at 9 p. m. on the 29th.
g Same height at 9 p. m. on the 15th.
h Same height at 7 a. m., 2 p. m., and 9 p. m.
i Same height at 9 p. m. on the 28th.
j Same height at 7 a. m. and 9 p. m. on the 18th.
k Same height at 9 p. m. on the 1st.
l Same height at 2 and 9 p. m. on the 1st.
m Same height at 7 a. m. on the 2d.

No. 4.—BAROMETER, CORRECTED TO 32° F., MARCH, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Hudson	28.63	1	2 p. m.	29.24	29	7 a. m.	27.87
	Montville	28.51	1	7 a. m.	29.42	29	7 a. m.	27.74
	New Lisbon (*a*)	28.46	1	9 p. m.	29.01	18	2 p. m.	27.70
	Northwood	28.58	1	9 p. m.	29.11	29	7 a. m.	27.83
	Portsmouth	29.25	1	9 p. m.	29.60	18	2 p. m.	*b* 28.82
	Savannah	28.68	1	9 p. m.	29.29	29	7 a. m.	27.90
	Troy	29.76	2	7 a. m.	30.31	28	9 p. m.	29.11
	Urbana	28.70	2	7 a. m.	29.24	29	7 a. m.	28.03
	Westerville	28.69	2	7 a. m.	29.25	29	7 a. m.	28.00
Michigan	Battle Creek	28.87	1	9 p. m.	29.50	28	9 p. m.	28.16
	Detroit	28.69	13	2 p. m.	29.09	29	2 p. m.	27.97
	Lansing	28.82	1	8 p. m.	29.44	29	7 a. m.	28.07
	Marquette	29.00	1	2 p. m.	29.85	3	9 p. m.	28.45
	New Buffalo	29.07	1	7 a. m.	29.67	28	9 p. m.	28.38
	Ottawa Point	29.15	2	9 a. m.	29.90	29	6 a. m.	28.06
	Thunder Bay Island	29.12	1	3 p. m.	29.87	29	9 a. m.	28.04
	Ypsilanti	28.85	2	7 a. m.	29.47	29	7 a. m.	28.09
Indiana	Aurora	29.31	1	6 a. m.	29.77	28	9 p. m.	28.66
	Cannelton	29.47	1	7 a. m.	29.90	28	9 p. m.	28.72
	New Harmony	29.47	1	7 a. m.	29.93	28	9 p. m.	28.65
Illinois	Batavia	28.95	1	7 a. m.	29.49	28	9 p. m.	28.41
	Manchester	28.61	1	7 a. m.	29.06	28	1 p. m.	28.04
	Marengo	28.70	1	2 p. m.	29.25	3	2 p. m.	28.23
	Upper Alton	29.27	1	7 a. m.	29.72	28	2 p. m.	28.56
	West Urbana	29.02	1	2 p. m.	29.47	3	2 p. m.	28.61
	Wheaton	28.96	1	7 a. m.	29.56	28	9 p. m.	28.32
Missouri	St. Louis	29.32	1	7 a. m.	29.75	28	2 p. m.	28.54
Wisconsin	Appleton	28.73	2	7 a. m.	29.48	3	2 p. m.	28.15
	Beloit	28.83	1	2 p. m.	29.51	28	2 p. m.	28.30
	Kenosha (*a*)	29.27	1	2 p. m.	29.90	28	9 p. m.	28.77
	Madison	28.72	1	2 p. m.	29.38	3	2 p. m.	28.23
	Manitowoc (*a*)	29.48	1	2 p. m.	30.16	3	2 p. m.	28.90
	Milwaukee, [Winkler]	29.05	1	2 p. m.	29.79	3	2 p. m.	28.54
	Waukesha	28.84	1	7 a. m.	29.53	3	9 p. m.	28.43
Iowa	Border Plains	28.51	1	7 a. m.	28.96	11	7 a. m.	28.03
	Dubuque	29.06	1	7 a. m.	29.06	3	7 a. m.	28.56
	Fairfield	27.06	1	7 a. m.	27.55	3	7 a. m.	26.71
	Muscatine	29.22	1	7 a. m.	29.79	3	7 a. m.	28.75
Minnesota	Beaver Bay	29.02	1	7 a. m.	29.66	3	9 p. m.	28.38
Kansas	Lawrence	28.85	29	7 a. m.	29.22	28	7 a. m.	28.34
California	Sacramento	30.15	29	7 a. m.	30.38	21	9 p. m.	29.77
	San Francisco	30.08	29	7 a. m.	30.35	21	9 p. m.	29.69
Mexico	Cordova	27.07	18	9 p. m.	27.44	28	3 p. m.	26.74
	Minatitlan (*c*)	29.84	18	9 p. m.	30.16	29	7 a. m.	29.64
	Mirador	22.83	18	8 p. m.	23.19	28	2 p. m.	22.52
	Vera Cruz	29.89	18	9 p. m.	30.32	28	3 p. m.	29.53
West Indies	Nassau, Bahamas (*d*)	30.15	2	-------	30.30	29	-------	29.98
	St. George's, Bermuda	29.96	------	-------	30.24	------	-------	29.52
Central America	Guatemala	25.23	19	10 a. m.	25.38	29	4 p. m.	25.12
South America	Catharina Sophia, Surinam	29.92	9	6 a. m.	29.97	20	6 p. m.	29.85
	Catharina Sophia, Surinam (*c*)	29.93	9	2 p. m.	30.01	21	6 a. m.	*e* 29.87
	Chanarcillo, Chili (*c*)	26.12	27	9 a. m.	*f* 26.18	15	6 a. m.	26.04
East'n Continent	Jerusalem, Palestine	27.67	16	7 a. m.	*g* 27.92	6	9 p. m.	27.33

a Not corrected for temperature.
b Same height at 9 p. m. on the 2cth.
c Aneroid.
d Mean obtained from daily maximum and minimum.
e Same height at 6 p. m. on the 18th and 20th.
f Same height at 9 p. m. on the 25th.
g Same height at 2 p. m. on the 16th.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Halifax	29.63	29	9½ a. m.	30.20	6	3½ p. m.	29.05
	Hamilton	29.51	9	9 a. m.	30.00	3	9 a. m.	29.02
	Montreal	29.67	10	7 a. m.	30.34	19	2 p. m.	28.57
	Moose Factory	29.92	------	------	------	------	------	------
	St. John's	29.20	24	7 a. m.	29.88	7	7 a. m.	28.23
	St. Martin	29.64	9	10 p. m.	30.16	24	6 a. m.	28.93
	Toronto	29.53	9	6 a. m.	30.02	14	2 p. m.	28.99
	Windsor	29.66	30	7 a. m.	30.16	6	2 p. m.	29.04
	Wolfville	29.64	29	7 a. m.	30.08	5	9 p. m.	29.13
Maine	Gardiner	29.76	10	7 a. m.	30.18	4	2 p. m.	29.16
	Perry	29.69	29	7 a. m.	30.16	4	2 p. m.	29.10
	Portland	29.74	28	2 p. m.	30.16	24	7 a. m.	*a* 29.15
	Steuben (*b*)	29.64	10	7 a. m.	30.18	4	9 p. m.	29.19
New Hampshire	Shelburne	29.59	29	7 a. m.	30.25	24	7 a. m.	28.99
Vermont	Burlington	29.47	10	7 a. m.	29.92	23	9 p. m.	28.71
	Lunenburg	28.56	30	7 a. m.	28.85	24	7 a. m.	*c* 27.95
	Norwich (*b*)	29.52	24	7 a. m.	29.90	23	7 a. m.	29.17
	St. Johnsbury	29.23	28	7 a. m.	29.62	23	9 p. m.	28.47
Massachusetts	Amherst	29.61	10	7 a. m.	30.01	23	9 p. m.	28.83
	Boston	29.78	10	7 a. m.	30.20	23	9 p. m.	29.16
	Bridgewater	29.59	28	9 p. m.	30.24	23	2 p. m.	28.96
	Cambridge	29.78	9	9 p. m.	30.19	23	9 p. m.	29.09
	Lawrence	29.70	10	7 a. m.	30.13	23	9 p. m.	29.03
	Nantucket	29.81	10	7 a. m.	30.19	23	2 p. m.	29.27
	New Bedford	29.74	10	7 a. m.	30.12	23	2 p. m.	*c* 29.13
	Westfield	29.74	10	7 a. m	30.12	24	7 a. m.	29.25
	Williamstown	29.10	28	7 a. m.	29.46	23	9 p. m.	28.33
	Worcester	29.26	10	7 a. m.	29.65	23	9 p. m.	28.54
Rhode Island	Providence	29.63	10	Sunrise.	30.03	23	10 p. m.	28.96
Connecticut	Middletown	29.61	10	7 a. m.	30.02	23	2 p. m.	28.89
	Pomfret	29.20	10	7 a. m.	29.59	23	9 p. m.	28.49
	Wallingford	29.73	10	7 a. m.	30.15	23	9 p. m.	28.94
New York	Bellport	29.18	23	2 p. m.	*c* 29.56	9	9 p. m.	29.51
	Buffalo	29.21	9	8 a. m.	29.74	11	8 a. m.	28.70
	Cazenovia	28.40	2	7 a. m.	28.91	23	2 p. m.	28.68
	Fishkill Landing	30.08	10	7 a. m	30.45	23	9 p. m.	29.25
	Flatbush	29.78	9	9 p. m.	30.19	23	2 p. m.	29.01
	Fort Edward	29.67	28	7 a. m.	30.45	24	7 a. m.	29.14
	New York city	29.85	9	9 p. m.	30.23	23	7 a. m.	29.21
	Oswego	29.09	1	7 a. m.	29.50	23	9 p. m.	28.39
	Penn Yan	29.32	10	2 p. m.	29.72	23	2 p. m.	28.63
	Rochester, [Dewey]	29.21	9	7 a. m.	29.68	23	2 p. m.	28.57
	Waterford	29.80	9	9 p. m.	30.23	23	9 p. m.	29.00
New Jersey	Lambertville	29.86	9	7 a. m.	30.57	23	2 p. m.	29.00
	Newark	29.81	10	7 a. m.	30.21	23	9 p. m.	29.10
Pennsylvania	Berwick (*d*)	29.15	9	7 a. m.	*e* 29.58	23	2 p. m.	28.25
	Cannonsburg	28.66	9	7 a. m.	29.14	23	7 a. m.	28.08
	Carlisle	29.00	9	7 a. m.	29.44	23	2 p. m.	28.16
	Chambersburg	29.19	9	7 a m	29.64	23	2 p. m.	28.14
	Easton	29.38	9	7 a. m.	*f* 29.78	3	2 p. m.	29.08
	Gettysburg	29.32	9	7 a. m.	29 74	23	2 p. m.	28.13
	Harrisburg, [Heisely]	29.61	9	7 a. m	30.05	23	2 p. m.	28.73
	Harrisburg, [Hickok]	29.76	2	9 p. m.	30.08	23	9 p. m.	29.01
	Lewisburg	29.38	9	7 a. m.	29.85	23	2 p. m.	28.54
	Linden	29.39	9	7 a. m	29.85	23	1 p. m.	28.56
	Morrisville	29.93	13	2 p. m.	30.35	23	2 p. m.	29.17
	Mount Joy (*d*)	29.51	1	7 a m.	29.90	23	2 p. m.	28.58
	Norristown	29.77	9	7 a. m.	30.20	23	2 p. m.	28.85

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 9 p. m. on the 13th.
b Incomplete.
c Same height at 9 p. m. on the 23d.
d Not corrected for temperature.
e Same height at 2 p. m. on the 9th.
f Same height at 7 a. m. on the 10th.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1859.

NAME OF STATION.		MEAN.	MAXIMUM. DATE. Day.	Hour.	HEIGHT.	MINIMUM. DATE. Day.	Hour.	HEIGHT.
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Philadelphia	29.70	1	7 a. m.	30.08	23	2 p. m.	28.89
	Pittsburg, [Marine Hospital]	28.79	9	2 p. m.	29.26	23	7 a. m.	28.26
	Somerset	27.48	9	7 a. m.	27.85	23	7 a. m.	26.84
Maryland	Annapolis	29.89	1	7 a. m.	30.34	23	9 p. m.	28.97
	Baltimore	29.79	1	7 a. m.	*a* 30.25	23	7 a. m.	28.86
	Frederick	29.59	9	7 a. m.	30.05	23	7 a. m.	28.63
	Leonardtown	29.54	1	2 p. m.	29.89	23	2 p. m.	28.84
Dist. of Columbia	Washington	29.85	9	7 a. m.	30.31	23	7 a. m.	28.89
Virginia	Portsmouth	29.87	1	7 a. m.	30.34	23	7 a. m.	29.18
	Ruthven	29.52	1	7 a. m.	29.92	23	7 a. m.	28.75
North Carolina	Chapel Hill	29.45	1	7 a. m.	*a* 29.83	22	9 p. m.	28.92
	Davidson College	28.92	1	7 a. m.	29.35	22	9 p. m.	28.39
	Murfreesborough	29.20	1	7 a. m.	*a* 29.67	23	7 a. m.	28.74
South Carolina	All Saints	29.91	1	2 p. m.	30.30	23	7 a. m.	29.65
	Charleston	30.03	1	7 a. m.	30.39	22	9 p. m.	29.67
	Columbia, [Barton]	29.73	1	6 a. m.	30.09	22	9 p. m.	29.34
	Columbia, [White]	28.78	1	9 p. m.	29.02	23	7 a. m.	28.60
	St. John's (*b*)	30.09	1	2 p. m.	30.52	22	9 p. m.	29.65
Georgia	Athens	29.22	1	7 a. m.	29.57	22	2 p. m.	28.82
	Atlanta (*c*)	29.97	9	2 p. m.	30.25	22	2 p. m.	*d* 29.70
	Augusta	30.18	20	9 p. m.	30.38	4	7 a. m.	*e* 29.22
	Savannah	30.00	1	7 a. m.	30.32	22	9 p. m.	29.62
	Thomaston	28.97	1	7 a. m.	29.24	22	2 p. m.	28.63
	Thomson	29.46	1	7 a. m.	29.81	3	9 p. m.	29.29
Florida	Atsena	29.78	9	9 p. m.	29.97	30	2 p. m.	29.54
	Jacksonville	30.07	6	7 a. m.	30.29	30	2 p. m.	29.84
	St. Augustine	29.92	9	9 p. m.	*f* 30.09	28	2 p. m.	29.67
	Salt Ponds (*c*)	29.70	9	2 p. m.	29.87	30	7 a. m.	29.55
Alabama	Greensborough (*g*)	29.59	?	?	?	22	7 a. m.	29.37
	Moulton	29.29	5	9 p. m.	29.56	22	7 a. m.	29.01
Mississippi	Columbus	29.78	5	9 p. m.	30.05	2	9 p. m.	29.52
	Natchez	29.48	23	2 p. m.	29.75	2	2 p. m.	29.25
	Paulding	29.68	6	7 a. m.	29.92	2	9 p. m.	29.47
Texas	Austin, [Palm]	29.45	22	7 a. m.	29.81	25	2 p. m.	29.12
	New Braunfels	27.73	22	9 p. m.	27.92	12	9 p. m.	*h* 27.55
	Northern tier of counties	29.32						
	Sisterdale	28.61	22	7 a. m.	28.96	12	7 a. m.	28.33
	Washington	29.61	23	7 a. m.	29.93	12	2 p. m.	29.34
	Webberville	29.64	23	7 a. m.	29.90	12	9 p. m.	29.30
Tennessee	Glenwood	29.46	6	7 a. m.	29.78	10	9 p. m.	29.12
	La Grange	29.20	5	9 p. m.	29.50	26	2 p. m.	28.96
	Memphis	29.67						
Kentucky	Bardstown	29.34	6	7 a. m.	29.72	10	9 p. m.	29.03
	Danville	28.90	1	7 a. m.	29.24	2	9 p. m.	28.65
	Louisville	29.40	1	7 a. m.	29.75	10	9 p. m.	29.02
	Paris	29.04	1	7 a. m.	29.40	11	7 a. m.	28.70
	Springdale	29.30	11	9 p. m.	*i* 29.64	15	2 p. m.	28.97
Ohio	Avon	28.92	9	7 a. m.	29.37	14	7 a. m.	28.42
	Bowling Green	29.10	9	7 a. m.	29.56	11	7 a. m.	28.59
	Cincinnati, [Harper]	29.44	9	7 a. m.	29.79	10	9 p. m.	29.03
	Cincinnati, [Phillips]	29.52	1	7 a. m.	29.89	10	9 p. m.	29.10
	Cleveland	28.90	9	7 a. m.	29.34	11	7 a. m.	28.46
	College Hill	28.54	9	7 a. m.	28.83	11	7 a. m.	28.20
	Hillsborough	28.67	4	2 p. m.	29.18	15	2 p. m.	28.28
	Hudson (*j*)	28.68	9	7 a. m.	29.13	23	7 a. m.	28.29
	Kelley's Island	29.16	9	7 a. m.	29.58	11	7 a. m.	*k* 28.68
	Montville	28.55	9	7 a. m.	28.99	11	7 a. m.	28.09

a Same height at 7 a. m. on the 9th.
b Aneroid; incomplete.
c Not corrected for temperature.
d Same height at 9 p. m. on the 3d and 22d.
e Same height at 9 p. m. on the 3d.
f Same height at 7 a. m., 2 p. m., and 9 p. m., on the 1st.
g For the last half of the month only.
h Same height at 9 p. m. on the 25th.
i Same height at 9 p. m. on the 20th.
j Incomplete.
k Same height at 7 a. m. on the 11th.

No. 5.—BAROMETER, CORRECTED TO 32° F., APRIL, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	New Lisbon (*a*)	28.46	9	7 a. m.	28.92	27	2 p. m.	28.00
	Northwood	28.66	9	7 a. m.	29.05	10	9 p. m.	28.24
	Portsmouth	29.28	9	7 a. m.	29.58	22	2 p. m.	29.03
	Savannah	28.73	9	7 a. m.	29.17	11	7 a. m.	28.26
	Troy	29.85	9	7 a. m.	30.18	11	7 a. m.	29.42
	Urbana	28.76	9	7 a. m.	29.16	14	7 a. m.	28.35
	Westerville	28.75	9	7 a. m.	29.18	14	7 a. m.	28.37
Michigan	Battle Creek	28.99	9	7 a. m.	29.36	11	7 a. m.	28.45
	Detroit	28.84	18	7 a. m.	29.30	14	2 p. m.	28.06
	Marquette	29.21	1	9 p. m.	29.60	14	7 a. m.	28.39
	New Buffalo	29.19	8	9 p. m.	29.55	10	9 p. m.	28.61
	Ottawa Point	29.26	9	6 a. m.	*b* 29.73	11	6 a. m.	28.55
	Thunder Bay Island	29.26	9	6 a. m.	29.78	14	9 a. m.	28.56
	Ypsilanti	28.92	9	7 a. m.	29.34	11	7 a. m.	28.38
Indiana	Aurora	29.39	9	6 a. m.	29.71	11	6 a. m.	29.05
	Cannelton	29.54	1	7 a. m.	29.87	10	9 p. m.	29.16
	New Harmony	29.58	5	2 p. m.	29.91	10	9 p. m.	29.13
	Richmond, [Moore]	28.85	9	7 a. m.	29.19	11	7 a. m.	28.43
Illinois	Batavia, [Mead]	29.06	8	9 p. m.	29.41	10	9 p. m.	28.51
	Manchester	28.72	5	1 p. m.	29.03	10	9 p. m.	28.20
	Marengo (*c*)	28.47	28	7 a. m.	28.67	20	2 p. m.	28.24
	Upper Alton	29.38	5	7 a. m.	*d* 29.69	10	9 p. m.	28.89
	West Urbana	29.09	7	2 p. m.	*e* 29.40	10	9 p. m.	28.51
	Wheaton	29.08	8	9 p. m.	29.45	10	9 p. m.	28.43
Missouri	St. Louis	29.42	5	2 p. m.	29.76	10	9 p. m.	28.96
Wisconsin	Appleton	28.85	8	9 p. m.	29.25	14	7 a. m.	28.18
	Beloit	28.91	8	9 p. m.	29.26	10	9 p. m.	28.34
	Kenosha (*a*)	29.44	8	2 p. m.	29.88	10	9 p. m.	28.84
	Madison	28.89	22	9 p. m.	29.46	10	9 p. m.	28.27
	Manitowoc (*a*)	29.60	8	9 p. m.	30.01	14	7 a. m.	28.95
	Milwaukee, [Winkler]	29.20	8	2 p. m.	29.55	10	9 p. m.	28.61
Iowa	Border Plains	28.68	8	7 a. m.	29.05	10	9 p. m.	28.08
	Dubuque	29.21	8	7 a. m.	29.59	10	9 p. m.	28.57
	Fairfield	27.17	8	7 a. m.	27.49	10	9 p. m.	26.62
	Muscatine	29.39	8	7 a. m.	29.69	10	9 p. m.	28.75
Minnesota	Beaver Bay	29.16	1	9 p. m.	29.49	14	2 p. m.	28.42
Kansas	Lawrence	29.00	5	7 a. m.	29.42	10	2 p. m.	28.47
Utah	Great Salt Lake City	25.72	------	--------	26.11	------	--------	25.29
California	Sacramento	30.00	2	7 a. m.	30.37	29	9 p. m.	29.70
	San Francisco (*f*)	29.96	14	7 a. m.	30 25	16	9 p. m.	29.73
Mexico	Cordova	27.07	17	9 a. m.	27.39	3	3 p. m.	26.89
	Minatitlan (*g*)	29.63	17	9 p. m.	29.86	12	2 p. m.	29.45
	Mirador	22.83	17	8 p. m.	*h* 23.11	12	2 p. m.	22.64
	Vera Cruz (*i*)	29.93	17	10 a. m.	30.26	3	4 p. m.	29.68
West Indies	Nassau, Bahamas	30.18	8	--------	30.29	28	--------	30.04
	St. George's, Bermuda	29.88	------	--------	30.19	------	--------	29.61
	Turk's Island, Bahamas	30.09	1	Noon.	80.20	30	Noon.	29.94
Central America	Guatemala	25.25	9	10 a. m.	25.38	15	4 p. m.	25.10
South America	Catharina Sophia, Surinam	29.90	9	6 a. m.	29.97	30	2 p. m.	29.84
	Catharina Sophia, Surinam (*g*)	29.84	9	2 p. m.	29.95	30	6 p. m.	29.72

a Not corrected for temperature.
b Same height at 9 a. m. on the 9th.
c For the last half of the month only.
d Same height at 2 p. m. on the 8th.
e Same height at 9 p. m. on the 7th.
f For the first 20 days of the month only.
g Aneroid.
h Same height at 8 p. m. on the 18th and 20th.
i Incomplete.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.69	14	9 a. m.	*a* 30.00	17	9 a. m.	29.30
	Moose Factory	29.87						
	St John's	29.73	13	7 a. m.	30.07	8	9 p. m.	29.10
	St. Martin	29.83	3	6 a m	30.19	28	6 a. m.	29.43
	Toronto	29.66	14	6 a. m.	29.97	27	2 p. m.	29.22
	Windsor	30.05	12	7 a. m.	30.43	9	7 a. m	29.63
	Wolfville	29.85	12	7 a. m.	30.35	8	9 p. m.	29.41
Maine	Gardiner	30.02	11	9 p. m.	30.35	8	9 p. m.	29.62
	Perry	30.03	12	7 a. m.	30.08	8	2 p. m.	29.60
	Portland	30.01	11	9 p. m.	30.31	8	9 p. m.	29.55
	Steuben	29.99	11	9 p. m.	30.33	8	9 p. m.	29.60
New Hampshire	Shelburne	29.87	5	9 p. m.	30.45?	6	7 a. m.	29.41
Vermont	Burlington	29.67	3	7 a. m.	29.99	27	9 p. m.	29.29
	Lunenburg	28.79	31	7 a. m.	*b* 29.08	19	Noon.	28.17
	Norwich (*c*)	29.64						
	St. Johnsbury	29.45	31	7 a. m.	29.78	8	2 p. m.	29.07
Massachusetts	Amherst	29.83	31	7 a. m.	30.14	9	2 p. m.	29.43
	Bridgewater (*c*)	29.84	4	7 a. m.	30.12	8	9 p. m.	29.44
	Cambridge	30.05	31	7 a. m.	30.35	8	2 p. m.	29.53
	Lawrence	29.91	31	7 a. m.	30.23	28	2 p. m.	29.49
	Nantucket	30.05	4	2 p. m.	30.35	8	7 a. m.	29.66
	New Bedford	29.99	4	7 a. m.	30.31	9	7 a. m.	29.62
	Westfield	29.95	4	7 a. m.	30.25	9	7 a. m.	*d* 29.58
	Williamstown	29.32	4	7 a. m.	29.65	22	7 a. m.	28.98
	Worcester	29.50	31	7 a. m.	29.79	9	7 a. m.	29.11
Rhode Island	Providence	29.88	4	Sunrise.	30.19	9	Sunrise.	*e* 29.49
Connecticut	Middletown	29.86	4	7 a. m.	30.23	9	2 p. m.	29.43
	Pomfret	29.46	31	7 a. m.	29.75	9	7 a. m.	29.08
	Wallingford	29.96	4	7 a. m.	30.28	9	2 p. m.	29.52
New York	Bellport	29.35	4	2 p. m.	29.63	9	2 p. m.	29.03
	Buffalo	29.37	14	8 a. m.	29.68	27	2 p. m.	29.01
	Cazenovia	28.64	3	7 a. m.	28.88	27	2 p. m.	28.32
	Fishkill Landing	30.31	4	9 p. m.	30.63	9	7 a. m.	29.97
	Flatbush	30.02	4	7 a m.	30.79	9	2 p. m.	29.59
	Fort Edward	29.87	1	7 a. m	30.53	8	2 p. m.	29.48
	New York city	30.04	4	2 p. m.	30.37	9	2 p. m.	29.71
	Oswego	29.26	31	2 p. m.	29.60	27	2 p. m.	28.92
	Penn Yan	29.54	3	2 p. m.	*f* 29.77	27	2 p. m.	29.20
	Rochester, [Dewey]	29.33	14	2 p. m.	29.60	18	2 p. m.	29.02
	Spencertown	29.36	5	7 a. m.	29.67	8	9 p. m.	28.89
	Waterford	30.00	4	7 a. m.	30.30	8	9 p. m.	29.63
New Jersey	Lambertville	30.05	4	9 p. m.	30.35	9	9 p. m.	29.73
	Moorestown (*c*)	29.88	4	9 p. m.	*g* 30.19	9	2 p. m.	29.46
	Newark	29.99	4	7 a. m.	30.33	9	6 p. m.	29.64
Pennsylvania	Berwick (*h*)	29.33	25	7 a. m.	*i* 29.58	9	2 p. m.	29.00
	Cannonsburg	28.82	15	2 p. m.	29.01	9	2 p. m.	*j* 28.52
	Carlisle	29.28	4	7 a. m.	29.82	22	2 p. m.	28.92
	Chambersburg	29.36	4	7 a. m.	29.68	9	2 p. m.	29.01
	Easton	29.61	4	7 a. m.	29.91	9	2 p. m.	29.16
	Gettysburg	29.50	4	7 a. m.	29.80	9	2 p. m.	29.11
	Harrisburg, [Heisely]	29.79	4	7 a. m.	30.11	9	9 p. m.	29.39
	Harrisburg, [Hickok]	29.78	5	9 p. m.	30.19	9	2 p. m	29.32
	Lewisburg	29.57	4	7 a. m.	29.90	9	2 p. m.	29.17
	Morrisville	30.12	4	7 a. m.	*k* 30.42	8	2 p. m.	*d* 29.75
	Mount Joy (*h*)	29.72	4	7 a. m.	30.20	9	2 p. m.	29.37
	Norristown	29.96	4	7 a. m.	30.29	9	2 p. m.	29.56
	Philadelphia	29.87	4	7 a. m.	30.14	9	2 p. m.	29.51

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 9 a. m. on the 15th.
b Same height at 7 a. m. on the 3d.
c Incomplete.
d Same height at 2 p. m. on the 9th.
e Same height at 1 p. m. on the 28th.
f Same height at sunrise on the 15th.
g Same height at 7 a. m. on the 6th.
h Not corrected for temperature.
i Same height at 7 a. m. on the 15th, 24th, and 31st; at 2 p. m. on the 15th and 24th; and at 9 p. m. on the 24th and 30th.
j Same height at 2 p. m. on the 16th.
k Same height at 9 p. m. on the 3d, and at 2 p. m. and 9 p. m. on the 4th

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM. DATE. Day.	MAXIMUM. DATE. Hour.	MAXIMUM. HEIGHT.	MINIMUM. DATE. Day.	MINIMUM. DATE. Hour.	MINIMUM. HEIGHT.
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Pittsburg, [Marine Hospital]	28.93	14	9 p. m.	29.21	9	2 p. m.	28.66
	Somerset	27.66	4	7 a. m.	27.87	10	2 p. m.	27.39
Maryland	Annapolis	30.05	4	7 a. m.	30.38	9	9 p. m.	29.68
	Baltimore (*a*)	29.97	4	7 a. m.	30.31	9	2 p. m.	29.59
	Chestertown	30.05	4	2 p. m.	30.38	27	2 p. m.	29.70
	Frederick	29.77	4	7 a. m.	30.10	4	9 p. m.	29.36
	Leonardtown	29.68	4	2 p. m.	29.94	10	7 a. m.	*b* 29.39
Dist. of Columbia	Washington	30.02	4	7 a. m.	30.36	9	9 p. m.	29.62
Virginia	Point Pleasant	29.61	2	7 a. m.	*c* 29.80	17	7 a. m.	*d* 29.30
	Portsmouth	30.02	4	2 p. m.	30.35	10	2 p. m.	29.57
	Ruthven	29.66	4	7 a. m.	*e* 29.91	10	2 p. m.	29.25
North Carolina	Chapel Hill	29.57	25	7 a. m.	29.83	10	2 p. m.	29.14
	Davidson College	29.01	4	7 a. m.	*e* 29.37	10	2 p. m.	28.63
	Murfreesborough (*f*)	29.21	26	7 a. m.	29.48	23	2 p. m.	28.98
South Carolina	All Saints	29.96	4	9 p. m.	*g* 30.17	10	7 a. m.	29.63
	Charleston	30.08	26	7 a. m.	*h* 30.28	10	2 p. m.	29.74
	Columbia, [Barton]	29.79	24	9 p. m.	*i* 30.00	10	2 p. m.	29.44
	Columbia, [White]	28.80	26	7 a. m.	29.10	10	2 p. m.	28.47
	St. John's (*j*)	30.17	3	2 p. m.	*k* 30.37	10	7 a. m.	29.85
Georgia	Athens	29.25	25	7 a. m.	29.53	10	2 p. m	28.92
	Atlanta (*l*)	30.08	13	2 p. m.	*m* 30.30	9	2 p. m.	29.65
	Augusta	30.17	27	9 p. m.	30.46	21	2 p. m.	29.87
	Savannah	30.03	25	7 a. m.	30.26	10	2 p. m.	29.69
	Thomaston	28.97	26	7 a. m.	29.21	9	2 p. m.	28.63
	Thomson	29.47	25	2 p. m.	29.72	10	2 p. m.	29.17
Florida	Atsena	29.77	30	9 p. m.	29.98	9	9 p. m.	29.47
	Jacksonville	30.06	25	9 p. m	30.25	10	2 p. m.	29.78
	St. Augustine	29.91	26	9 p. m.	30.08	10	2 p. m.	29.65
	Salt Ponds (*l*)	29.63	30	2 p. m.	29.79	1	7 a. m.	29.46
Alabama	Greensborough	29.58	12	7 a. m.	29.86	9	2 p. m.	29.14
	Moulton	29.32	13	7 a. m.	29.57	9	2 p. m.	28.91
Mississippi	Columbus	29.78	28	7 a. m.	30.03	9	2 p. m.	29.30
	Natchez	29.50	28	7 a. m.	*n* 29.75	9	7 a. m.	29.00
	Paulding	29.68	28	7 a. m.	29.88	9	7 a. m.	29.35
Texas	Austin	29.41	27	7 a. m.	29.79	18	2 p. m.	29.13
	New Braunfels	27.67	27	7 a. m.	27.85	20	2 p. m.	27.58
	Northern tier of counties	29.20	------	------	------	------	------	------
	Sisterdale	28.57	27	2 p. m.	28.87	18	2 p. m.	28.32
	Washington (*o*)	29.68	------	------	------	------	------	------
	Webberville	29.49	15	2 p. m.	29.77	29	9 p. m.	29.26
Tennessee	Glenwood	29.52	5	7 a. m.	29.73	9	2 p. m.	29.13
	La Grange	29.23	27	7 a. m.	*p* 29.46	9	2 p. m.	28.80
Kentucky	Bardstown	29.41	23	7 a. m.	29.63	18	2 p. m.	29.08
	Danville	29.03	5	2 p. m.	29.21	9	9 p. m.	28.72
	Louisville	29.49	18	3 p. m.	29.12	14	7 a. m.	*q* 29.82
	Millersburg	29.16	15	7 a. m.	29.40	9	9 p. m.	28.85
	Springdale	29.27	14	7 a. m.	*p* 29.59	18	2 p. m.	29.04
Ohio	Avon	29.03	14	7 a. m.	29.39	17	2 p. m.	*r* 28.73
	Bowling Green	29.22	14	7 a. m.	29.58	17	2 p. m.	28.87
	Cincinnati, [Harper]	29.53	15	7 a. m.	29.78	9	9 p. m.	*r* 29.22
	Cincinnati, [Phillips]	29.61	15	7 a. m.	29.97	18	2 p. m.	29.35
	Cleveland (*s*)	29.05	14	7 a. m.	29.30	17	7 a. m.	28.74
	College Hill	28.70	14	7 a. m.	*t* 28.90	10	7 a. m.	*u* 28.45

a Incomplete.
b Same height at 2 p. m. on the 10th.
c Same height at 7 a. m. on the 3d and 24th; at 2 p. m. on the 2d and 3d; and at 9 p. m. on the 2d, 5th, 6th, and 7th.
d Same height at 9 p. m. on the 19th.
e Same height at 7 a. m. on the 5th.
f For the last 20 days of the month only.
g Same height at 7 a. m. on the 5th and 25th, and at 9 p. m. on the 27th.
h Same height at 7 a. m. and 9 p. m. on the 25th.
i Same height at 9 p. m. on the 26th.
j Vacated.
k Same height at 2 p. m. on the 14th, 25th, and 30th.
l Not corrected for temperature.
m Same height at 2 p. m. on the 25th, 26th, and 30th, and at 9 p. m. on the 30th.
n Same height at 7 a. m., 2 p. m., and 9 p. m. on the 27th.
o For the last 19 days of the month only.
p Same height at 2 p. m. on the 14th.
q Same height at 7 a. m. on the 15th.
r Same height at 2 p. m. on the 18th.
s Observations omitted from the 17th to the 27th of the month.
t Same height at 2 p. m. and 9 p. m. on the 14th, and at 7 a. m. on the 15th.
u Same height at 7 a. m., 2 p. m. and 9 p. m. on the 17th and 18th.

No. 6.—BAROMETER, CORRECTED TO 32° F., MAY, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Freedom	28.41	14	7 a. m.	28.83	18	2 p. m.	28 00
	Hillsborough	28.76	15	7 a. m.	29.02	9	9 p. m.	28.34
	Hudson	28.83	15	7 a. m.	29.13	17	2 p. m.	28.48
	Kelley's Island	29.27	14	7 a. m.	29.59	17	2 p. m.	*a* 28.96
	Montville	28.68	14	7 a. m.	28.97	17	2 p. m.	28.36
	New Lisbon (*b*)	28.64	14	7 a. m.	28.90	21	2 p. m.	28.35
	Northwood (*c*)	28.80	------	--------	----------	------	--------	--------
	Portsmouth	29.42	16	7 a. m.	29.55	2	9 p. m.	*d* 29.14
	Savannah	28.87	14	2 p. m.	29.17	17	7 a. m.	28.57
	Troy	29.94	14	2 p. m.	30.22	17	9 p. m.	29.68
	Urbana	28.87	14	7 a. m.	29.17	17	2 p. m.	28.58
	Westerville	28.87	14	7 a. m.	29.14	17	2 p. m.	28.55
Michigan	Battle Creek	29.10	14	7 a. m.	29.45	18	2 p. m.	28.77
	Detroit	28.97	4	7 a. m.	*e* 29.25	24	2 p. m.	28.34
	Lake George (*f*)	29.28	------	--------	?	27	7 a. m.	28.86
	Marquette	29.32	17	2 p. m.	*g* 29.73	27	7 a. m.	28.82
	New Buffalo	29.29	14	7 a. m.	29.67	17	9 p. m.	28.93
	Ottawa Point	29.38	14	6 a. m.	*h* 29.85	27	3 p. m.	28.89
	Thunder Bay Island	29.38	14	6 a. m.	29.84	27	6 a. m.	28.87
	Ypsilanti	29.00	14	7 a. m.	29.39	16	9 p. m.	28.64
Indiana	Aurora	29.51	14	6 a. m.	29.80	9	9 p. m.	29.20
	Cannelton	29.62	14	7 a. m.	29.85	18	2 p. m.	29.27
	New Harmony	29.64	14	7 a. m.	29.90	18	2 p. m.	29.27
	Notre Dame	29.20	14	7 a. m.	29.60	17	9 p. m.	28.87
	Richmond	28.97	14	7 a. m.	29.27	18	2 p. m.	28.64
	Richmond, [Haines]	28.77	5	7 a. m.	29.09	1	7 a. m.	28.20
Illinois	Batavia	29.12	14	7 a. m.	29.50	16	9 p. m.	28.79
	Manchester	28.78	14	7 a. m.	29.11	18	7 a. m.	28.48
	Marengo	28.76	14	2 p. m.	29.32	8	2 p. m.	28.41
	Upper Alton	29.42	13	9 p. m.	29.75	18	7 a. m.	29.12
	West Urbana	29.19	14	2 p. m.	29.50	17	9 p. m.	28.89
	Wheaton	29.18	14	7 a. m.	29.60	17	9 p. m.	28.82
Missouri	St. Louis	29.48	14	7 a. m.	29.79	18	7 a. m.	29.16
Wisconsin	Appleton	28.94	14	7 a. m.	29.42	27	7 a. m.	28.45
	Beloit	29.09	14	7 a. m.	29.58	8	2 p. m.	28.75
	Delafield (*c*)	28.96	14	7 a. m.	29.40	27	7 a. m.	28.49
	Kenosha (*b*)	29.53	14	7 a. m.	29.93	27	7 a. m.	29.10
	Madison	29.05	13	9 p. m.	29.43	27	7 a. m.	28.70
	Manitowoc (*b*)	29.72	14	7 a. m.	30.15	27	7 a. m.	29.21
	Milwaukee, [Winkler]	29.26	14	7 a. m.	29.70	27	7 a. m.	28.75
Iowa	Border Plains	28.70	13	7 a. m.	29.21	24	7 a. m.	28.29
	Dubuque	29.28	14	9 p. m.	29.76	17	9 p. m.	28.87
	Fairfield	27.09	13	9 p. m.	27.45	17	2 p. m.	26.77
	Muscatine	29.39	15	7 a. m.	29.75	17	2 p. m.	*g* 29.00
Minnesota	Beaver Bay	29.19	13	9 p. m.	29.57	17	2 p. m.	28.52
Kansas	Lawrence	29.01	13	9 p. m.	29.41	17	2 p. m.	28.70
Utah	Great Salt Lake City	25.66	------	--------	26.11	------	--------	25.38
California	Sacramento	29.98	11	7 a. m.	30.17	19	7 a. m.	29.74
Mexico	Cordova	27.06	27	9 p. m.	27.28	8	9 a. m.	26.82
	Minatitlan	29.57	28	2 p. m.	29.75	8	2 p. m.	29.35
	Mirador	22.93	25	7 a. m.	*i* 23.03	8	7 a. m.	22.60
	Vera Cruz (*c*)	29.86	27	11 p. m.	30.14	8	9 a. m.	29.66
West Indies	Nassau, Bahamas (*j*)	30.06	30	--------	30.20	7	--------	*k* 29.96
	St. George's, Bermuda	29.87	------	--------	30.16	------	--------	29.60
	Turk's Island, Bahamas	29.97	26	6 a. m.	*l* 30.06	18	6 a. m.	29.88
Central America	Guatemala	25.23	30	10 p. m.	25.31	8	4 p. m.	25.31
South America	Catharina Sophia, Surinam	29.87	27	6 a. m.	29.97	18	2 p. m.	29.79
	Catharina Sophia, Surinam (*m*)	29.71	6	2 p. m.	29.81	31	6 p. m.	29.64

a Same height at 2 p. m. on the 18th.
b Not corrected for temperature.
c Incomplete.
d Same height at 9 p. m. on the 9th.
e Same height at 7 a. m. and 9 p. m. on the 6th.
f For the last half of the month only.
g Same height at 9 p. m. on the 17th.
h Same height at 9 a. m. on the 14th.
i Same height at 9 p. m. on the 27th.
j Mean obtained from daily maximum and minimum.
k Same height on the 11th and 17th.
l Same height at noon and 6 p. m. on the 27th.
m Aneroid.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
British America	Hamilton	29.68	11	9 a. m.	30.00	8	9 a. m.	*a* 29.37
	Moose Factory	29.80	------	------	------	------	------	------
	Rigolet	29.84	5	Sunrise.	30.15	16	Sunrise.	29.30
	St. John's	29.73	8	7 a. m.	*b* 30.00	29	2 p. m.	29.14
	St. Martin	29.78	11	10 p. m.	30.10	29	2 p. m.	29.43
	Toronto	29.62	11	6 a. m.	29.95	15	2 p. m.	29.26
	Windsor	29.95	13	7 a. m.	30.25	16	7 a. m.	29.62
	Wolfville (*c*)	29.66	13	7 a. m.	30.14	30	2 p. m.	29.20
Maine	Gardiner	29.91	12	7 a. m.	30.26	18	7 a. m.	29.43
	Perry	29.92	12	7 a. m.	30.24	18	7 a. m.	29.45
	Portland	29.92	12	7 a. m.	30.27	?	?	?
	Steuben	29.87	12	7 a. m.	30.22	18	7 a. m.	29.43
New Hampshire	Mount Washington	23.85	24	7 a. m.	24.07	18	7 a. m.	23.41
	Shelburne	29.78	12	7 a. m.	30.05	18	7 a. m.	29.39
Vermont	Burlington	29.60	12	7 a. m.	29.93	15	9 p. m.	29.19
	Lunenburg	28.68	12	7 a. m	*d* 28.96	9	Noon.	28.06
	Norwich	29.66	12	7 a. m.	29.86	16	7 a. m.	29.36
	St Johnsbury	29.38	12	7 a. m.	29.73	18	7 a. m.	29.02
Massachusetts	Amherst	29.77	12	7 a. m.	30.10	18	7 a. m.	29.43
	Bridgewater	29.75	12	7 a. m.	30.09	16	9 p. m.	29.39
	Cambridge	29.93	12	9 p. m.	30 26	21	2 p. m.	29.35
	Lawrence	29.82	12	7 a. m	30.16	18	7 a. m.	29.41
	Nantucket	30.00	12	7 a. m.	*e* 30.31	18	7 a. m.	29.67
	New Bedford	29.93	12	9 p. m.	30.24	17	9 p. m.	29.52
	Westfield	29.89	12	7 a. m.	30.22	18	7 a. m.	*f* 29.55
	Worcester	29.43	12	7 a. m	29.73	18	7 a. m.	29.06
Rhode Island	Providence	29.81	12	Sunrise.	30.16	18	Sunrise.	*g* 29.40
Connecticut	Middletown	29.82	12	7 a. m.	30.16	17	9 p. m.	29.43
	Pomfret	29.39	12	7 a. m.	29.71	17	9 p. m.	29.02
	Wallingford	29.89	12	7 a. m.	30.23	17	9 p. m.	29.50
New York	Bellport	29.31	12	7 a. m.	29.57	17	9 p. m.	28.91
	Buffalo	29.36	11	8 a. m.	29.70	15	2 p. m.	29.04
	Cazenovia	28.60	12	7 a. m.	28.85	21	7 a. m.	28.30
	Fishkill Landing	30.27	12	2 p. m.	*h* 30.52	18	7 a. m.	*i* 29.90
	Flatbush	29.97	12	7 a. m.	30.24	17	9 p. m.	29.50
	New York city	29.99	12	2 p. m.	30.28	17	9 p. m.	29.59
	Oswego	29.28	11	2 p. m.	29.59	15	2 p. m.	28.97
	Penn Yan	29.51	12	Sunrise.	29.75	21	Sunrise.	29.20
	Rochester, [Dewey]	29.29	26	2 p. m.	*j* 29.66	15	2 p. m.	28.93
	Spencertown	29.30	12	7 a. m.	29.65	21	2 p. m.	28.98
	Waterford	29.92	12	7 a. m.	30.29	21	2 p. m.	29.56
New Jersey	Lambertville	30.01	7	7 a. m.	*k* 30.26	17	9 p. m.	29.65
	Newark	29.94	12	7 a. m.	30.28	21	6 p. m.	29.52
Pennsylvania	Berwick (*l*)	29.34	11	7 a. m.	*m* 29.58	17	9 p. m.	*n* 29.00
	Cannonsburg	28.83	11	7 a. m.	29.09	21	2 p. m.	28.55
	Carlisle	29.17	7	7 a. m.	29.41	21	9 p. m.	28.81
	Chambersburg	29.36	12	7 a. m.	29.62	21	2 p. m.	29.04
	Easton	29.62	12	7 a. m.	30.01	8	2 p. m.	*o* 29.33
	Gettysburg	29.49	12	7 a. m.	29.76	21	9 p. m.	29.15
	Harrisburg, [Heisely]	29.77	12	7 a. m.	30.05	21	9 p. m.	29.43
	Harrisburg, [Hickok]	29.60	12	7 a. m.	30.02	21	7 a. m.	29.40
	Lewisburg	29.56	11	7 a. m.	29.85	21	2 p. m.	29.21
	Morrisville	30.09	12	7 a. m.	30.40	17	9 p. m.	29.72
	Mount Joy (*l*)	29.71	7	7 a. m.	*k* 29.94	17	9 p. m.	*p* 29.38

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 9 p. m. on the 20th.
b Same height at 9 p. m. on the 13th.
c Incomplete.
d Same height at noon on the 12th and 27th, and at 7 p. m. on the 25th.
e Same height at 9 p. m. on the 12th.
f Same height at 9 p. m. on the 17th.
g Same height at 10 p. m. on the 17th.
h Same height at 2 p. m. on the 7th.
i Same height at 2 p. m. on the 21st.
j Same height at 9 p. m. on the 26th.
k Same height at 7 a. m. on the 12th.
l Not corrected for temperature.
m Same height at 2 p. m. and 9 p. m. on the 11th.
n Same height at 7 a. m., 2 p. m., and 9 p. m. on the 21st, and at 9 p. m. on the 20th.
o Same height at 9 p. m. on the 8th.
p Same height at 7 a. m. and 2 p. m. on the 21st.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Norristown	29.91	6	7 a. m.	30.18	21	2 p. m.	29.53
	Philadelphia	29.86	7	7 a. m.	30.15	21	2 p. m.	29.52
	Pittsburg, [Marine Hospital]	28.97	4	9 p. m.	29.26	21	2 p. m.	28.67
	Somerset	27.69	5	7 a. m.	27.85	17	2 p. m.	27.43
Maryland	Annapolis	30.03	12	7 a. m.	30.32	21	2 p. m.	*a* 29.71
	Baltimore (*b*)	30.01	12	7 a. m.	30.26	?	?	?
	Chestertown	30.03	12	7 a. m.	30.31	17	2 p. m.	*c* 29.70
	Frederick	29.75	12	7 a. m.	30.04	21	2 p. m.	29.41
	Leonardtown	29.68	12	7 a. m.	*d* 29.89	17	2 p. m.	29.38
Dist. of Columbia	Washington	30.01	12	7 a. m.	30.31	21	2 p. m.	29.68
Virginia	Point Pleasant	29.45	5	7 a. m.	*e* 29.80	18	7 a. m.	*f* 29.00
	Portsmouth	29.63	7	7 a. m.	30.31	17	2 p. m.	29.65
North Carolina	Chapel Hill (*g*)	29.68	12	7 a. m.	29.85	?	?	?
	Davidson College	29.04	7	7 a. m.	29.27	17	2 p. m.	28.69
	Murfreesborough	29.16	6	7 a. m.	29.53	21	2 p. m.	28.79
South Carolina	All Saints	30.02	7	2 p. m.	30.23	21	2 p. m.	29.69
	Charleston	30.12	29	7 a. m.	30.30	22	2 p. m.	29.82
	Columbia, [Barton]	29.83	7	7 a. m.	30.04	17	9 p. m.	29.37
	Columbia, [White]	28.83	6	7 a. m.	*h* 29.01	21	2 p. m.	28.57
	St. John's (*i*)	30.21	28	2 p. m.	30.45	22	7 a. m.	*j* 29.88
Georgia	Athens	29.39	7	7 a. m.	29.54	21	2 p. m.	28.98
	Atlanta (*k*)	30.14	28	2 p. m.	30.40	22	7 a. m.	29.85
	Augusta	30.15	7	7 a. m.	30.43	23	7 a. m.	29.87
	Savannah	30.08	7	7 a. m.	30.27	21	2 p. m.	29.76
	Thomaston	29.01	8	7 a. m.	*l* 30.19	22	2 p. m.	28.72
Florida	Atsena	29.85	28	9 p. m.	30.01	22	7 a. m.	*m* 29.62
	Jacksonville	30.12	28	9 p. m.	30.28	22	2 p. m.	29.82
	Micanopy	29.96	?	?	?	22	2 p. m.	29.71
	St. Augustine	29.96	29	9 p. m.	30.08	21	2 p. m.	29.74
	Salt Ponds (*k*)	29.70	29	2 p. m.	29.84	22	7 a. m.	29.52
Alabama	Greensborough	29.64	29	7 a. m.	29.82	17	2 p. m.	29.40
Mississippi	Columbus	29.83	29	7 a. m	30.03	17	2 p. m.	29.60
	Natchez	29.60	29	7 a. m.	*n* 29.80	21	7 a. m.	*o* 29.40
	Paulding	29.73	29	7 a. m	29.91	17	2 p. m.	29.53
Texas	Austin, [Palm]	29.47	4	7 a. m.	29.71	18	2 p. m.	29.29
	New Braunfels	27.68	4	7 a. m.	27.80	25	9 p. m.	27.55
	Northern tier of counties	29.40	------	------	------	------	------	------
	Sisterdale	28.67	4	7 a. m.	28.88	12	2 p. m.	28.53
	Washington	29.65	4	7 a. m.	*p* 29.85	18	2 p. m.	*q* 29.47
	Webberville	29.43	4	7 a. m.	29.66	18	2 p. m.	29.26
Tennessee	Glenwood	29.57	4	7 a. m.	29.81	17	7 a. m.	29.32
	La Grange	29.27	4	7 a. m.	29.43	17	7 a. m.	*r* 29.03
	Memphis	29.76	4	7 a. m.	29.99	20	2 p. m.	29.56
Kentucky	Bardstown	29.45	4	9 p. m.	29.67	17	7 a. m.	29.18
	Danville	29.06	5	7 a. m.	29.25	17	7 a. m.	28.80
	Millersburg	29.20	5	7 a. m.	29.45	17	7 a. m.	*r* 28.96
	Paris	29.22	5	7 a. m.	*c* 29.49	17	7 a. m.	*c* 28.96
	Springdale	29.41	5	7 a. m.	29.69	17	7 a. m.	29.19
Ohio	Avon	29.07	11	7 a. m.	29.38	15	2 p. m.	28.82
	Bowling Green	29.25	4	7 a. m.	29.57	20	2 p. m.	28.98
	Cincinnati, [Harper]	29.56	5	7 a. m.	29.83	21	2 p. m.	*s* 29.36
	Cincinnati, [Phillips]	29.68	5	7 a. m.	29.99	16	9 p. m.	*t* 29.47

a Same height at 9 p. m. on the 27th.
b For the first 16 days of the month only.
c Same height at 2 p. m. on the 21st.
d Same height at 2 p. m. on the 12th.
e Same height at 9 p. m. on the 5th, and at 7 a. m., 2 p. m., and 9 p. m. on the 6th and 7th.
f Same height at 2 p. m. and 9 p. m. on the 13th, at 7 a. m., 2 p. m., and 9 p. m. on the 16th, and at 7 a. m. and 2 p. m. on the 17th.
g Observations interrupted from the 14th to the 27th.
h Same height at 7 a. m. on the 7th.
i Aneroid.
j Same height at 9 p. m. on the 21st.
k Not corrected for temperature.
l Same height at 9 p. m. on the 23th.
m Same height at 2 p. m. on the 22d and 23d.
n Same height at 2 p. m. and 9 p. m., on the 29th.
o Same height at 9 p. m on the 17th and 18th.
p Same height at 2 p. m. on the 29th.
q Same height at 9 p. m. on the 17th.
r Same height at 2 p. m. on the 17th.
s Same height at 9 p. m. on the 20th.
t Same height at 2 p. m. on the 17th, at 2 p. m. and 9 p. m. on the 19th, and at 7 a. m., 2 p. m., and 9 p. m. on the 20th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches*			*Inches.*
Ohio	Cleveland	29.03	11	7 a. m.	29.31	20	2 p. m.	*a* 28.78
	College Hill	28.73	4	9 p. m.	*b* 28.94	21	2 p. m.	*c* 28.51
	Freedom	28.28	4	9 p. m.	28.86	27	2 p. m.	27.86
	Hillsborough	28.80	5	7 a. m.	29.05	21	7 a. m.	28.50
	Hudson	28.85	11	7 a. m.	29.13	20	9 p. m	28.57
	Kelley's Island	29.28	4	2 p. m	29.56	20	2 p. m	29.04
	Montville	28.71	11	7 a. m.	29.01	13	7 a. m.	28.42
	New Lisbon (*d*)	28.66	11	7 a. m.	28.95	20	9 p. m.	28.40
	Northwood	28.82	4	9 p. m.	29.09	?	?	?
	Portsmouth	29.41	4	2 p. m.	29.64	?	?	?
	Savannah	28.89	11	7 a. m.	29.19	20	2 p. m.	*e* 28.64
	Troy	29.91	5	7 a. m.	30.37	20	2 p. m.	29.65
	Urbana	28.90	5	7 a. m.	29.18	20	9 p. m.	28.67
	Westerville	28.91	5	7 a. m.	*f* 29.19	21	2 p. m.	28.66
Michigan	Battle Creek	29.11	4	7 a. m.	29.45	20	2 p. m.	28.88
	Detroit	29.06	10	7 a. m.	*g* 29.25	?	?	?
	Fort Gratiot	29.36	4	3 p. m.	29.73	20	3 p. m.	29.02
	Marquette	29.28	3	2 p. m.	29.79	12	2 p. m.	28.84
	New Buffalo	29.33	4	7 a. m.	29.73	15	7 a. m.	29.09
	Ottawa Point	29.40	4	9 a. m.	29.90	15	3 p. m.	29.02
	St. Mary's	29.35	4	7.45 a m.	29.82	12	8.35 p.m.	28.94
	Thunder Bay Island	29.36	4	6 a. m.	*h* 29.82	15	6 a. m.	28.99
	Ypsilanti (*i*)	29.02	11	7 a. m.	29.34	20	2 p. m.	28.75
Indiana	Aurora	29.58	11	6 a. m.	*j* 29.78	17	2 p. m.	29.34
	Cannelton	29.66	4	7 a. m.	29.94	20	2 p. m.	29.41
	New Harmony	29.69	4	7 a. m.	30.02	17	7 a. m.	29.48
	Richmond, [Haines]	28.81	5	7 a. m.	29.10	27	12 m.	28.50
	Richmond, [Moore]	28.98	5	7 a. m.	29.27	20	2 p. m.	*a* 28.79
Illinois	Batavia, [Capon]	29.07	?	?	?	12	9 p. m.	28.74
	Batavia, [Mead]	29.15	4	7 a. m.	29.53	12	9 p. m.	28.94
	Manchester	28.83	4	7 a. m.	29.27	1	1 p. m.	*k* 28.64
	Marengo	29.00	4	7 a. m.	29.37	12	9 p. m.	28.80
	Upper Alton	29.50	4	7 a. m.	29.90	18	9 p. m.	29.29
	West Urbana	29.24	4	2 p. m.	29.58	20	9 p. m.	29.06
	Wheaton	29.23	4	7 a. m.	29.67	1	2 p. m.	28.98
Missouri	St. Louis	29.54	4	7 a. m.	29.96	18	9 p. m.	29.35
Wisconsin	Appleton	28.98	4	9 p. m.	29.45	2	2 p. m.	28.59
	Beloit	29.20	4	7 a. m.	29.64	7	2 p. m.	28.91
	Delafield	28.96	4	7 a. m.	29.44	?	?	?
	Kenosha (*d*)	29.57	4	7 a. m.	29.97	12	9 p. m.	29.34
	Madison	29.04	28	7 a. m.	29.56	12	2 p. m.	28.73
	Manitowoc	29.73	4	7 a. m.	30.21	7	9 p. m.	29.46
	Milwaukee, [Larkin]	29.18	?	?	?	15	7 a. m.	28.94
	Milwaukee, [Winkler]	29.30	4	7 a. m.	29.74	7	9 p. m.	29.02
Iowa	Border Plains	28.74	3	2 p. m.	29.40	14	7 a. m.	28.00
	Dubuque	29.34	4	7 a. m.	29.86	27	7 a. m.	29.03
	Fairfield	27.12	4	7 a. m.	27.55	26	9 p. m.	26.88
	Muscatine	29.43	4	7 a. m.	29.84	12	9 p. m.	*l* 29.15
Minnesota	Beaver Bay	29.16	3	9 p m.	29.74	12	2 p m.	28.63
Kansas	Lawrence	29.10	4	7 a. m.	*l* 29.51	14	2 p. m.	28.85
Utah	Great Salt Lake City	25.71	------	------	26.07	------	------	25.42
California	Sacramento	29.84	4	7 a. m.	30.21	25	9 p. m.	29.60
Mexico	Cordova	27.10	5	9 a. m.	27.31	26	3 p. m.	26.88
	Mirador	22.87	?	?	*m* 23.03	26	2 p m.	22.68
	Vera Cruz (*i*)	29.85	2	10 p. m.	30.12	25	3 p. m.	29.73

a Same height at 9 p. m. on the 20th.
b Same height at 7 a. m. and 2 p. m. on the 5th.
c Same height at 9 p. m. on the 21st.
d Not corrected for temperature.
e Same height at 2 p. m. on the 21st.
f Same height at 9 p. m. on the 11th.
g Same height at 7 a. m. on the 11th.
h Same height at 9 a. m. on the 4th.
i Incomplete.
j Same height at 2 p. m. on the 4th.
k Same height at 9 p. m. on the 12th.
l Same height at 9 p. m. on the 3d.
m From 2d to 5th.

No. 7.—BAROMETER, CORRECTED TO 32° F., JUNE, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
West Indies	Nassau, Bahamas	30.17	28	.....	30.25	20	.....	30.09
	St. George's, Bermuda	30.09	.....	.....	30.26	.....	.....	29.88
	Turk's Island, Bahamas	30.06	28	Noon.	*a* 30.14	5	6 a. m.	*b* 29.97
Central America	Guatemala	25.23	30	10 a. m.	25.32	22	4 p. m.	25.10
South America	Catharina Sophia, Surinam	29.90	6	6 a. m.	29.99	21	2 p. m.	29.83
	Catharina Sophia, Surinam (*c*)	29.66	28	2 p. m.	*d* 29.86	21	6 a. m.	*e* 29.55

a Same height at 6 p. m. on the 28th, and at 6 a. m., noon, and 6 p. m. on the 29th.
b Same height at noon and 6 p. m. on the 5th, and at 6 a. m., noon, and 6 p. m. on the 6th.
c Aneroid.
d Same height at 2 p. m. on the 29th.
e Same height at 6 p. m. on the 21st.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.72	5	9 a. m.	30.12	2	9 a. m.	29.35
	Montreal	29.92	5	7 a. m.	30.41	2	2 p. m.	29.35
	Moose Factory	29.85						
	St. John's	29.56	6	2 p. m.	30.25	22	7 a. m.	*a* 28.93
	St. Martin	29.81	5	10 p. m.	30.29	22	2 p. m.	29.33
	Toronto	29.65	5	9½ a. m.	30.14	2	2 p. m.	29.16
	Windsor	29.94	5	9 p. m.	30.36	23	2 p. m	29.49
Maine	Gardiner	29.89	5	2 p. m.	30.33	22	9 p. m	29.43
	Perry	29.88	5	7 a. m.	30.36	20	2 p. m.	29.40
	Portland	29.87	5	2 p. m.	30.39	22	9 p. m.	29.44
	Steuben	29.86	5	2 p. m.	30.32	20	2 p. m.	29.38
New Hampshire	Mount Washington	23.90	5	2 p. m.	24.21	27	7 a. m.	23.45
	Shelburne	29.78	5	7 a. m.	30.17	20	2 p. m.	29.40
Vermont	Burlington	29.61	5	7 a. m.	30.07	22	2 p. m.	29.17
	Lunenburg	28.81	6	7 a. m.	*b* 29.21	27	7 a. m.	28.27
	Norwich (*c*)	29 63						
	St. Johnsbury	29.38	5	7 a. m.	29.81	22	2 p. m.	28.97
Massachusetts	Amherst	29.75	5	7 a. m.	30.16	20	2 p. m.	29.26
	Cambridge	29.92	5	9 p. m.	30.34	20	2 p. m.	*d* 29.51
	Lawrence	29.79	5	7 a. m.	30.24	20	2 p. m	29.37
	Nantucket	29.97	5	2 p. m.	30.32	20	7 a. m.	29.59
	New Bedford	29.91	5	9 p. m.	30.27	20	2 p. m.	29.50
	Westfield	29.88	5	9 p. m.	30.26	20	2 p. m.	29.51
	Williamstown	29.28	5	7 a. m.	29.70	22	9 p. m.	28.90
	Worcester	29.41	5	9 p m.	29.78	20	2 p. m.	28.99
Rhode Island	Providence	29.80	5	6 a. m	30.18	20	2 p. m.	29.36
Connecticut	Middletown	29.83	30	9 p. m.	30.28	22	9 p. m.	29.43
	Pomfret	29.39	5	7 a. m	29.77	20	2 p. m.	29.01
	Wallingford	29.88	5	7 a. m	30.27	20	2 p. m.	29.50
New York	Bellport	29.29	5	2 p. m.	29.56	20	2 p. m.	28.98
	Buffalo	29.36	5	8 a. m	29.83	2	2 p. m.	28.99
	Cazenovia	28.62	5	7 a. m.	29.01	22	2 p. m	28.22
	Fishkill Landing	30.27	5	7 a. m	*b* 30.60	23	2 p. m.	29.93
	Flatbush	29.94	5	7 a. m.	30.28	20	2 p. m.	29.61
	New York city	29.98	5	2 p. m.	30.36	20	7 a. m.	29.62
	Oswego	29.30	5	7 a. m	29.68	2	2 p. m.	28.88
	Penn Yan	29.53	5	Sunrise.	*e* 29.90	22	2 p. m	29.15
	Rochester, [Dewey]	29.32	5	7 a. m.	29.75	19	2 p. m.	29.01
	Spencertown	29.31	5	2 p. m.	29.75	22	9 p. m.	28.94
	Waterford	29.93	5	7 a. m	30.33	22	9 p. m	29.56
New Jersey	Lambertville	30.00	5	9 p. m.	30.34	22	9 p. m.	29.72
	Newark	29.96	5	7 a. m	30 30	20	9 p. m.	29.63
Pennsylvania	Berwick (*f*)	29.33	5	7 a. m.	*e* 29.75	22	9 p. m.	*a* 29.00
	Cannonsburg	28.84	5	2 p. m.	29.18	22	9 p. m.	28.53
	Carlisle	29.15	5	2 p. m.	29.53	22	9 p. m.	*g* 28.84
	Chambersburg	29.37	5	7 a. m	29.73	22	2 p. m.	29.04
	Easton	29.68	5	7 a. m.	30.07	20	2 p. m.	29.35
	Gettysburg	29.47	5	7 a. m.	29.84	22	9 p. m.	29.13
	Harrisburg, [Heisely]	29.75	5	7 a. m.	*h* 30.13	22	9 p. m.	29.43
	Harrisburg, [Hickok]	29.70	6	7 a. m.	30.10	20	2 p. m.	29.38
	Lewisburg	29.55	5	7 a. m.	29.97	22	2 p. m.	29.22
	Morrisville	30.02	5	2 p. m.	30.45	20	2 p. m.	29.62
	Mount Joy (*f*)	29.70	5	2 p. m.	*i* 30.20	22	9 p. m.	29.39
	Norristown	29.90	5	7 a. m.	30.30	22	2 p. m.	29.51
	Philadelphia	29.85	5	7 a. m.	30.21	22	9 p. m.	29 55
	Pittsburg, [Marine Hospital]	28.96	6	7 a. m.	29.32	20	7 a m.	*a* 28.65

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 2 p. m. on the 22d
b Same height at 2 and 9 p. m. on the 5th.
c Incomplete.
d Same height at 9 p. m. on the 22d.
e Same height at 2 p. m on the 5th
f Not corrected for temperature.
g Same height at 2 p. m. on the 3d.
h Same height at 2 p. m. on the 25th.
i Same height at 9 p. m. on the 5th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Somerset	27.71	5	7 a. m.	27.97	22	9 p. m.	27.46
Maryland	Annapolis	30.00	5	2 p. m.	30.36	22	9 p. m.	29.68
	Chestertown	30.00	5	7 a. m.	*a* 30.35	22	9 p. m.	29.68
	Frederick	29.73	5	7 a. m.	30.12	22	9 p. m.	29.40
	Leonardtown	29.68	5	2 p. m.	*b* 29.94	20	7 a. m.	*c* 29.45
Dist. of Columbia	Washington	29.98	5	7 a. m.	30.39	22	9 p. m.	29.64
Virginia	Portsmouth	29.99	6	7 a. m.	30.31	19	9 p. m.	29.67
North Carolina	Chapel Hill	29.56	6	2 p. m.	29.89	19	9 p. m.	29.32
	Murfreesborough (*d*)	29.06			?	19	9 p. m.	28.76
South Carolina	All Saints	29.96	6	7 a. m.	30.23	20	2 p. m.	28.72
	Charleston	30.06	6	2 p. m.	30.32	19	9 p. m.	29.86
	Columbia, [Barton]	29.80	6	5 a. m.	30.10	19	9 p. m.	29.58
	Columbia, [White]	28.74	6	7 a. m.	*e* 29.01	19	7 a. m.	28.55
	St. John's (*f*)	30.17	6	2 p. m.	30.41	20	7 a. m.	29.96
Georgia	Athens	29.28	6	7 a. m.	29.61	20	2 p. m.	29.08
	Atlanta (*g*)	30.10	6	7 a. m.	*h* 30.30	15	9 p. m.	29.90
	Augusta	30.15	6	9 p. m.	30.36	10	7 a. m.	*i* 29.98
	Savannah	30.03	6	7 a. m.	30.32	20	2 p. m.	29.84
	Thomaston	29.94	12	7 a. m.	*j* 29.08	19	2 p. m.	*c* 28.82
Florida	Atsena	29.85	6	9 p. m.	30.00	9	7 a. m.	29.69
	Jacksonville	30.09	6	2 p. m.	30.29	19	2 p. m.	29.96
	Micanopy	29.97	6	9 p. m.	30.17	28	2 p. m.	29.84
	St. Augustine	29.92	6	9 p. m.	30.08	9	7 a. m.	29.82
	Salt Ponds (*g*)	29.73	22	2 p. m.	29.82	9	7 a. m.	*k* 29.64
Alabama	Greensborough	29.64	6	7 a. m.	29.88	20	2 p. m.	29.50
Mississippi	Columbus	29.82	6	7 a. m.	30.10	20	2 p. m.	29.65
	Natchez	29.62	7	7 a. m.	*l* 29.80	31	9 p. m.	29.49
	Paulding	29.73	7	7 a. m.	29.92	31	9 p. m.	29.60
Texas	Austin, [Palm]	29.49	7	7 a. m.	29.69	10	2 p. m.	29.29
	New Braunfels	27.65	4	7 a. m.	*m* 27.75	28	2 p. m.	*n* 27.53
	Northern tier of counties	29.57						
	Sisterdale	28.68	7	7 a. m.	28.86	10	2 p. m.	28.50
	Washington	29.66	6	2 p. m.	29.84	10	2 p. m.	29.36
	Webberville	29.46	7	7 a. m.	29.62	10	2 p. m.	29.29
Tennessee	Glenwood	29.55	6	7 a. m.	29.80	20	2 p. m.	29.37
	Memphis	29.76	6	7 a. m.	30.03	31	2 p. m.	29.61
Kentucky	Bardstown	29.42	6	7 a. m.	29.71	24	2 p. m.	29.22
	Danville	29.05	6	7 a. m.	*o* 29.29	20	7 a. m.	*p* 28.90
	Paris	29.21	7	7 a. m.	29.52	19	2 p. m.	28.98
	Springdale	29.40	6	7 a. m.	*a* 29.69	24	2 p. m.	29.22
Ohio	Avon	29.09	5	7 a. m.	29.46	2	9 p. m.	28.80
	Bowling Green	29.26	5	7 a. m.	29.62	22	2 p. m.	29.02
	Cincinnati, [Harper]	29.55	5	7 a. m.	*q* 29.85	20	2 p. m.	29.32
	Cincinnati, [Phillips]	29.67	6	7 a. m.	*r* 29.97	19	2 p. m.	29.44
	Cleveland	29.13	5	2 p. m.	29.44	2	2 p. m.	28.87
	College Hill	28.97	5	9 p. m.	29.00	22	9 p. m.	28.56
	Freedom	28.31	9	2 p. m.	28.88	14	2 p. m.	*s* 27.75
	Hillsborough	28.80	6	7 a. m.	29.13	19	9 p. m.	28.54
	Hudson (*d*)	28.80	5	7 a. m.	29.22	22	2 p. m.	28.57
	Kelley's Island	29.29	5	7 a. m.	29.63	2	2 p. m.	29.04
	Montville	28.72	5	7 a. m.	29.09	22	2 p. m.	28.43
	New Lisbon (*g*)	28.69	5	7 a. m.	*a* 29.00	22	2 p. m.	28.44
	Northwood	28.85	5	7 a. m.	29.13	2	2 p. m.	28.56

a Same height at 2 p. m. on the 5th.
b Same height at 9 p. m. on the 5th.
c Same height at 2 p. m. on the 20th.
d Incomplete.
e Same height at 7 a. m. on the 7th, and at 9 p. m. on the 6th and 7th.
f Aneroid.
g Not corrected for temperature.
h Same height at 2 p. m. on the 5th and 6th.
i Same height at 2 p. m. on the 4th.
j Same height at 7 a. m. on the 13th.
k Same height at 7 a. m. on the 31st.
l Same height at 2 and 9 p. m. on the 6th, and at 2 p. m. on the 7th.
m Same height at 9 p. m. on the 1st.
n Same height at 2 p. m. on the 30st.
o Same height at 2 p. m. on the 26th.
p Same height at 9 p. m. on the 22d and 24th.
q Same height at 7 a. m. on the 6th.
r Same height at 2 and 9 p. m. on the 6th, and at 7 a. m. and 2 p. m. on the 7th.
s Same height at 2 p. m. on the 15th.

No. 8.—BAROMETER, CORRECTED TO 32° F., JULY, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM. DATE. Day.	MAXIMUM. DATE. Hour.	MAXIMUM. HEIGHT.	MINIMUM. DATE. Day.	MINIMUM. DATE. Hour.	MINIMUM. HEIGHT.
		Inches.			*Inches.*			*Inches.*
Ohio	Portsmouth	29.29	5	7 a. m.	29.53	22	2 p. m.	*a* 29.12
	Savannah	28.92	5	7 a. m.	29.24	2	2 p. m.	28.65
	Troy	29.88	4	7 a. m.	30.13	2	7 a. m.	29.65
	Urbana	28.92	5	7 a. m.	29.24	2	2 p. m.	28.69
	Westerville	28.92	6	7 a. m.	29.24	22	2 p. m.	*a* 28.69
Michigan	Battle Creek	29.14	5	7 a. m.	29.48	2	7 a. m.	28.81
	Detroit (*b*)	29.47	------	------	------	------	------	------
	Fort Gratiot	29.38	5	9 a. m.	29.80	2	3 p. m.	28.98
	Lake George	29.40	4	7 a. m.	29.80	2	7 a. m.	28.80
	Marquette	29.36	4	7 a. m.	29.68	2	7 a. m.	28.78
	Monroe Piers	29.58	5	9 a. m.	29.86	2	6 p. m.	29.12
	New Buffalo	29.37	5	7 a. m.	29.69	2	7 a. m.	29.06
	Ottawa Point	29.41	4	9 a. m.	29.82	2	9 a. m.	28.91
	Thunder Bay Island	29.40	4	6 a. m.	*c* 29.81	2	9 a. m.	28.83
	Ypsilanti	29.04	5	7 a. m.	29.39	2	2 p. m.	28.74
Indiana	Aurora	29.59	6	6 a. m.	29.87	22	9 p. m.	29.40
	Cannelton	29.65	6	7 a. m.	29.95	24	2 p m	29.43
	New Harmony	29.69	6	7 a. m.	29.97	24	2 p m.	29.48
	Richmond, [Haines]	28.87	5	7 a. m.	*d* 29.10	22	7 a. m.	*e* 28.70
Illinois	Batavia, [Mead]	29.18	5	7 a. m.	29.47	2	7 a. m.	28.92
	Manchester	28.85	6	7 a. m.	29.13	1	9 p. m.	28.59
	Marengo	29.02	5	7 a. m.	29.28	2	7 a. m.	28.76
	Upper Alton	29.51	6	7 a. m.	29.80	24	7 a. m.	29.23
	West Urbana	29.26	5	2 p. m.	29.56	31	2 p. m	29.06
	Wheaton	29.25	5	7 a. m.	29.57	2	2 p. m.	29.00
Missouri	St. Louis	29.56	6	7 a. m.	29.86	24	7 a. m.	29.27
Wisconsin	Appleton	28.99	3	9 p. m.	29.37	1	9 p. m.	28.62
	Beloit	29.24	4	7 a. m.	29.54	2	7 a. m.	28.95
	Kenosha (*f*)	29.62	5	7 a. m.	29.89	2	7 a. m.	29.30
	Madison	29.06	5	2 p. m.	29.35	1	7 a. m.	28.37
	Manitowoc (*f*)	29.79	4	7 a. m.	30.11	1	9 p. m.	29.37
	Milwaukee, [Larkin]	29.21	4	7 a. m.	29.52	2	7 a. m.	28.87
	Milwaukee, [Winkler]	29.33	4	7 a. m.	*g* 29.65	2	7 a. m.	*h* 28.97
Iowa	Border Plains	28.81	6	7 a. m.	29.06	1	2 p m	28.44
	Dubuque	29.38	5	7 a. m.	*i* 29.68	1	9 p. m	29.05
	Fairfield	27.10	4	7 a. m.	27.33	1	7 a. m.	26.87
	Muscatine	29.52	6	7 a. m.	*g* 29.82	2	7 a. m.	*j* 29.18
Minnesota	Beaver Bay	29.22	3	9 p m.	29.53	1	9 p. m.	28.65
Kansas	Lawrence	29.13	6	7 a. m.	29.40	23	9 p. m.	28.86
Utah	Great Salt Lake City	25.09	?	?	25.85	?	?	?
California	Sacramento	29.92	26	7 a. m.	30.07	1	9 p. m.	29.75
Mexico	Cordova	27.17	25	9 p. m.	27.34	10	3 p. m.	27.07
	Mirador	22.99	25	8 p. m.	23.11	2	2 p. m.	*l* 22.87
	Vera Cruz (*k*)	30.03	25	7 a. m.	30.12	2	4 p. m.	29.91
West Indies	Nassau, Bahamas (*k*)	30.18	------	------	------	------	------	------
	St. George's, Bermuda	29.95	------	------	30.20	------	------	29.75
Central America	Guatemala	25.27	13	10 a. m.	25.35	28	4 p m.	25.18
South America	Catharina Sophia, Surinam	29.91	?	?	?	?	?	?
	Catharina Sophia, Surinam (*m*)	29.79	?	?	?	?	?	?

a Same height at 9 p. m. on the 19th.
b Incomplete.
c Same height at 9 a. m. on the 4th.
d Same height at 2 and 9 p. m. on the 5th, and 7 a. m., 2 and 9 p. m. on the 6th.
e Same height at 2 and 9 p. m. on the 22d, and 7 a. m., 2 and 9 p. m. on the 31st.
f Not corrected for temperature.
g Same height at 2 p. m. on the 4th.
h Same height at 9 p. m. on the 1st.
i Same height at 7 a. m. on the 5th.
j Same height at 2 p. m. on the 1st.
k Imperfect.
l Same height at 2 p. m. on the 31st.
m Aneroid.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.67	9	9 a. m	29.85	4	9 a. m.	29.39
	Montreal	29.89	9	7 a m	30.18	4	2 p. m.	29.59
	Moose Factory	29.77						
	St. John's	29.63	23	7 a m.	29.99	6	2 p. m.	*a* 29.28
	St. Martin	29.76	9	10 p m.	30.01	4	2 p. m.	29.48
	Toronto	29.60	9	8 a. m.	29.81	4	6 a m	29.31
	Windsor	29.91	9	2 p. m.	30.14	18	9 p. m.	29.53
	Wolfville	29.44	17	7 a. m.	29.82	16	2 p. m	29.05
Maine	Gardiner	29.87	23	7 a. m.	30.15	19	2 p. m.	29.60
	Perry	29.88	23	7 a. m.	30.17	7	9 p. m.	29.63
	Portland	29.88	23	7 a. m.	30.15	19	2 p. m.	29.58
	Steuben	29.90	24	7 a. m	30.19	19	2 p. m.	29.57
New Hampshire	Mount Washington	23.89	10	2 p. m.	24.17	29	7 a m.	23.53
	Shelburne	29.78	17	7 a. m.	*b* 30.00	4	9 p. m.	29.50
Vermont	Burlington	29.59	9	7 a. m.	29.85	31	2 p m.	29.34
	Lunenburg	28.80	17	7 a. m.	*c* 28.99	7	2 p m.	28.51
	St Johnsbury	29.38	9	7 a. m.	29.63	7	2 p. m.	29.09
Massachusetts	Amherst	29.73	23	7 a. m.	29.98	31	2 p. m.	29.48
	Cambridge	29.83	9	7 a. m.	30.15	6	7 a. m.	29.39
	Lawrence	29.77	23	9 p. m.	30.08	19	2 p. m.	29.53
	Nantucket	29.96	23	7 a. m.	*b* 30.18	25	2 p. m.	29.63
	New Bedford	29.90	10	7 a. m.	30.10	25	2 p. m.	29.60
	Westfield	29.87	22	9 p m.	30.10	31	2 p. m.	29.63
	Williamstown	29.26	9	7 a m.	29.50	31	2 p. m.	29.01
	Worcester	29.40	10	7 a. m.	29.61	5	2 p. m.	29.14
Rhode Island	Providence	29.80	10	2 p. m.	30.03	25	2 p. m.	29.51
Connecticut	Middletown	29.79	10	7 a. m.	30.01	25	2 p m	29.56
	Pomfret	29.37	23	7 a. m.	29.60	25	2 p. m.	29.13
	Wallingford	29.87	9	7 a. m.	*d* 30.08	19	2 p. m.	29.63
New York	Bellport	29.26	10	7 a. m.	29.44	25	2 p. m.	29.08
	Buffalo	29.33	9	8 a. m.	29.53	4	8 a. m.	29.06
	Cazenovia	28.59	?	?	?	4	2 p. m.	28.37
	Fishkill Landing	30.25	11	7 a. m.	30.17	5	9 p. m.	30.07
	Flatbush	29.92	10	7 a. m.	30.13	25	7 a. m.	29.65
	New York city	29.97	10	7 a. m.	30.17	25	7 a. m.	29.73
	Oswego	29.27	9	7 a. m	29.46	4	7 a. m	29.04
	Penn Yan	29.49	9	2 p. m.	*e* 29.69	4	Sunrise	*f* 29.29
	Rochester, [Dewey]	29.22	9	7 a m.	29.41	4	7 a. m.	29.00
	Spencertown	29.30	17	7 a. m.	29.54	25	2 p. m.	29.09
	Waterford	29.91	9	7 a m.	30.15	4	2 p. m.	29.66
New Jersey	Lambertville	29.99	9	9 p. m.	30.16	25	7 a. m.	29.82
	Newark	29.91	10	7 a. m.	30.14	1	7 a. m.	29.66
Pennsylvania	Berwick (*g*)	29.33	9	7 a. m	*h* 29.50	4	2 p. m	*i* 29.16
	Cannonsburg	28.81	21	7 a. m.	28.96	4	2 p m.	28.63
	Carlisle	29.14	?	?	?	?	?	?
	Chambersburg	29.35	10	7 a. m.	29.53	15	9 p. m.	29.16
	Easton	29.66	10	7 a m.	29.86	31	2 p m.	29.49
	Gettysburg	29.44	10	7 a m.	29.63	4	2 p. m.	29.26
	Harrisburg, [Heisely]	29.72	10	7 a. m.	29.92	4	2 p. m	29.56
	Harrisburg, [Hickok]	29.68	10	7 a. m.	29.89	4	2 p. m.	29.49
	Lewisburg	29.53	10	7 a m.	29.72	4	2 p. m.	29.33
	Morrisville	30.00	20	9 p m.	*j* 30.17	25	7 a. m.	29.80
	Mount Joy (*g*)	29.67	10	7 a m.	29.88	25	7 a. m	*k* 29.50
	Norristown	29.89	9	9 p. m.	30.10	25	7 a. m	29.68
	Philadelphia	29.83	9	9 p. m.	30.00	4	2 p. m	29.67
	Pittsburg, [Marine Hospital]	28.93	9	7 a. m	29.10	4	2 p. m.	28.75
	Somerset	27.67	9	7 a. m.	27.80	31	2 p. m.	27.56

a For changes in hours of observation, &c., see notes to table of thermometer for this month.

a Same height at 9 p. m. on the 6th.
b Same height at 9 p. m. on the 23d.
c Same height at 7 a. m. on the 21st.
d Same height at 9 p. m on the 23d, and at 7 a. m. and 9 p. m. on the 9th.
e Same height at sunset on the 9th.
f Same height at 2 p. m. on the 4th
g Not corrected for temperature.
h Same height at 7 a. m. and 2 p. m. on the 9th, and at 7 a. m., 2 p. m., and 9 p. m. on the 10th.
i Same height at 9 p. m. on the 4th.
j Same height at 7 a. m. and 2 p. m on the 10th, and 9 p. m. on the 9th.
k Same height at 2 p. m. on the 19th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Maryland	Annapolis	29.99	10	7 a. m.	30.19	14	2 p. m.	*a* 29.84
	Baltimore	29.90	10	7 a. m.	30.11	13	2 p. m.	*b* 29.74
	Frederick	29.71	10	7 a. m.	29.91	4	2 p. m.	29.51
	Leonardtown	29.67	10	2 p. m.	*c* 29.80	15	7 a m	*d* 29.55
Dist. of Columbia	Washington	29.95	10	7 a m	30.13	13	2 p. m.	29.79
Virginia	Portsmouth	29.97	10	7 a. m.	30.15	14	9 p. m.	*e* 29.82
North Carolina	Chapel Hill	29.54	10	7 a. m.	29.69	14	2 p. m.	29.34
	Murfreesborough	29.07	30	7 a. m.	30.22	5	2 p. m.	*f* 28.95
South Carolina	All Saints	29.93	3	2 p. m.	*g* 30.07	14	2 p. m.	29.72
	Charleston	30.04	9	9 p. m.	30.19	14	2 p. m.	29.84
	Columbia, [White]	28.65	4	9 p. m.	28.78	24	2 p. m.	28.51
	St. John's (*h*)	30.09	3	2 p. m	30.28	24	2 p. m.	29.86
Georgia	Athens (*i*)	29.25	?	?	?	14	2 p. m.	29.05
	Atlanta (*j*)	30.04	3	2 p. m.	*k* 30.20	24	7 a m.	*l* 29.90
	Augusta	30.03	1	7 a. m.	30.28	13	7 a m.	29.84
	Savannah	30.01	4	7 a. m.	30.15	14	2 p. m.	29.80
	Thomaston	28.91	4	7 a. m.	29.07	15	2 p. m.	28.75
Florida	Atsena	29.76	4	7 a m.	*m* 29.92	23	9 p. m.	29.60
	Jacksonville	30.03	5	7 a. m	30.19	14	2 p. m.	29.86
	Micanopy	29.90	3	9 p. m.	*n* 30.05	24	7 a. m.	29.71
	St. Augustine	29.87	5	9 p. m.	30.01	24	7 a. m.	29.66
	Salt Ponds (*j*)	29.66	4	2 p. m.	*o* 29.77	12	7 a m	29.55
Alabama	Greensborough	29.55	4	7 a m.	*p* 29.66	14	2 p. m.	29.44
Mississippi	Columbus	29.74	26	7 a. m	29.85	14	2 p. m.	29.60
	Natchez	29.52	26	2 p. m.	*q* 29.65	12	7 a. m.	*r* 29.40
	Paulding	29.63	25	7 a. m.	29.72	15	2 p m.	29.52
Texas	Austin, [Palm]	29.38	29	7 a. m.	29.55	12	2 p. m.	29.22
	New Braunfels (*j*)	27.48	19	7 a. m.	27.70	12	2 p. m.	*s* 27.48
	Sisterdale	28.58	29	7 a. m.	28.76	12	9 p. m.	28.42
	Washington	29.62	5	2 p. m	*t* 29.70	12	2 p. m.	29.37
	Webberville	29.38	29	7 a. m.	29.50	13	2 p. m.	29.27
Tennessee	Glenwood	29.50	30	7 a. m.	29.66	13	2 p. m.	29.39
	Memphis	29.69	30	7 a. m.	29.86	16	9 p. m.	29.54
Kentucky	Bardstown	29.36	30	7 a. m.	29.50	13	2 p m.	29.26
	Lexington	28.94	9	7 a. m.	29.09	13	3 p. m.	28.82
	Paris	29.15	9	7 a m.	29.46	14	2 p. m.	29.25
	Springdale	29.35	30	7 a. m.	29.52	12	9 p. m	29.24
Ohio	Avon	29.06	29	7 a. m.	29.22	3	2 p m.	28.76
	Bowling Green	29.20	29	7 a. m.	29.39	3	9 p. m.	29.00
	Cincinnati, [Harper]	29.18	6	7 a. m.	29.39	1	2 p. m.	*u* 29.05
	Cincinnati, [Phillips]	29.61	20	7 a. m.	29.78	4	7 a. m	*v* 29.46
	Cleveland	28.99	29	9 p. m.	29.15	4	7 a. m.	28.80
	College Hill	28.67	29	2 p. m.	*w* 28.81	4	9 p. m	28.56
	Elkrun	28.43	29	7 a. m.	28.60	4	7 a. m	28.28
	Hillsborough	28.75	29	7 a. m.	*w* 28.92	1	7 a. m	28.59
	Hudson	28.77	29	7 a m.	28.95	24	2 p. m.	28.63
	Kelley's Island	29.23	29	7 a. m	29.41	4	7 a. m.	29.06
	Montville	28.67	29	7 a. m.	28.85	12	2 p. m	28.45
	New Lisbon (*j*)	28.90	9	7 a m.	29.05	24	2 p. m.	28.78
	Northwood	28.78	29	7 a. m.	28.95	4	7 a. m	28.74

a Same height at 7 a. m. on the 25th, and 2 p. m. on the 19th.
b Same height at 2 p. m. on the 14th and 19th.
c Same height at 9 p. m. on the 10th.
d Same height at 7 a. m., 2 p. m., and 9 p m. on the 14th.
e Same height at 9 p. m. on the 24th.
f Same height at 2 p. m on the 13th and 14th.
g Same height at 9 p. on the 3d and 4th.
h Aneroid. Incomplete.
i Incomplete.
j Not corrected for temperature.
k Same height at 2 p. m. on the 4th.
l Same height at 9 p m. on the 14th and 23d.
m Same height at 9 p m. on the 3d.
n Same height at 9 p. m. on the 4th.
o Same height at 2 p. m. on the 5th.
p Same height at 7 a. m. on the 5th.
q Same height at 7 a. m. on the 4th and 5th.
r Same height at 7 a. m. on the 13th and 15th, and 2 p. m. on the 11th, 12th, 14th, and 15th, and 9 p. m. on the 11th, 12th, and 14th.
s Same height at 2 p m. on the 7th, and 9 p. m. on the 14th.
t Same height at 7 a. m. on the 30th.
u Same height at 9 p. m. on the 23d.
v Same height at 2 p m. on the 1st, 4th, 12th, and 22d, and at 9 p. m. on the 3d.
w Same height at 9 p m. on the 29th.

No. 9.—BAROMETER, CORRECTED TO 32° F., AUGUST, 1859.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
Ohio	Portsmouth	29.26	9	7 a. m.	29.37	4	2 p. m.	29.17
	Savannah	28.84	9	7 a. m.	29.01	4	2 p. m.	28.71
	Troy	29.80	30	7 a. m.	*a* 29.95	6	2 p. m.	29.57
	Urbana (*b*)	28.86	29	7 a. m.	29.02	?	?	?
	Westerville	28.86	29	7 a. m.	29.02	4	7 a m.	28.71
Michigan	Battle Creek	29.09	29	7 a. m.	29.29	3	9 p. m.	28.90
	Detroit	29.48	29	7 a. m	29.71	24	2 p. m.	29.29
	Fort Gratiot (*b*)	29.33	29	9 a m.	29.56	24	3 p. m.	29.16
	Lake George	29.31	28	7 a. m.	29.63	23	2 p. m.	29.10
	Marquette	29.30	28	7 a m.	*c* 29.60	22	2 p. m.	29.05
	Monroe Piers	29.39	29	6 a m.	29.64	4	6 a m.	29.20
	New Buffalo	29.29	19	2 p m.	29.68	3	9 p. m.	29.05
	Ontonagon	29.31	28	9 a. m.	29.69	22	9 a m.	29.03
	Ottawa Point	29.37	29	6 a. m.	*d* 29.61	24	3 p. m.	29.17
	Thunder Bay Island	29.35	29	6 a. m.	29.63	21	6 a. m	29.23
	Ypsilanti	28.98	29	7 a. m.	29.18	3	9 p. m.	28.80
Indiana	Aurora	29.53	9	6 a. m.	29.69	12	2 p. m.	29.43
	Cannelton	29.59	29	7 a. m.	29.76	23	2 p. m.	29.46
	New Harmony	29.62	30	7 a. m.	29.81	3	9 p. m.	29.48
	Richmond, [Haines]	28.80	16	9 p. m.	*e* 28.98	4	7 a. m.	28.60
Illinois	Batavia, [Mead]	29.11	29	7 a. m.	29.34	22	2 p. m.	28.97
	Manchester	28.79	29	7 a m.	*f* 28.99	3	9 p. m.	28.59
	Marengo	28.96	29	7 a. m.	29.20	22	2 p. m.	28.80
	Upper Alton	29.47	29	7 a. m.	29.69	3	9 p. m.	29.26
	West Urbana	29.20	23	9 p. m.	29.43	26	9 p. m.	28.97
	Wheaton	29.19	29	7 a. m.	29.44	3	2 p m	29.00
Missouri	St. Louis	29.49	29	7 a. m.	29.73	3	9 p. m.	29.29
Wisconsin	Appleton	28.94	29	7 a. m.	*g* 29.22	23	2 p. m.	*h* 28.70
	Beloit	29.16	29	7 a. m.	29.43	22	2 p. m.	28.99
	Kenosha (*i*)	29.52	29	7 a. m.	29.72	23	7 a. m	29.30
	Manitowoc (*i*)	79.74	29	7 a. m.	29.99	22	2 p. m.	29.51
	Milwaukee, [Larkin]	29.15	29	7 a m.	29.38	22	2 p. m	28.95
	Milwaukee, [Winkler]	29.27	29	7 a m	29.52	22	2 p. m	29.07
	Superior	29.30	28	6 a. m.	*j* 29.61	22	6 a m	28.99
Iowa	Border Plains	29.74	29	7 a m	29.00	7	2 p m.	28.49
	Dubuque	29.31	29	7 a. m.	29.64	22	2 p m.	29.14
	Fairfield	27.05	29	7 a. m.	27.30	3	7 a m.	*k* 26.90
	Muscatine	29.46	29	9 p. m.	29.78	3	7 a m.	*l* 29.30
Minnesota	Beaver Bay, [Clarke]	29.16	29	7 a m	29.43	22	2 p. m.	28.92
Utah	Great Salt Lake City	25.68	------	--------	25.87	-----	--------	25.48
California	Sacramento	29.89	30	7 a. m.	30.08	14	9 p m.	29.73
	San Francisco	29.84	30	7 a. m.	30.02	14	9 p. m.	29.70
Mexico	Cordova	27.11	29	9 a. m.	27.22	12	3 p. m.	26.93
	Mirador	22.91	29	7 a. m.	*m* 23.03	12	2 p. m	22.76
	Vera Cruz (*n*)	29.95	29	11 p. m.	30.09	11	5 p. m.	29.82
West Indies	Nassau, Bahamas (*n*)	30.12	------	--------	----------	------	--------	--------
	St. George's, Bermuda	30.03	------	--------	30.22	------	--------	29.74
Central America	Guatemala	25.25	29	10 p m.	25.33	11	4 p. m.	25.13
South America	Catharina Sophia, Surinam	29.89	23	6 a. m.	30.00	12	2 p. m.	29.83
	Catharina Sophia, Surinam (*o*)	29.71	23	6 a m.	29.87	12	6 p. m.	*p* 29.64

a Same height at 2 p. m. on the 9th.
b Incomplete.
c Same height at 2 p. m. on the 28th.
d Same height at 9 a. m. on the 29th.
e Same height at 7 a. m., 2 p. m., and 9 p. m. on the 17th.
f Same height at 1 p. m. on the 29th.
g Same height at 9 p. m. on the 27th.
h Same height at 9 p. m. on the 22d.
i Not corrected for temperature.
j Same height at 9 a. m., 3 p. m., and 6 p. m. on the 28th.
k Same height at 7 a. m. on the 4th.
l Same height at 2 p. m. and 9 p. m. on the 3d.
m Same height at — p. m. on the 29th.
n Imperfect.
o Aneroid.
p Same height at 6 a. m. on the 12th, 13th, 14th, and 17th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1859.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches			*Inches.*			*Inches.*
British America	Hamilton	29.70	6	9 a. m.	30.06	12	9 p. m.	29.16
	Montreal	29.97	30	7 a. m.	30.37	12	9 p. m.	29.25
	St. John's	29.59	22	9 p. m.	30.00	14	9 p. m.	29.14
	St. Martin	29.77	29	10 p. m.	30.20	12	2 p. m.	29.14
	Toronto	29.67	15	8 a. m.	30.05	12	4 p. m.	29.04
	Windsor	29.94	21	9 p. m.	30.32	14	7 a. m.	29.25
	Wolfville	29.60	22	7 a. m.	30.11	13	2 p. m.	28.99
Maine	Gardiner	29.91	30	7 a. m.	30.40	13	2 p. m.	29.29
	Perry	29.92	30	7 a. m.	30.36	?	?	?
	Portland	29.92	30	7 a. m.	30.37	13	2 p. m.	29.27
New Hampshire	Claremont	29.30	10	7 a. m.	*a* 29.65	13	2 p. m.	28.75
	Mount Washington (*b*)	23.72	------	------	------	------	------	------
	Shelburne	29.78	30	7 a. m.	30.19	13	2 p. m.	29.24
Vermont	Burlington	29.65	30	7 a. m.	30.01	13	7 a. m.	29.01
	Lunenburg	28.74	21	2 p. m.	29.43	13	9 p. m.	27.93
	St. Johnsbury	29.31	30	7 a. m.	29.79	14	7 a. m.	28.73
Massachusetts	Amherst	29.78	30	7 a. m.	30.19	13	2 p. m.	29.15
	Cambridge	30.00	30	7 a. m.	*c* 30.35	13	2 p. m.	29.30
	Lawrence	29.82	30	7 a. m.	30.31	13	2 p. m.	29.24
	Nantucket	29.99	30	7 a. m.	30.37	13	2 p. m.	29.47
	New Bedford	29.92	30	7 a. m.	30.34	13	2 p. m.	29.38
	Westfield	29.90	30	7 a. m.	30.28	13	2 p. m.	29.37
	Williamstown	29.28	30	7 a. m.	29.69	13	2 p. m.	28.74
	Worcester	29.45	30	7 a. m.	29.83	13	2 p. m.	28.87
Rhode Island	Providence	29.80	30	6 a. m.	30.21	13	2 p. m.	29.21
Connecticut	Middletown	29.84	30	7 a. m.	30.23	13	2 p. m.	29.28
	Pomfret	29.40	30	7 a. m.	29.80	13	2 p. m.	28.85
	Wallingford	29.91	30	7 a. m.	30.32	12	2 p. m.	29.41
New York	Bellport	29.30	30	7 a. m.	29.61	13	2 p. m.	28.85
	Buffalo	29.36	15	8 a. m.	29.74	12	9 p. m.	28.75
	Cazenovia	28.61	6	9 p. m.	*d* 28.93	13	7 a. m.	28.11
	Fishkill Landing	30.27	30	7 a. m.	*e* 30.60	13	2 p. m.	29.75
	Flatbush	29.96	30	7 a. m.	30.30	13	2 p. m.	29.40
	New York	30.02	30	2 p. m.	30.41	13	2 p. m.	29.54
	Oswego	29.28	15	2 p. m.	29.67	12	9 p. m.	28.77
	Penn Yan	29.52	9	Sunrise.	*f* 29.84	13	Sunrise.	*g* 29.03
	Rochester, [Dewey]	29.27	15	7 a. m.	29.61	13	7 a. m.	*h* 28.83
	Spencertown	29.35	30	7 a. m.	29.73	13	2 p. m.	28.78
	Waterford	29.95	30	7 a. m.	30.31	13	7 a. m.	*i* 29.41
New Jersey	Lambertville	30.01	30	7 a. m.	30.34	17	2 p. m.	29.54
	Newark	29.95	30	7 a. m.	30.34	13	7 a. m.	29.49
Pennsylvania	Berwick(*j*)	29.38	?	?	?	?	?	?
	Cannonsburg	28.82	9	7 a. m.	29.15	13	7 a. m.	28.48
	Carlisle	29.20	30	7 a. m.	29.51	13	2 p. m.	28.72
	Chambersburg	29.37	30	7 a. m.	29.69	13	2 p. m.	28.94
	Easton	29.68	30	7 a. m.	30.03	13	2 p. m.	29.18
	Gettysburg	29.50	8	7 a. m.	29.84	13	2 p. m.	29.04
	Harrisburg, [Heisely]	29.78	30	7 a. m.	30.10	12	9 p. m.	29.27
	Harrisburg, [Hickok]	29.73	30	7 a. m.	30.08	13	2 p. m.	29.25
	Lewisburg	29.57	8	7 a. m.	29.92	13	2 p. m.	29.09
	Morrisville	30.03	30	7 a. m.	30.35	13	2 p. m.	29.52
	Mount Joy (*k*)	29.68	8	7 a. m.	30.00	17	2 p. m.	29.23
	Nazareth	29.40	9	7 a. m.	29.75	13	2 p. m.	28.88
	Norristown	29.94	30	7 a. m.	30.33	17	2 p. m.	29.29
	Philadelphia	29.86	30	7 a. m.	30.18	17	2 p. m.	29.34
	Pittsburg, [Marine Hospital]	28.96	8	7 a. m.	29.25	12	9 p. m.	28.69

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 7 a. m. on the 16th and 30th.
b For the first 14 days only.
c Same height at 7 a. m. on the 16th, and 9 p. m. on the 29th.
d Same height at 7 a. m. on the 8th and 9th.
e Same height at 2 and 9 p. m. on the 9th, and at 7 a. m. on the 15th.
f Same height at 2 p. m. on the 6th and 14th.
g Same height at sunset on the 12th.
h Same height at 2 and 9 p. m. on the 12th.
i Same height at 2 p. m. on the 14th.
j For the last 20 days only. Not corrected for temperature.
k Not corrected for temperature.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Somerset	27.68	9	7 a. m.	27.93	13	2 p. m.	29.35
Maryland	Annapolis	30.02	9	7 a. m.	*a* 30.35	17	2 p. m.	29.46
	Frederick	29.75	9	7 a. m.	30.09	13	2 p. m.	29.29
	Leonardtown	29.67	9	2 p. m.	*b* 29.94	17	2 p. m.	29.14
Dist. of Columbia	Washington	29.99	9	7 a. m.	30.33	17	7 a. m.	*c* 29.50
Virginia	Portsmouth	30.01	9	2 p. m.	30.36	17	2 p. m.	29.48
North Carolina	Chapel Hill	29.56	9	7 a. m.	29.89	17	7 a. m.	29.23
	Murfreesborough	29.16	9	7 a. m.	29.46	17	7 a. m.	28.79
South Carolina	All Saints	29.96	9	7 a. m.	30.18	12	2 p. m.	29.68
	Charleston	30.05	9	2 p. m.	*b* 30.33	20	2 p. m.	29.78
	St. John's (*d*)	30.13	9	9 p. m.	*e* 30.37	20	2 p. m.	29.87
Georgia	Athens	29.28	9	7 a. m.	29.56	16	2 p. m.	28.93
	Atlanta (*f*)	30.05	8	2 p. m.	*g* 30.30	16	2 p. m.	29.70
	Augusta	30.07	10	9 p. m.	30.33	16	9 p. m.	*h* 29.88
	Savannah	30.02	9	7 a. m.	30.25	20	2 p. m.	29.75
	Thomaston	28.94	9	7 a. m.	*i* 29.15	20	2 p. m.	28.67
Florida	Atsena	29.80	9	9 p. m.	29.93	20	2 p. m.	29.55
	Jacksonville	30.08	7	7 a. m.	30.22	20	2 p. m.	29.78
	Micanopy	29.93	5	9 p. m.	*j* 30.11	20	2 p. m.	29.67
	St. Augustine	29.91	8	9 p. m.	30.06	20	9 p. m.	29.67
	Salt Ponds (*f*)	29.66	6	2 p. m.	29.78	20	7 a. m.	*h* 29.52
	Warrington	29.95	9	9 p. m.	30.16	15	9 p. m.	29.52
Mississippi	Columbus	29.82	6	7 a. m.	*k* 30.04	19	2 p. m.	29.49
	Natchez	29.60	5	9 p. m.	*l* 29.80	19	2 p. m.	29.35
	Paulding	29.70	6	7 a. m.	29.90	15	9 p. m.	29.42
Texas	Austin, [Palm]	29.51	6	7 a. m.	29.76	?	?	?
	New Braunfels (*f*)	27.67	6	7 a. m.	27.85	3	2 p. m.	27.50
	Sisterdale	28.66	6	7 a. m.	28.91	22	2 p. m.	28.48
	Washington	29.62	6	7 a. m.	29.87	15	2 p. m.	*m* 29.48
	Webberville	29.45	6	7 a. m.	*n* 29.70	15	9 p. m.	29.32
Tennessee	Glenwood	29.55	6	7 a. m.	29.81	19	2 p. m.	29.21
	Memphis	29.77	6	7 a. m.	30.04	19	2 p. m.	29.51
Kentucky	Bardstown	29.43	6	2 p. m.	29.64	19	2 p. m.	29.11
	Danville	29.05	6	2 p. m.	29.29	19	9 p. m.	28.73
	Lexington	29.00	6	7 a. m.	29.29	19	9 p. m.	28.67
	Paris	29.18	6	7 a. m.	29.48	20	7 a. m.	28.86
	Springdale	29.41	6	7 a. m.	29.42	19	9 p. m.	29.05
Ohio	Avon	29.07	6	7 a. m.	29.44	12	9 p. m.	28.69
	Bowling Green	29.25	6	7 a. m.	29.63	19	9 p. m.	28.81
	Cincinnati, [Harper]	29.20	6	7 a. m.	29.59	19	2 p. m.	28.89
	Cincinnati, [Phillips]	29.39	7	7 a. m.	*o* 29.69	20	2 p. m.	*p* 29.07
	Cleveland	29.02	6	7 a. m.	29.37	12	2 p. m.	28.66
	College Hill	28.76	6	9 a. m.	28.97	20	9 a. m.	*q* 28.40
	Elk Run	28.47	6	7 a. m.	*r* 28.82	13	7 a. m.	28.11
	Freedom	28.33	15	7 a. m.	28.84	12	2 p. m.	27.69
	Hillsborough	28.50	6	7 a. m.	29.14	20	2 p. m.	28.01
	Hudson	28.83	6	7 a. m.	29.16	13	7 a. m.	28.45
	Kelley's Island	29.27	6	7 a. m.	29.59	19	2 p. m.	*s* 28.94
	Montville	28.72	6	7 a. m.	29.07	12	2 p. m.	28.32
	New Lisbon (*f*)	28.91	6	7 a. m.	*r* 29.22	13	7 a. m.	28.60
	Northwood	28.83	6	7 a. m.	29.16	21	7 a. m.	28.49
	Portsmouth	29.29	6	7 a. m.	29.55	20	7 a. m.	*t* 29.04
	Savannah	28.88	6	7 a. m.	29.24	12	9 p. m.	28.53
	Troy	29.86	6	7 a. m.	30.17	19	7 a. m.	29.44

a Same height at 7 a. m. on the 30th.
b Same height at 9 p. m. on the 9th.
c Same height at 2 p. m. on the 17th.
d Aneroid.
e Same height at 2 p. m. on the 7th, 8th, and 10th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 9th and 10th.
h Same height at 7 a. m. on the 21st.
i Same height at 7 a. m. on the 10th.
j Same height at 9 p. m. on the 6th.
k Same height at 7 a. m. on the 9th.
l Same height at 7 a. m., 2 p. m., and 9 p. m. on the 6th, and at 7 a. m. and 2 p. m. on the 7th.
m Same height at 2 p. m. on the 16th.
n Same height at 9 p. m. on the 5th.
o Same height at 2 and 9 p. m. on the 6th, and at 2 p. m. on the 7th.
p Same height at 7 a. m., 2 p. m., and 9 p. m. on the 19th.
q Same height at 2 and 9 p. m. on the 19th and 20th.
r Same height at 7 a. m. on the 8th.
s Same height at 9 p. m. on the 12th.
t Same height at 7 a. m. on the 20th.

No. 10.—BAROMETER, CORRECTED TO 32° F., SEPTEMBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Urbana	28.91	6	7 a. m	29.24	20	7 a. m.	*a* 28.57
	Westerville	28.89	6	7 a. m.	29.22	20	7 a. m.	*b* 28.56
Michigan	Battle Creek	29.12	6	7 a. m.	29.49	19	7 a. m.	*c* 28.72
	Detroit	29.54	6	7 a. m.	29.90	12	2 p. m.	29.11
	Grand Haven	29.42	6	7 a. m.	29.82	12	9 p. m.	28.95
	Lake George	29.39	6	2 p. m.	29.76	12	2 p. m.	28.70
	Marquette	29.34	6	7 a. m	29.73	12	2 p. m.	28.76
	Monroe Piers	29.44	6	9 a. m.	29.86	12	6 p. m.	29.01
	New Buffalo	29.32	6	7 a. m.	29.72	19	7 a. m.	28.89
	Ontonagon	29.39	6	9 a. m.	29.75	12	9 a. m.	28.81
	Ottawa Point	29.41	6	9 a. m.	29.84	12	3 p. m.	28.79
	Thunder Bay Island	29.41	6	9 a. m.	29.84	12	3 p. m.	28.77
	Ypsilanti	29.03	6	7 a. m.	29.36	20	8½ p. m.	28.22
Indiana	Aurora	29.56	6	6 a. m.	29.87	19	9 p. m.	29.19
	Cannelton	29.64	6	7 a. m.	29.97	19	2 p. m.	29.30
	Michigan City	29.40	6	9 a. m.	29.78	26	6 p. m.	29.17
	New Harmony	29.66	6	7 a. m.	30.01	19	2 p. m.	29.31
Illinois	Batavia, [Mead]	29.15	6	7 a. m.	29.52	19	7 a. m.	28.72
	Manchester	28.85	6	7 a. m.	29.18	18	9 p. m.	28.51
	Marengo	29.01	6	2 p. m.	29.39	19	7 a. m.	28.57
	Upper Alton	29.51	7	7 a. m.	29.80	18	9 p. m.	29.17
	West Urbana	29.13	5	7 a. m.	*d* 29.50	19	2 p. m.	28.77
	Wheaton	29.22	6	7 a. m.	29.63	19	7 a. m	28.72
Missouri	St. Louis	29.54	6	7 a. m.	29.90	18	9 p. m.	29.21
Wisconsin	Appleton	28.97	6	9 p. m.	29.35	19	7 a. m.	28.54
	Beloit	29.20	6	7 a. m.	29.60	19	7 a. m.	28.70
	Kenosha (*e*)	29.54	6	7 a. m.	29.90	19	7 a. m.	29.07
	Manitowoc (*e*)	29.74	6	7 a. m.	30.15	12	2 p. m.	29.26
	Milwaukee, [Larkin]	29.17	6	7 a. m.	29.58	19	7 a. m.	28.67
	Milwaukee, [Winkler]	29.32	6	7 a. m.	29.71	19	7 a. m.	28.80
	Superior	29.31	6	6 a. m.	29.74	30	6 a. m.	28.75
Iowa	Border Plains	29.73	6	7 a. m	29.17	17	2 p. m.	28.40
	Dubuque	29.35	6	7 a. m.	29.77	19	7 a. m.	28.54
	Fairfield	27.14	5	7 a. m.	27.46	26	2 p. m.	26.89
	Muscatine	29.54	5	7 a. m.	29.93	19	7 a. m.	29.18
Minnesota	Beaver Bay	29.19	6	7 a. m.	29.61	30	7 a. m.	28.66
Utah	Great Salt Lake City	25.79						
California	Sacramento	29.93	30	7 a. m.	30.13	22	9 p. m.	29.72
	San Francisco	29.87	7	7 a. m.	30.03	22	9 p. m.	29.64
	Santa Clara	29.77	28	7 a. m.	29.95	23	2 p. m.	29.56
Mexico	Cordova	27.12	6	9 a. m.	27.30	14	3 p. m.	27.03
	Mirador	22.95	6	7 a. m.	23.11	16	2 p. m.	22.87
West Indies	St. George's, Bermuda	29.96	?	?	30.15	?	?	29.80
Central America	Guatemala	25.23	1	10 p. m.	25.31	12	4 p. m.	25.10
South America	Catharina Sophia, Surinam	29.87	1	6 a. m.	29.92	3	2 p. m.	29.81
	Catharina Sophia, Surinam (*f*)	29.64	30	6 p. m.	29.77	17	6 p. m.	29.54

a Same height at 2 and 9 p. m. on the 19th.
b Same height at 2 p. m. on the 19th.
c Same height at 9 p. m. on the 12th.
d Same height at 7 a. m on the 6th.
e Not corrected for temperature.
f Aneroid.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1859.*

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.66	16	9 a. m.	29.96	18	9 a. m.	29.28
	Montreal	29.86	16	7 a. m.	30.42	27	2 p. m.	29.39
	St. John's	29.39	6	7 a. m.	*a* 29.80	28	7 a. m.	28.83
	St. Martin	29.80	12	6 a. m.	30.16	18	2 p. m.	29.24
	Toronto	29.61	16	6 a. m.	29.96	18	6 a. m.	29.02
	Windsor	29.75	17	2 p. m.	30 23	27	9 p. m.	29.14
	Wolfville	29.53	17	7 a. m	30.22	2	2 p. m.	29.14
Maine	Gardiner	29.83	16	9 p. m	30.32	27	2 p. m.	29.26
	Perry	29.77	12	2 p m.	30.18	27	9 p. m.	29.15
	Portland	29.81	16	9 p. m.	30.31	27	2 p. m.	29.26
	Steuben	29.78	16	9 p. m	30.26	27	2 p m.	29.19
New Hampshire	Claremont	29.21	16	9 p m.	29.62	27	2 p. m.	28.75
	Shelburne (*b*)	29.64	?	?	?	?	?	?
Vermont	Burlington	29.54	12	7 a. m.	29.98	27	2 p. m.	29.09
	Lunenburg	29.13	16	9 p. m.	29.93	27	9 p. m.	28.72
	St. Johnsbury	29.28	16	9 p. m.	29.72	27	2 p. m	28.79
Massachusetts	Amherst	29.69	16	9 p. m.	30.15	27	2 p. m.	29.20
	Bridgewater	29.68	16	9 p m	30.14	27	7 a. m.	29.25
	Cambridge	29.87	16	9 p. m.	30.36	27	2 p. m.	29.35
	Lawrence	29.75	16	9 p. m.	30.21	27	2 p. m.	29.21
	Nantucket	29.91	1	7 a. m.	30.34	27	2 p m.	29.38
	New Bedford	29.85	16	9 p. m.	30.33	27	2 p. m.	29.33
	Westfield	29.83	16	9 p. m.	30.28	27	7 a. m.	29.41
	Williamstown	29.21	16	9 p. m.	29.64	27	7 a. m.	28.77
	Worcester	29.35	16	9 p. m.	29.81	27	2 p. m.	28.82
Rhode Island	Providence	29.74	16	10 p. m.	30.21	27	2 p. m.	29.23
Connecticut	Middletown	29.72	16	9 p. m.	30.17	27	2 p. m.	29.31
	Pomfret	29.31	16	9 p. m.	29.76	27	2 p. m.	28.79
	Wallingford	29.83	16	9 p. m.	30.29	27	2 p. m.	29.35
New York	Bellport	29.26	16	9 p. m.	29.61	27	7 a. m	28.88
	Buffalo	29.34	?	?	?	18	8 a m.	29.18
	Cazenovia	28.54	16	7 a. m.	28.90	27	7 a. m.	28.16
	Charlotte	29.69	16	6 a. m.	30.09	18	6 a. m.	29.22
	Flatbush	29.92	16	9 p. m.	30.30	27	2 p. m.	29.44
	New York city	29.98	16	2 p. m.	30.38	27	7 a. m.	29.52
	Oswego	29.33	16	2 p. m.	29.58	18	7 a m.	28.77
	Penn Yan	29.44	16	2 p m.	29.74	27	Sunrise	29.04
	Rochester, [Dewey]	29.28	16	7 a. m.	29.63	18	7 a. m.	28.89
	Sackett's Harbor	29.69	16	9 a. m.	30.13	27	3 p. m.	29.31
	Spencertown	29.26	16	7 a. m.	29.69	27	2 p. m.	28.80
	Waterford	29.90	16	7 a. m.	30.29	27	7 a. m.	29.47
New Jersey	Lambertville	29.98	16	9 p. m.	30.34	27	7 a m.	29.54
	Newark	29.92	17	7 a. m.	30.34	27	7 a. m.	29.53
Pennsylvania	Altoona (*c*)	29.47	23	7 a. m.	*d* 29.80	14	7 a. m.	*e* 29.10
	Berwick (*c*)	29.40	7	7 a. m.	*f* 29.67	26	7 a. m.	28.84
	Cannonsburg	28.85	16	7 a. m.	29.10	26	9 p. m.	28.39
	Carlisle (*g*)	29.23						
	Chambersburg	29.34	16	7 a. m.	29.69	25	9 p. m.	29.01
	Easton	29.62	16	7 a. m.	*h* 30.02	27	7 a. m.	29.23
	Gettysburg	29.47	16	9 p. m.	29.82	27	7 a. m.	29.06
	Harrisburg, [Heisely]	29.77	16	7 a. m.	30.11	27	7 a. m.	29.36
	Harrisburg, [Hickok]	29.71	16	7 a. m.	30.09	27	7 a. m.	29.33
	Lewisburg	29.55	16	7 a. m.	29.94	27	7 a. m	29.16
	Morrisville	30.04	16	2 p. m.	*i* 30.42	27	7 a. m.	29.57
	Mount Joy (*c*)	29.66	16	2 p. m.	30.00	27	7 a. m.	29.18
	Nazareth	29.36	16	7 a. m.	29.75	27	7 a. m.	28.95
	Norristown	29.90	17	7 a. m.	30.26	27	7 a. m.	29.45

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Same height at 7 a. m., 2 p. m., and 9 p. m. on the 5th.
b Incomplete.
c Not corrected for temperature.
d Same height at 7 a. m. and 2 p. m. on the 24th, and at 2 p. m. on 25th.
e Same height at 9 p. m. on the 17th.
f Same height at 2 p. m. and 9 p. m. on the 7th.
g For the first 21 days of the month only.
h Same height at 2 p. m. on the 16th.
i Same height at 9 p. m. on the 16th.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Philadelphia	29.84	16	9 p. m.	30.19	27	7 a. m.	29.47
	Pittsburg, [Marine Hospital]	28.98	16	7 a. m	29.28	26	9 p. m.	28.47
	Sewickleyville	29.08	24	7 a. m.	29.34	26	2 p. m.	*a* 28.56
	Somerset	27.65	16	7 a. m.	27.91	26	9 p. m.	27.19
Maryland	Annapolis	30.03	16	7 a. m.	*b* 30.38	26	9 p. m	29.60
	Chestertown	29.96	16	2 p. m.	30.38	27	7 a. m	29.59
	Frederick	29.75	16	7 a. m.	30.12	26	9 p. m.	29.29
Dist. of Columbia	Washington	30.01	16	2 p. m.	30.38	26	9 p m.	29.51
Virginia	Portsmouth	30.02	16	7 a. m.	30.41	26	2 p. m.	29.32
North Carolina	Chapel Hill	29.59	16	9 p. m.	29.91	26	9 p. m.	29.04
	Davidson College	29.21	16	9 p. m.	29.51	26	9 p m.	28.68
	Murfreesborough	29.27	16	7 a m.	29.61	26	9 p. m.	28.90
South Carolina	All Saints	29.99	16	2 p. m.	*c* 30.27	27	7 a. m.	29.54
	Charleston	30.09	16	9 p. m.	30.37	26	9 p. m.	29.62
	St. John's (*d*)	30.12	16	2 p. m.	30.43	27	7 a. m	29.66
Georgia	Atlanta (*e*)	30.01	11	2 p. m.	*f* 30.20	28	2 p. m.	29.63
	Augusta	30.27	31	7 a. m.	30.45	18	2 p. m.	30.07
	Savannah	30.05	30	7 a. m.	30.31	27	9 p. m.	29.60
	Thomaston	29.00	30	9 p. m.	29.25	27	7 a. m.	*g* 28.66
Florida	Atsena	29.73	17	7 a. m	*h* 29.89	28	2 p. m	29.22
	Jacksonville	30.06	30	7 a. m	30.31	27	2 p. m	29.69
	Micanopy	29.93	30	7 a. m.	30.14	28	2 p. m	28.53
	St. Augustine	29.91	17	7 a. m.	30.12?	27	9 p. m.	29.61
	Salt Ponds (*e*)	28.58	7	2 p. m.	*i* 29.71	28	7 a. m.	29.32
	Warrington	30.03	30	7 a. m.	30.33	27	2 p. m.	29.67
Alabama	Greensborough (*j*)	29.69	?	?	?	?	?	?
Mississippi	Columbus	29.90	30	7 a. m.	30.21	26	9 p. m.	29.53
	Hernando	29.61	29	9 p. m.	29.98	26	2 p. m.	*a* 29.26
	Natchez	29.64	30	7 a. m.	*k* 29.90	27	2 p. m.	*a* 29.35
Texas	Austin, [Palm]	29.55	30	7 a. m.	29.92	16	2 p. m.	29.20
	Bonham	29.49	30	7 a. m.	29.84	16	2 p. m.	29.05
	New Braunfels	27.79	30	7 a. m.	27.99	16	9 p. m.	27.63
	Sisterdale	28 73	30	7 a. m.	29.04	16	2 p. m.	28.42
	Washington	29.72	30	7 a. m.	30.05	16	2 p. m.	29.29
	Webberville	29.55	30	9 p. m.	29.82	26	2 p. m.	29.29
Tennessee	Glenwood	29.63	30	7 a. m.	29.92	26	2 p. m.	29.11
	Memphis	29.86	30	7 a. m.	30.21	26	2 p. m.	29.45
Kentucky	Bardstown	29.51	29	9 p. m.	29.78	26	2 p. m.	29.00
	Danville	29.10	30	7 a. m.	29.34	26	2 p. m.	28.61
	Lexington	29.05	30	7 a. m.	29.30	26	2 p. m.	28.49
	Paris	29.24	30	7 a. m.	29.54	26	2 p m.	28.67
	Springdale	29.46	30	7 a. m.	29.75	26	2 p. m.	28.88
Ohio	Avon	29.09	30	2 p. m.	29.35	26	2 p. m.	28.58
	Bowling Green	29.27	30	7 a. m	30.55	26	2 p. m.	28.75
	Brecksville	29.27	15	2 p. m.	29.67	4	7 a. m.	*l* 28.90
	Cincinnati, [Harper]	29.29	30	7 a. m.	29.58	26	2 p. m.	28.73
	Cincinnati, [Phillips]	29.46	30	7 a. m.	29.77	26	2 p. m.	28.88
	Cleveland	29.04	11	9 p. m.	*m* 29.25	26	2 p. m.	28.61
	College Hill	28 72	30	2 p. m.	*n* 28.93	26	9 p. m.	28.00
	Elk Run	28.51	16	7 a. m	28.80	26	9 p m	28.05
	Freedom	28.50	30	7 a. m.	*o* 28.86	3	2 p. m.	28.07
	Hillsborough	28.34	30	7 a. m.	28.59	26	2 p. m.	27.71
	Hudson	28.84	16	7 a. m.	29.10	26	2 p m.	28.34
	Kelley's Island	29.29	30	7 a. m.	29.54	26	2 p. m.	28.86
	Montville	28.73	31	7 a. m.	28.99	26	2 p. m.	28.21
	New Lisbon (*e*)	28.92	16	7 a. m.	29.16	26	2 p. m.	*a* 28.46

a Same height at 9 p. m. on the 26th.
b Same height at 2 p. m and 9 p. m. on the 16th.
c Same height at 9 p. m. on the 16th.
d Aneroid.
e Not corrected for temperature.
f Same height at 2 p. m. on the 12th.
g Same height at 2 p. m. on the 27th.
h Same height at 2 p. m. on the 17th.
i Same height at 2 p. m. on the 17th and 18th.
j Incomplete.
k Same height at 9 p. m. on the 28th.
l Same height at 9 p. m on the 3d.
m Same height at 7 a. m., 2 p. m., and 9 p. m. on the 30th.
n Same height at 9 p. m. on the 30th.
o Same height at 7 a. m. on the 31st.

No. 11.—BAROMETER, CORRECTED TO 32° F., OCTOBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Ohio	Portsmouth	29.36	30	7 a. m.	29.55	26	2 p. m.	28.87
	Ripley	29.46	30	7 a. m.	29.75	26	9 p. m.	28.99
	Savannah	28.90	30	7 a. m.	29.13	26	2 p. m.	28.36
	Troy	29.90	30	7 a. m.	30.18	26	2 p. m.	29.31
	Urbana	28.94	30	7 a. m.	29.21	26	2 p. m.	28.35
	Westerville	28.91	30	7 a. m.	29.16	26	2 p. m.	28.33
Michigan	Battle Creek	29.14	30	7 a. m.	29.45	17	9 p. m	28.66
	Detroit	29.57	5	7 a. m.	29.80	27	7 a. m.	29.36
	Grand Haven	29.44	30	2 p. m.	*a* 29.70	17	9 p. m.	28.91
	Marquette	29.31	30	7 a. m.	29.67	12	9 p. m.	28.58
	Monroe, [Bowlsby]	29.26	30	7 a. m.	29.59	?	?	?
	Monroe Piers	29.46	30	9 a. m	29.77	26	3 p. m.	28.95
	New Buffalo	29.35	30	7 a. m.	29.64	26	7 a. m.	28.86
	Ontonagon (*b*)	29.39	29	3 p. m.	29.77	3	3 p. m.	28.97
	Ottawa Point	29.40	30	9 a. m.	29.71	17	6 p. m.	29.02
	Thunder Bay Island	29.37	30	9 a. m.	29.69	18	6 a. m.	*c* 28.98
	Ypsilanti	29.02	30	7 a. m.	29.26	26	2 p. m.	28.58
Indiana	Aurora	29.59	30	6 a. m.	29.85	26	9 a. m.	29.10
	Cannelton	29.72	30	7 a. m.	30.05	26	2 p. m.	29.18
	Michigan City	29.46	20	3 p. m.	29.69	22	9 a. m.	29.08
	New Harmony	29.75	30	7 a. m.	*d* 30.03	27	2 p. m.	29.25
	Richmond. [Haines]	28.84	11	2 p. m.	*e* 29.10	26	2 p. m.	28.30
Illinois	Batavia, [Mead]	29.20	30	7 a. m.	*f* 29 48	17	2 p. m.	28.75
	Manchester	28.91	30	7 a. m.	29.22	17	1 p. m.	28.48
	Marengo	29.03	30	7 a. m.	29.31	17	9 p. m.	28.67
	West Urbana	29.17	30	7 a. m.	29.46	26	2 p. m.	28.73
	Wheaton	29.26	30	7 a. m.	29.59	17	2 p. m.	28.75
Missouri	St. Louis, [Engelman]	29.51	30	7 a. m.	29.99	17	2 p. m.	29.15
Wisconsin	Appleton	29.00	20	7 a. m.	29.40	17	2 p. m.	28.53
	Beloit	29.23	30	7 a. m.	29.56	17	7 a. m.	28.82
	Delafield	29.04	31	7 a. m.	29.43	17	2 p. m.	28.56
	Kenosha (*g*)	29.52	30	7 a. m.	29.81	16	2 p. m.	*h* 29.07
	Manitowoc (*g*)	29.75	30	7 a. m.	30.09	17	2 p. m.	29.28
	Milwaukee, [Larkin]	29.21	30	7 a. m.	29.50	26	7 a. m.	*i* 28.77
	Milwaukee, [Winkler]	29.31	30	7 a. m.	29.65	17	2 p m.	28.83
	Superior City	29.34	30	6 a. m.	29.76	16	3 p. m.	28.78
Iowa	Dubuque	29.39	30	7 a. m.	29.75	17	7 a m.	28.90
	Fairfield	27.26	30	7 a. m.	27.59	16	9 p. m.	26.77
	Muscatine	29.56	30	7 a. m.	29.87	17	7 a. m.	29.21
Minnesota	Beaver Bay	29.22	30	7 a. m.	29.62	16	2 p. m.	28.68
Utah	Great Salt Lake City	29.61	?	?	26.20	?	?	25.48
California	Sacramento	29.94	18	7 a. m.	30.18	15	9 p. m.	29.69
	San Francisco	29.86	18	7 a. m.	30.08	15	9 p. m.	29.67
	Santa Clara	29.78	18	7 a. m.	29.95	16	2 p. m.	*i* 29.63
Mexico	Cordova	27.14	30	9 a m.	27.37	21	3 p. m.	26.97
	Mirador	22.96	30	8 p. m.	23.15	22	2 p. m.	22.75
West Indies	St. George's, Bermuda	29.86	?	?	30.20	?	?	29.49
	Turk's Island, Bahamas	29.85	17	6 p. m.	29.97	27	6 a. m.	*j* 29.74
Central America	Guatemala	25.21	30	10 a. m.	25.32	26	4 p. m.	25.06
South America	Catharina Sophia, Surinam	29.85	28	6 a. m.	29.91	21	2 p. m.	29.79
	Catharina Sophia, Surinam (*k*)	29.79	3	6 p. m.	29.95	25	6 a. m.	*l* 29.69

a Same height at 9 p. m. on the 30th.
b No observations on the 19th, 30th, and 31st.
c Same height at 3 p. m. and 6 p. m. on the 13th.
d Same height at 9 p. m. on the 29th.
e Same height at 2 p. m. and 9 p. m. on the 11th.
f Same height at 2 p. m. on the 30th.
g Not corrected for temperature.
h Same height at 7 a. m. on the 26th.
i Same height at 2 p. m. on the 26th.
j Same height at 6 p. m. on the 26th.
k Aneroid.
l Same height at 6 p. m. on the 21th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1859.*

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.68	6	9 a. m.	39.20	19	9 a. m.	29.18
	Montreal	30.03	7	7 a. m.	30.60	13	2 p. m.	29.28
	St. John's	29.60	17	7 a. m.	30.26	11	9 p. m.	28.99
	St. Martin	29.94	7	6 a. m.	30.44	13	2 p. m.	29.18
	Toronto	29.67	6	10 a. m.	30.25	26	½ a. m.	28.88
	Windsor	30.04	16	9 p. m.	30.57	11	2 p. m.	29.28
	Wolfville	29.80	17	7 a. m.	30.41	13	9 p. m.	29.16
Maine	Gardiner	30.04	7	7 a. m.	30.52	13	9 p. m.	29.21
	Perry	30.03	7	2 p. m.	30.60	13	9 p. m.	29.07
	Portland	30.03	7	7 a. m.	30.56	13	9 p. m.	29.17
	Steuben	30.02	7	9 p. m.	30.62	13	9 p. m.	29.19
New Hampshire	Claremont	29.39	7	7 a. m.	29.89	13	2 p. m.	28.61
	Shelburne (*a*)	29.82	?	?	?	?	?	?
Vermont	Burlington	29.70	6	9 p. m	30.26	13	7 a. m.	28.94
	Lunenburg	28.81	15	2 p. m.	29.65	13	2 p. m.	28.08
	St. Johnsbury	29.44	7	7 a. m	30.01	13	2 p. m.	28.63
Massachusetts	Amherst	29.86	7	7 a. m.	30.41	19	2 p. m.	29.24
	Bridgewater	29.85	7	7 a. m.	30.36	13	9 p. m.	29.08
	Cambridge	30.06	7	7 a. m.	30.63	13	2 p. m.	*b* 29.37
	Lawrence	29.94	7	7 a. m.	30.43	13	9 p. m.	29.16
	Nantucket	29.95	7	7 a. m.	30.63	13	9 p. m.	29.47
	New Bedford	30.04	7	7 a. m.	*c* 30.54	13	9 p. m.	29.37
	Westfield	29.98	7	7 a. m.	30.53	13	2 p. m.	29.33
	Williamstown	29.37	6	9 p. m.	29.82	13	2 p. m.	28.65
	Worcester	29.51	7	7 a. m.	30.07	13	2 p. m.	28.84
Rhode Island	Providence	29.93	7	Sunrise.	30.43	13	2 p. m	29.26
Connecticut	Middletown	29.93	7	7 a. m.	30.43	13	2 p. m.	29.21
	Pomfret	29.48	7	7 a. m.	29.99	13	9 p. m.	28.83
	Wallingford	30.01	7	7 a. m.	30.52	13	2 p. m.	29.27
New York	Bellport	29.39	7	7 a. m.	29.76	13	2 p. m.	28.84
	Buffalo	29.38	6	8 a. m.	29.90	12	2 p. m.	28.71
	Cazenovia	28.61	6	9 p. m.	29.38	19	2 p. m.	27.97
	Charlotte	29.77	6	3 p. m.	30.33	19	3 p. m.	29.09
	Flatbush	30.04	17	7 a. m.	30.54	13	2 p. m	29.28
	New York city	30.11	7	2 p. m.	30.59	13	2 p. m.	29.35
	Oswego	29.36	6	2 p. m.	29.84	19	2 p. m.	28.69
	Penn Yan	29.51	6	Sunset.	29.98	19	2 p. m.	28.85
	Rochester, [Dewey]	29.34	6	7 a. m.	29.83	19	2 p. m.	28.66
	Sackett's Harbor	29.78	6	9 a m	30.37	13	6 a. m.	29.16
	Spencertown	29.41	7	7 a. m.	29.89	13	2 p. m.	28.70
	Waterford	30.03	7	7 a. m	30.53	13	2 p. m.	29.34
New Jersey	Lambertville	30.11	7	2 p. m.	*d* 30.52	13	2 p. m.	29.50
	Newark	30.08	7	7 a. m.	30.60	19	6 p. m.	29.48
Pennsylvania	Altoona (*e*)	29.62	6	9 p. m.	30.00	13	7 a. m.	*f* 29.00
	Berwick (*e*)	29.34	6	7 a. m.	*g* 29.84	13	7 a. m.	28.75
	Cannonsburg	28.88	24	7 a. m.	29.28	19	7 a. m.	28.30
	Chambersburg	29.45	7	7 a. m.	29.85	19	7 a. m.	28.80
	Easton	29.79	7	7 a. m.	30.22	19	2 p. m.	29.15
	Gettysburg	29.59	7	7 a. m.	30.01	19	7 a. m.	28.94
	Harrisburg, [Heisely]	29.88	7	7 a. m.	30.29	19	2 p. m.	29.25
	Harrisburg, [Hickok]	29.82	7	7 a. m.	30.28	13	7 a. m.	*h* 29.20
	Lewisburg	29.65	7	7 a. m.	30.10	19	2 p. m.	29.00
	Morrisville	30.18	6	9 p. m.	*i* 30.55	13	2 p. m.	29.55
	Mount Joy (*e*)	29.75	7	2 p. m.	30.16	13	7 a. m.	29.16
	Nazareth (*a*)	29.51	7	7 a. m.	29.95	10	9 p. m.	29.01
	Norristown	30.05	7	7 a. m.	30.48	19	2 p. m.	29.35
	Philadelphia	29.96	7	7 a. m.	30.34	13	2 p. m.	29.41

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Incomplete.
b Same height at 9 p. m. on the 13th.
c Same height at 2 p. m. on the 7th.
d Same height at 9 p. m. on the 7th.
e Not corrected for temperature.
f Same height at 2 p. m. on the 13th.
g Same height at 7 a. m. and 2 p. m. on the 7th.
h Same height at 7 a. m. and 2 p. m. on the 18th.
i Same height at 7 a. m., 2 p. m., and 9 p. m. on the 7th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Pennsylvania	Pittsburg, [Marine Hospital]	29.01	24	7 a. m.	29.38	19	7 a. m.	28.43
	Sewickleyville	29.13	3	7 a. m.	29.54	19	7 a. m.	28.53
	Somerset	27.70	7	7 a. m.	28.00	19	7 a. m.	27.21
Maryland	Annapolis	30.14	7	7 a. m.	30.52	19	7 a. m.	29.58
	Chestertown	30.12	7	7 a. m.	30.49	19	7 a. m.	29.54
	Frederick	29.86	7	7 a. m.	30.27	19	7 a. m.	29.21
Dist. of Columbia	Washington	30.12	7	7 a. m.	30.50	19	7 a. m.	29.52
Virginia	Portsmouth	30.15	7	9 p. m.	30.46	13	2 p. m.	29.52
North Carolina	Chapel Hill	29.68	4	7 a. m.	30.06	13	7 a. m.	29.18
	Davidson College	29.29	4	7 a. m.	29.67	18	9 p. m.	28.78
	Murfreesborough	29.37	?	?	?	13	7 a. m.	28.90
South Carolina	All Saints	30.08	3	2 p. m.	30.52	13	2 p. m.	29.67
	Charleston	30.18	4	7 a. m.	30.55	13	7 a. m.	29.80
	St. John's (*a*)	30.25	3	2 p. m.	30.66	13	2 p. m.	29.87
Georgia	Atlanta (*b*)	30.09	3	2 p. m.	30.40	18	2 p. m	29.63
	Augusta	30.31	3	9 p. m.	30.63	21	9 p. m.	30.05
	Thomaston	29.09	4	7 a. m.	29.39	11	2 p. m.	28.82
Florida	Atsena	29.88	3	9 p. m.	30.06	18	2 p. m.	29.55
	Jacksonville	30.20	3	7 a m.	30.48	18	2 p. m.	29.81
	Micanopy	30.06	15	7 a. m.	*c* 30.30	18	2 p. m.	29.74
	St. Augustine	30.02	3	2 p. m.	30.27	18	2 p. m.	29.71
	Salt Ponds (*b*)	29.71	25	2 p. m.	29.90	13	2 p. m.	29.50
	Warrington	30.11	14	7 a. m.	30.41	18	7 a. m.	29.75
Alabama	Greensborough (*d*)	29.74	?	?	?	18	7 a. m.	29.25
Mississippi	Columbus	29.92	14	7 a. m.	30.26	18	7 a m.	29.42
	Hernando	29.59	14	7 a. m.	29.88	18	7 a. m.	29.08
	Natchez	29.66	13	9 p. m.	*e* 29.95	21	7 a. m.	*f* 29.30
Texas	Austin, [Palm]	29.57	13	7 a. m.	30.19	11	2 p. m.	29.15
	Bonham	29.46	13	9 p. m.	29.98	11	2 p. m.	28.91
	New Braunfels	27.81	13	7 a. m.	28.12	11	9 p. m.	27.60
	Sisterdale	28.72	13	7 a. m.	29.30	20	2 p. m.	27.93
	Washington	29.72	13	7 a. m.	30.23	20	2 p. m.	29.40
	Webberville	29.53	14	7 a. m	29.90	11	2 p. m.	29.26
Tennessee	Glenwood	29.62	24	7 a. m.	29.99	18	2 p. m.	29.05
	Memphis	29.81	13	9 p. m.	30.10	18	7 a. m.	29.32
Kentucky	Bardstown	29.51	24	7 a. m.	29.83	18	9 p. m.	29.05
	Danville	29.10	24	7 a. m.	29.41	18	2 p. m.	28.60
	Lexington	29.05	24	7 a. m.	29.41	18	2 p. m.	*g* 28.54
	Paris	29.25	24	7 a. m.	29.64	18	9 p. m.	28.74
	Springdale	29.47	24	7 a. m.	29.86	18	2 p. m.	28.94
Ohio	Avon	29.09	24	7 a. m.	29.58	19	7 a. m.	28.52
	Bowling Green	29.26	23	9 p. m.	29.79	25	9 p. m.	28.66
	Brecksville	29.28	24	7 a. m.	29.77	12	9 p. m.	28.69
	Cincinnati, [Harper]	29.28	24	7 a. m.	29.71	12	2 p. m.	28.74
	Cincinnati, [Phillips]	29.46	24	7 a. m.	29.89	18	9 p. m.	*h* 28.88
	Cleveland	29.05	24	7 a. m.	29.46	19	7 a m.	28.51
	College Hill	28.72	24	9 a. m.	29.35	12	9 a. m.	28.25
	Elk Run	28.55	24	7 a. m.	28.98	19	7 a. m.	27.96
	Freedom	28.50	24	7 a. m.	29.05	12	2 p. m.	27.91
	Hillsborough	28.39	24	7 a. m.	29.28	12	2 p. m.	27.92
	Hudson	28.84	24	7 a. m.	29.32	19	7 a. m.	28.23
	Kelley's Island	29.31	24	2 p. m	29.82	25	9 p. m.	28.78
	Montville	28.73	6	7 a. m.	29.20	19	7 a. m.	28.13
	New Lisbon (*b*)	28.95	24	7 a. m.	29.34	19	7 a. m.	28.39
	Northwood	28.83	24	7 a. m.	29.30	12	2 p. m.	28.38
	Portsmouth	29.36	24	7 a. m.	29.67	18	9 p. m.	28.93
	Ripley	29.48	3	7 a. m.	29.78	18	9 p. m.	28.91
	Savannah	28.90	24	7 a. m.	29.37	12	2 p. m.	28.38

a Aneroid.
b Not corrected for temperature.
c Same height at 9 p. m. on the 14th.
d Incomplete.
e Same height at 7 a. m. and 2 p. m. on the 14th.
f Same height at 2 p. m. on the 11th and 9 p. m. on the 29th.
g Same height at 9 p. m. on the 18th.
h Same height at 7 a. m. and 2 p. m. on the 12th.

No. 12.—BAROMETER, CORRECTED TO 32° F., NOVEMBER, 1859.

	NAME OF STATION.	MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Troy	29.87	24	7 a. m.	30.30	12	2 p. m.	29.21
	Urbana	28.93	24	7 a. m.	30.37	12	2 p. m.	28.39
	Westerville	28.93	24	7 a. m.	29.36	12	2 p. m.	28.42
Michigan	Battle Creek	29.11	24	7 a. m.	29.63	25	9 p. m.	28.52
	Detroit	29.59	24	7 a. m.	29.99	10	7 a. m.	29.23
	Grand Haven	29.42	24	7 a. m.	29.97	25	9 p. m.	28.70
	Marquette	29.30	5	9 p. m.	29.87	25	9 p. m.	28.48
	Monroe, [Bowlsby]	29.29	24	7 a. m.	29.80	25	9 p. m.	28.60
	Monroe Piers	29.45	24	6 a. m.	30.00	12	3 p. m.	28.89
	New Buffalo	29.31	23	9 p. m.	29.81	25	1 p. m.	28.70
	Ontonagon	29.39	5	3 p. m.	29.99	25	3 p. m.	28.69
	Ottawa Point	29.39	6	9 a. m.	30.13	25	6 p. m.	28.69
	Thunder Bay Island	29.37	6	9 a. m.	29.97	25	6 p. m.	28.56
	Ypsilanti	29.01	25	2 p. m.	29.56	12	2 p. m.	28.59
Indiana	Aurora	29.57	24	6 a. m.	29.94	18	9 p. m.	29.09
	Cannelton	29.70	24	7 a. m.	*a* 29.98	18	2 p. m.	29.16
	Michigan City	29.46	25	3 p. m.	29.89	31	6 a. m	29.17
	New Harmony	29.72	23	9 p. m.	30.11	11	9 p. m	29.22
	Richmond, [Haines]	28.81	4	7 a. m.	*b* 29.25	.....	.....	.....
Illinois	Batavia, [Mead]	29.18	23	9 p. m.	29.61	25	2 p. m.	28.62
	Elgin	29.19	24	7 a. m.	29.67	25	2 p. m	28.53
	Lebanon (*c*)	29.47	23	7 a. m.	29.84	11	9 p. m.	29.05
	Manchester	28.86	23	9 p. m.	29.25	11	1 p. m.	*d* 28.38
	Marengo	29.00	23	9 p. m.	*e* 29.40	25	2 p. m.	28.24
	West Urbana	29.15	24	7 a. m.	29.56	25	2 p. m.	28.69
	Wheaton	29.21	23	9 p. m.	29.73	25	2 p. m.	28.55
Missouri	St. Louis	29.50	23	9 p. m.	29.97	11	2 p m.	29.06
Wisconsin	Appleton	28.95	23	9 p. m.	29.53	25	9 p. m.	28.47
	Beloit	29.19	23	2 p. m.	*a* 29.70	25	2 p. m.	28.54
	Delafield	29.02	23	9 p m.	29.54	25	2 p. m.	28.28
	Kenosha (*f*)	29.44	23	9 p. m.	29.99	25	2 p. m.	28.94
	Manitowoc (*f*)	29.71	23	9 p. m.	30.29	25	2 p. m.	28.94
	Milwaukee, [Larkin]	29.16	24	7 a m.	29.69	25	2 p. m.	28.43
	Milwaukee, [Winkler]	29.28	24	7 a. m.	29.79	25	2 p. m.	28.55
	Superior City	29.31	23	3 p. m.	29.85	25	3 p. m.	28.62
Iowa	Dubuque	29.34	23	9 p. m.	29.87	25	2 p. m.	28.49
	Fairfield	27.26	23	9 p. m.	27.61	25	2 p. m.	26.72
	Muscatine	29.48	23	2 p. m.	*a* 29.96	25	7 a. m.	*g* 29.07
Minnesota	Beaver Bay, [Clarke]	29.18	23	9 p. m	29.73	25	2 p. m.	28.49
Washington Ter.	Vancouver	30.09	17	9 p. m.	30.44	19	2 p m.	29.40
Utah	Great Salt Lake City	25.71?	?	?	26.41	?	?	25.31
California	Sacramento	30.64	13	7 a. m.	30.33	21	9 p m	29.79
	San Francisco	29.93	13	7 a. m.	30.20	25	7 a. m.	29.62
	Santa Clara	29.85	13	9 p m.	*h* 30.06	26	2 p. m.	*i* 29.62
Mexico	Cordova	27.21	14	9 p. m.	27.48	12	3 p. m.	26.98
	Mirador	23.04	14	All day.	23.27	11	2 p. m.	22.83
West Indies	St. George's, Bermuda	29.99	?	?	30.33	?	?	29.74
	Turk's Island, Bahamas	29.92	27	6 a. m.	*j* 30.04	1	6 a. m	*k* 29.82
Central America	Guatemala	25.26	14	10 p. m.	25.43	11	4 p. m.	25.09
South America	Catharina Sophia, Surinam	29.89	14	6 a m.	29.97	3	6 p. m.	29.81
	Catharina Sophia, Surinam (*l*)	29.71	1	2 p. m.	*m* 29.79	16	6 p. m.	29.63

a Same height at 9 p. m. on the 23d.
b Same height at 7 a. m., 2 p. m., and 9 p. m. on the 3d.
c Incomplete.
d Same height at 1 p. m. on the 25th.
e Same height at 7 a. m. on the 24th.
f Not corrected for temperature.
g Same height at 2 p. m. on the 11th.
h Same height at 2 and 9 p. m. on the 8th.
i Same height at 2 and 9 p. m. on the 25th.
j Same height at noon and 6 p. m. on the 26th and 27th.
k Same height at noon and 6 p. m. on the 1st.
l Aneroid.
m Same height at 6 a. m. on the 26th and 28th, and 6 p. m. on the 27th and 29th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1859*.

NAME OF STATION.		MEAN.	MAXIMUM			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
British America	Hamilton	29.58	3	9 a. m.	30.17	11	9 p. m.	29.10
	Montreal	30.04	3	9 p. m.	30.82	20	9 p. m.	29.45
	St. John's	29.57	5	7 a. m.	30.51	28	2 p. m.	28.68
	St. Martin	29.97	3	10 p. m.	30.72	20	10 p. m.	29.41
	Toronto	29.71	3	11 a. m.	30.39	20	4 p. m.	29.20
	Windsor	29.93	4	7 a. m.	30.78	21	7 a. m.	29.01
	Wolfville	29.85	4	7 a. m.	30.78	21	7 a. m.	29.20
Maine	Gardiner (*a*)	30.02	4	7 a. m.	30.81	21	7 a. m.	29.42
	Perry	29.96	4	7 a. m.	30.80	21	7 a. m.	29 10
	Portland	29.98	3	9 p. m.	30.71	20	9 p. m.	29.31
	Steuben	29.93	4	7 a. m.	30.77	21	7 a. m.	29.24
New Hampshire	Claremont	29.33	3	9 p. m.	29.93	12	7 a. m.	28.76
	Manchester	30.01	3	9 p. m.	30.51	20	9 p. m.	29.46
	Shelburne (*b*)	29.82	?	?	?	?	?	?
Vermont	Burlington	29.69	3	9 p. m.	30.42	20	9 p. m.	29.08
	Lunenburg	28.72	28	2 p. m.	29.51	26	7 a. m.	28.04
	St. Johnsbury	29.44	3	9 p. m.	30.09	20	9 p. m.	28.80
Massachusetts	Amherst	29.82	3	9 p. m.	30.43	20	9 p. m.	29.11
	Bridgewater	29.80	30	2 p. m.	30.39	20	9 p. m.	29.15
	Cambridge	29.93	4	7 a m.	30.55	12	7 a. m.	29.45
	Lawrence	29.89	3	9 p. m.	30.57	12	7 a. m.	*c* 29 37
	Nantucket	30.05	3	9 p. m.	30.58	20	9 p. m.	29.36
	New Bedford	29.96	3	9 p. m.	30.53	20	9 p. m.	29.19
	Westfield	29.94	3	9 p. m.	30.55	12	7 a. m.	29.41
	Williamstown	29.33	3	9 p. m.	29.90	12	7 a. m.	28.78
	Worcester	29.47	3	9 p. m.	30.06	20	9 p. m.	28.74
Rhode Island	Providence	29.85	3	10 p. m.	30.45	20	10 p. m.	29.11
Connecticut	Middletown	29.87	3	9 p. m.	30.42	12	7 a. m.	29.34
	Pomfret	29 40	3	9 p. m.	29.98	20	9 p. m.	28.68
	Wallingford	29.95	3	9 p. m.	30.52	20	9 p. m.	29.27
New York	Bellport	29.36	3	9 p. m.	29.73	20	9 p. m.	28.87
	Buffalo	29.39	3	7 a. m.	30.01	20	2 p. m.	28.88
	Cazenovia	28.56	3	2 p. m.	29.10	20	9 p. m.	28.03
	Charlotte	29.76	3	9 a. m.	30.45	20	6 p. m.	29.21
	Fishkill Landing	30.31	3	9 p. m.	30.85	20	9 p. m.	29.75
	Flatbush	29.99	3	9 p. m.	30.45	20	9 p. m.	29.39
	New York city	30.08	3	9 p. m.	30.53	20	9 p. m.	29.45
	Oswego	29.34	3	2 p. m.	29.93	26	2 p. m.	28.44
	Penn Yan	29.43	3	2 p. m.	30.02	20	2 p. m.	28.44
	Rochester, [Dewey]	29.36	3	7 a. m.	29.98	20	9 p. m.	28.91
	Sackett's Harbor	29.76	3	9 a. m.	30.48	20	6 p. m.	29.21
	Spencertown	29.36	3	9 p. m.	29.93	13	7 a. m.	28.87
	Waterford	30.02	3	9 p. m.	30.58	20	9 p. m.	29.37
New Jersey	Lambertville	30.04	3	9 p. m.	30.51	20	9 p. m.	29.52
	Newark	30.00	3	6 p. m.	30.57	20	6 p. m.	29.45
Pennsylvania	Altoona	29.44	8	9 p. m.	*d* 29.80	4	7 a. m.	*e* 29.00
	Berwick (*a*)	29.37	3	7 a. m.	*f* 29.75	20	2 p. m.	*g* 28.75
	Cannonsburg	28.81	3	7 a. m.	29.24	17	2 p. m.	*h* 28.30
	Chambersburg	29.38	3	2 p. m.	29.39	20	2 p. m.	28.82
	Easton	29.70	3	9 p. m.	30.17	20	2 p. m.	29.11
	Gettysburg	29.54	3	2 p m.	29.99	17	9 p. m.	29.11
	Harrisburg, [Heisely]	29.82	3	9 p. m.	30.26	20	2 p. m.	29.24
	Harrisburg, [Hickok]	29.76	3	2 p. m.	30.20	20	2 p. m.	29.18
	Lewisburg	29.60	3	2 p. m.	30.06	20	2 p. m.	29.02
	Morrisville	30.15	3	2 p. m.	*i* 30.52	20	9 p. m.	29.58
	Mount Joy (*a*)	29.67	3	2 p. m.	*i* 30.12	20	2 p. m.	29.12
	Norristown	29.98	3	9 p. m.	30.43	20	2 p. m.	29.37

* For changes in hours of observation, &c., see table of the thermometer for this month.

a Not corrected for temperature.
b Incomplete.
c Same height at 7 a. m. on the 31st.
d Same height at 7 a. m. and 2 p. m. on the 9th, 10th, and 25th, and at 9 p. m. on the 8th.
e Same height at 7 a. m. and 2 p. m. on the 17th.
f Same height at 2 p. m. and 9 p m on the 3d.
g Same height at 9 p. m. on the 20th.
h Same height at 9 p. m. on the 17th.
i Same height at 9 p. m. on the 3d.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches*
Pennsylvania	Philadelphia	29.93	3	9 p. m.	30.29	20	2 p. m.	29.39
	Pittsburg, [Marine Hospital]	28.97	3	7 a. m.	29.42	17	9 p. m.	28.46
	Sewickleyville	29.10	3	7 a. m.	29.56	17	2 p. m.	*a* 28.59
	Somerset	27.59	3	2 p. m.	27.91	20	2 p. m.	27.16
Maryland	Annapolis	30.08	3	2 p. m.	30.48	20	2 p. m.	29.51
	Chestertown (*b*)	30.08	3	7 a. m.	30.52	?	?	?
	Frederick	29.79	3	2 p. m.	30.20	20	2 p. m.	29.41
	St. Mary's City	29.93	3	2 p. m.	30.37	17	2 p. m.	29.35
Dist. of Columbia	Washington	30.06	9	7 a. m.	30.46	20	2 p. m.	29.46
Virginia	Crack Whip	28.38	3	2 p. m.	28.74	20	2 p. m.	27.86
	Portsmouth	30.02	11	9 p. m.	30.81?	17	2 p. m.	29.41
North Carolina	Chapel Hill (*b*)	29.63	8	9 p. m.	29.97	?	?	?
	Davidson College	29.22	9	7 a. m.	29.62	17	7 a. m.	28.67
	Murfreesborough	29.39	9	7 a. m.	29.87	17	2 p. m.	28.85
South Carolina	All Saints	30.06	9	7 a. m.	30.42	17	7 a. m.	29.50
	Charleston	30.12	9	7 a. m.	30.54	17	7 a. m.	29.65
	St. John's (*c*)	30.15	9	7 a. m.	30.43	17	7 a. m.	29.71
Georgia	Atlanta (*d*)	29.98	9	2 p. m.	30.27	19	9 p. m.	29.75
	Augusta	30.14	17	2 p. m.	30.44	30	9 p. m.	29.95
	Thomaston	28.98	9	7 a. m.	29.33	17	7 a. m.	28 50
Florida	Atsena	29.78	9	9 p. m.	30.00	16	9 p. m.	29.36
	Jacksonville	30.17	9	7 a. m.	30.60	16	9 p. m.	29.67
	Micanopy	30.02	9	9 p m.	30.32	16	9 p. m.	29.56
	St. Augustine	29.99	10	7 a. m.	30.24	16	9 p. m.	29.60
	Salt Ponds (*d*)	29.72	10	2 p. m.	*e* 29.88	16	2 p. m.	29.54
	Warrington	30.08	9	7 a m.	30.48	16	9 p. m.	29.59
Mississippi	Columbus	29.92	9	7 a. m.	30.36	16	9 p. m.	29.42
	Hernando	29.62	9	7 a. m.	*f* 30.05	17	2 p. m.	29.21
	Natchez	29.58	9	7 a. m.	*g* 30.10	16	2 p. m.	29.20
	Paulding (*b*)	29.98	?	?	?	?	?	?
Texas	Austin, [Palm]	29.63	8	7 a. m.	30.08	28	9 p. m.	29.27
	Bonham	29.53	9	7 a. m.	29.94	28	9 p. m.	29.17
	New Braunfels	27.88	10	2 p. m.	28.13	1	7 a. m.	27.68
	Sisterdale	29.76	9	9 p. m.	29.21	18	2 p. m.	28.41
	Washington	29.79	9	7 a. m.	30.24	28	9 p. m.	29.47
	Webberville	29.63	9	7 a. m.	29.94	28	9 p. m.	29.29
Tennessee	Glenwood	29.64	8	7 a. m.	30.06	17	7 a. m.	29.07
	Memphis	29.86	8	7 a. m.	30.26	29	2 p. m.	29.48
Kentucky	Bardstown	29.50	8	2 p. m.	29.87	17	2 p. m.	28.91
	Danville	29.06	10	7 a. m.	*f* 29.41	17	2 p. m.	28.47
	Paris	29.24	10	7 a. m.	29.60	17	2 p. m.	28.56
	Springdale	29.47	10	7 a. m.	29.88	17	2 p. m.	28.75
Ohio	Avon	29.09	3	7 a. m.	29.56	17	9 p. m.	28.54
	Bowling Green	29.27	3	7 a. m.	29.75	17	9 p. m.	28.66
	Brecksville	29.34	3	2 p. m.	29.76	17	2 p. m.	28.88
	Cincinnati, [Harper]	29.27	10	7 a. m.	29.67	17	2 p. m.	28.57
	Cincinnati, [Phillips]	29.47	10	7 a. m.	29.90	17	2 p. m.	28.71
	Cleveland	29.06	3	7 a. m.	29.37	17	9 p. m.	28.57
	College Hill	28.68	9	7 a. m.	*g* 29.07	20	7 a. m.	*e* 28.40
	Elk Run	28.51	3	7 a. m.	28.99	17	9 p. m.	28.00
	Freedom	28.61	3	7 a. m.	29.18	17	9 p. m.	28.05
	Hillsborough	28.80	10	7 a. m.	29.19	17	2 p. m.	28.15
	Hudson	28.82	3	7 a. m.	29.30	17	9 p. m.	28.28
	Kelley's Island	29.30	3	7 a. m.	29.75	17	9 p. m.	28.81
	Montville	28.69	3	7 a. m.	29.18	17	9 p. m.	28.15
	New Lisbon (*d*)	28.87	8	9 p. m.	29.25	17	9 p. m.	28.42
	Northwood	28.82	3	7 a. m.	29.22	17	9 p. m.	28.20
	Portsmouth	29.34	8	9 p. m.	29.65	17	2 p. m.	28.86

a Same height at 9 p. m. on the 17th.
b Incomplete.
c Aneroid.
d Not corrected for temperature.
e Same height at 9 p. m. on the 25th.
f Same height at 2 p. m. on the 8th.
g Same height at 2 p. m. on the 9th.

No. 13.—BAROMETER, CORRECTED TO 32° F., DECEMBER, 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.		
			DATE.		HEIGHT.	DATE.		HEIGHT.
			Day.	Hour.		Day.	Hour.	
		Inches.			*Inches.*			*Inches.*
Ohio	Ripley	29.47	8	7 a. m.	29 86	17	9 p. m.	28.87
	Savannah	28.88	3	7 a. m.	29.34	17	9 p. m.	28.29
	Troy	29.88	8	7 a. m.	30.32	17	9 p. m.	29.23
	Urbana	28.91	4	7 a. m.	*a* 29.29	17	2 p. m.	*b* 28.34
	Westerville	28.90	3	7 a. m.	29.30	17	2 p. m.	28.32
Michigan	Battle Creek (*c*)	29.18	3	7 a. m.	29.57	?	?	?
	Detroit	29.54	3	7 a. m.	30.04	18	2 p. m.	29.08
	Grand Haven	29.45	3	7 a. m.	30.25	17	9 p. m.	28.96
	Marquette	29.31	28	7 a. m.	29.69	25	2 p. m.	28.82
	Monroe, [Bowlsby]	29.26	3	7 a. m.	29.80	17	9 p. m.	28.73
	Monroe Piers	29.47	3	6 a m.	30.01	18	6 a. m.	28.91
	New Buffalo (*c*)	29.32	3	7 a. m.	29.82	18	7 a. m.	28.87
	Ontonagon (*d*)	29.33	27	9 p. m.	29.71	25	7 a. m.	28.89
	Ottawa Point	29 38	3	9 a. m.	30.04	25	6 p. m.	28.96
	Thunder Bay Island	29.38	3	9 a. m.	30.07	11	6 p. m.	28.82
	Ypsilanti	28.99	3	7 a. m.	29.44	18	7 a. m.	28.48
Indiana	Aurora	29.55	10	6 p. m.	29.86	17	2 p. m.	28.84
	Cannelton	29.73	8	7 a. m.	30.17	17	2 p. m.	29.07
	Michigan City	29.48	10	9 a. m.	29.90	18	9 a. m.	29.09
	New Harmony	29.77	2	9 p. m.	30.16	17	2 p. m.	29.11
Illinois	Batavia, [Mead]	29.28	3	7 a. m.	29.71	17	9 p. m.	28.77
	Elgin	29.24	2	9 p. m.	29.74	25	2 p. m.	28.74
	Lebanon	29.56	10	7 a. m.	29.94	17	7 a m.	29.12
	Manchester	28.95	2	9 p. m.	29.36	25	2 p. m.	28.47
	Marengo	29.25	3	7 a. m.	29.46	25	9 p. m.	28.57
	West Urbana	29.16	2	9 p. m.	29.55	17	9 p. m.	28.60
	Wheaton	29.27	2	9 p. m.	29.77	17	9 p. m.	28.64
Missouri	St. Louis	29.66	2	9 p. m.	30.10	17	2 p. m.	29.16
Wisconsin	Appleton	29.03	3	7 a. m.	*e* 29.59	25	2 p. m.	28.65
	Beloit	29.26	2	9 p. m.	29.76	25	9 p. m.	28.85
	Delafield	29.07	3	7 a. m.	*f* 29.58	25	2 p. m.	28.55
	Kenosha (*g*)	29.51	3	7 a. m.	29.95	18	7 a. m.	*h* 29.04
	Manitowoc (*g*)	29.76	3	7 a. m.	30.29	25	9 p. m.	29.27
	Milwaukee, [Larkin]	29.21	3	9 p. m.	29.72	25	2 p. m.	28.69
	Milwaukee, [Winkler]	29.36	3	7 a. m.	*e* 29.81	25	2 p. m.	28.83
	Superior City	29.42	2	9 a. m.	30.00	25	6 a. m.	28.82
Iowa	Dubuque	29.43	2	9 p. m.	29.98	25	2 p. m.	28.87
	Fairfield	27.43	2	7 a. m.	*e* 27.92	25	2 p. m.	26.97
	Muscatine	29.56	3	7 a. m.	29.94	25	2 p. m.	29.08
Minnesota	Beaver Bay, [Clarke]	29.27	2	7 a. m.	29.89	25	7 a. m.	28.65
Utah	Great Salt Lake City	26.19	?	?	26.39	?	?	25.53
California	Sacramento	30.17	7	7 a. m.	30.37	24	7 a. m.	29.79
	San Francisco	30.03	7	7 a. m.	30.23	25	2 p. m.	29.64
	Santa Clara	29.95	7	7 a. m.	30.12	26	9 p. m.	29.63
Mexico	Cordova	27.20	9	9 p. m.	27.50	18	3 p. m.	26.92
	Mirador	23.07	10	2 p. m.	23.28	29	2 p. m.	22.83
West Indies	St. George's, Bermuda	29.93	?	?	30.32	?	?	29.70
	Turk's Island, Bahamas	29.91	1	6 a. m.	*i* 30.03	7	6 a. m.	*j* 29.83
Central America	Guatemala	25.26	10	10 a. m.	25.41	16	4 p. m.	25.13
South America	Catharina Sophia, Surinam	29.88	28	6 a. m.	29.97	5	6 p. m.	29.80
	Catharina Sophia, Surinam (*k*)	29.75	1	6 p. m.	29.84	5	6 p. m.	29.60

a Same height at 7 a. m. on the 10th.
b Same height at 9 p. m. on the 17th.
c Incomplete.
d No observations on the 1st, 2d, and 3d.
e Same height at 9 p. m. on the 2d.
f Same height at 2 p. m. on the 9th.
g Not corrected for temperature.
h Same height at 2 p. m. on the 25th.
i Same height at noon and 6 p. m. on the 1st.
j Same height at 6 a. m. on the 8th and 18th, at noon on the 7th and 17th, and at 6 p. m. on the 6th, 7th, and 17th.
k Aneroid.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	-------	-------	-------	—19 04	23	*b* 0	23	— 0.50	29	—45	1	—38.50	----
Hamilton (*c*)	26.45	-------	27.90	27.18	20	48	20	43.00	10	—20	9	—11.50	----
Montreal	9.29	15.73	12.74	12.59	20	39	26	33.67	10	—30 *d*	10	—27.67	5.9
Moose Factory (*e*)	—17.95	— 4.27	—10.42	—10.86	----	36	----	-------	----	—50	----	-------	----
Red River Settlement	— 4.58	5.63	— 4.39	— 1.11	19	*f* 35	19	23.33	7	—39	7	—31.00	4.2
Rigolet (*g*)	— 5.84	-------	— 2.77	— 4.30	8	36	21	32.50	24	—28	13	—24.50	----
St. John's	22.97	25.74	23.78	24.16	22	57	22	52.33	25	1	3	4.33	8.2
St. Martin (*h*)	5.71	17.66	11.35	11.57	5	39	21	36.33	10	—44	10	—28.70	----
Stanbridge	13.48	20.71	16.06	16.75	20	46	20	38.67	10	—36	10	—30.00	6.5
Toronto (*h*)	24.54	28.75	26.20	26.50	20	41	20	37.98	10	—26	10	— 8.65	7.2
Windsor	19.08	24.54	20.83	21.48	21	55	21	50.80	13	— 9	11	— 1.33	6.4
Wolfville	19.97	25.34	19.04	21.45	21	57	21	52.67	11	— 7.5	11	— 1.00	7.7
MAINE—													
Cornish	13.00	21.41	16.09	16.83	21	44	21	40.33	11	—32	11	—18.67	5.4
Cornishville	16.13	23.55	19.13	19.60	21	43	21	41.33	11	—23	10	—13.00 *d*	5.3
Dexter	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.7
Gardiner	8.61	19 66	12.71	13.66	21	41	21	38.00	11	—32	11	—19.67	5.9
Perry	14.63	20.02	16.85	17.17	7	43	7	38.17	11	—22	11	—12.67	6.2
Portland	16.32	24.09	19.65	20.02	21	42	21	40.67	11	—23	11	—14.00	6.1
Steuben	15.48	23.13	18.65	19.09	7	*i* 44	21	42.67	11	—21	10	—11.00	6.6
NEW HAMPSHIRE—													
Shelburne	9.68	25.65	15.10	16.81	29	47	?	?	11	—38	11	—20.33	6.3
Stratford	11.48	21.29	13.22	15.36	20	42	21	34.00	11	—36	10	—24.00	6.1
VERMONT—													
Brandon	17.36	26.12	19.63	21.04	20	46	21	37.67	10	—27	10	—23.67	6.4
Burlington	17.00	22.69	18.77	19.49	20	*b* 42	20	38.67	10	—31	10	—26.83	6.1
Craftsbury	12.68	21.10	15.45	16.41	20	39	21	35.00	11	—35	10	—26.00	5.0
Rupert	19.55	27.94	27.94	23.48	21	50	21	37.67	10	—24	10	—18.00	5.3
St. Johnsbury	9.45	22.30	13.23	14.99	21	41	21	36.67	11	—40	11	—29.33	6.0
Woodstock	11.80	19.10	16.99	13.10	21	41	21	38.10	11	—39	11	—25.00	6.5
MASSACHUSETTS—													
Amherst	18.69	27.49	23.00	23.06	21	42	21	40.10	11	—19	11	—12.50	5.2
Bridgewater (*j*)	23.76	31.96	28.18	29.97	21	54	21	51.00	11	—13	10	— 4.18	5.5
Cambridge	21.64	30.13	25.48	25.75	21	54	21	48.33	11	—17	10	— 5.50	5.6
Danvers	20.56	30.90	24.10	25.19	21	52	21	46.33	11	—16	11	— 3.33	5.8
Florida	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.3
Lawrence	19.71	28.42	23.81	23.98	21	52	21	46.33	11	—17	10	— 7.00	5.5
Mendon	21.71	30.55	24.52	25.59	20	*i* 50	21	47.00	11	—18	10	— 7.67 *d*	5.3
Nantucket	32.87	37.58	32.90	34.45	21	50	21	48.83	10	9	10	15.17	6.5
New Bedford	25.97	32.97	28.02	28.99	21	51	21	49.50	11	—12	10	— 2.50	6.2
Richmond	18.32	27.72	22.20	22.74	21	45	21	38.33	10	—22	10	—18.83	6.3
Westfield	18.65	27.29	22.71	22.88	21	42	21	39.33	11	—21	11	—14.67	6 0
Weymouth	23.97	-------	27.10	25.53	21	51	21	46.50	11	—13	11	— 5.50	3.5
Williamstown	20.97	26.06	23.68	23.57	21	44	21	38.33	10	—22	10	—21.00	6.4
Worcester	23.40	30.76	25.54	26.57	21	50	7	41.00	11	—15	11	— 5.17	5.6
RHODE ISLAND—													
Providence (*k*)	28.00	32.60	27.20	29.27	21	54	21	?	11	—11	11	— 5.33	4.9
CONNECTICUT—													
Columbia	22.13	34.55	22.97	26.55	19	56	21	42.67	11	—14	10	— 7.00	5.2
Middletown	21.31	31.46	24.36	25.71	21	49	21	43.80	11	—17	11	—10.20	4.9
Pomfret	20.69	27.89	23.38	23.99	21	48	21	43.93	11	—16	10	—10.17	5.5
Saybrook	24.67	31.27	27.03	27.66	21	47	21	43.00	11	—10	10	— 5.00	5.2
Wallingford	20.56	31.29	23.85	25.23	20	*i* 46	21	41.83	11	—17	11	—10.17	4 9
NEW YORK—													
Bellport	28.11	33.06	29.92	30.36	7	*i* 47	7	44.33	10	0	10	3.00	4.2
Beverly	22.43	29.50	25.04	25.66	21	44	21	40.33	10	—16	10	—15.00	5.9

a Register thermometer. No observations on 14th and 19th.
b Same temperature on the 26th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 11th.
e Observations taken at sunrise, 2 p. m., amd 10 p. m.
f Same temperature on the 23d.
g Observations taken at sunrise and sunset.
h Observations taken at 6 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 21st.
j Observations taken at 7 a. m., 2 p. m., and 7 p. m.
k Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	28.45	31.52	28.82	29.60	20	49	20	44.00	10	—10	10	— 1.33	6.4
Flatbush	25.35	33.36	27.86	28.86	20	48	21	44.10	10	— 8	10	— 5.10	5.9
Fort Edward	17.61	27.33	22.29	22.41	21	45	15	*b*38.67	11	—24	10	—17.67	6.7
Houseville	19.13	26.39	20.97	22.16	20	47	20	40.33	10	—29	10	—24.00	7.6
Nichols	22.77	33.16	25.87	27.27	20	51	28	43.67	10	—18	10	—13.00	7.1
Oswego	22.81	30.16	24.65	25.87	20	*b*49	20	41.00	10	—18	10	—15.00	7.6
Penn Yan (*c*)	23.81	34.00	28.45	28.75	20	55	28	45.00	10	—15	10	— 9.00	2.6
Rochester, [Dewey]	24.90	31.19	27.26	27.77	20	51	20	45.00	10	—10	10	— 0.67	8.0
Wampsville	21.26	27.42	22.71	23.80	20	50	20	42.00	10	—28	10	—22.00	7.8
Waterford	20.85	29.48	23.39	24.57	21	48	21	40.67	10	—20	10	—17.00	6.0
NEW JERSEY—													
Freehold	25.58	37.67	27.37	30.20	21	61	21	53.00	10	— 6	10	— 3.00	----
Lambertville	24.24	37.75	30.24	30.74	28	57	28	49.53	10	— 7	10	— 3.37	4.1
Moorestown (*d*)	------	39.66	32.38	36.02	20	*e*56	----	?	10	— 6	10	— 1.33	4.7
Newark (*f*)	------	-------	-------	29.88	21	55	21	49.25	11	—12	11	— 2.38	----
PENNSYLVANIA—													
Bellefonte	25.16	35.97	28.48	29.87	20	51	13	41.33	10	— 6	10	— 1.00	5.8
Berwick	26.03	35.39	29.87	30.43	21	56	28	44.33	10	—10	10	— 5.00	4.6
Cannonsburg	28.58	36.84	32.35	32.59	20	55	28	47.67	8	6	8	8.33	6.1
Carlisle	22.52	35.19	29.40	29.04	21	50	21	42.33	10	— 1	10	0.33	5.4
Chambersburg	26.26	35.97	29.90	30.71	13	52	28	42.00	10	2	10	5.33	6.0
Chromedale	29.04	38.58	31.69	33.10	28	56	28	53.67	10	0	10	3.00	5.0
Easton (*g*)	24.74	31.80	26.45	27.66	21	54	28	41.33	10	— 9	10	— 5.83	5.6
Fleming	22.94	36.19	26.22	28.45	20	*h*52	13	44.00	10	—11	10	— 2.00	6.0
Gettysburg	24.45	36.84	28.29	29.86	28	55	21	45.33	10	— 2	10	0.00	5.1
Harrisburg, [Heisely]	29.48	35.93	32.37	32.61	21	58	21	47.00	10	4	10	4.33	5.6
Harrisburg, [Hickok]	27.33	35.06	30.80	31.06	21	56	21	44.67	10	— 1	10	0.17	5.8
Lewisburg	23.96	32.85	27.62	28.14	21	50	12	41.47	10	— 9	10	— 5.23	6.6
Linden (*i*)	22.00	32.00	27.65	27.22	20	48	----	?	10	—12	10	— 6.50	7.2
Morrisville	25.42	37.06	28.68	30.39	21	59	21	51.33	10	— 4	10	— 2.33	4.0
Mount Joy	27.08	38.33	31.09	32.17	21	57	28	46.67	10	0.5	10	1.50	5.1
Murrysville	25.00	34.50	27.73	29.08	14	*j*54	14	45.00	10	— 7	10	2.35	6.3
Norristown	28.50	37.48	32.30	32.76	21	55	21	50.20	10	— 2	10	— 1.33	5.9
North Whitehall (*k*)	24.84	34.23	30.77	29.95	21	52	22	32.00	10	—10	10	— 4.67	?
Philadelphia	27.04	34.78	30.54	30.79	21	54	28	53.00	10	0	10	2.00	5.6
Pittsburg, [Marine Hosp]	27.96	35.22	31.38	31.52	28	54	14	44.67	10	2	10	6.67	5.9
Pocopson	27.10	37.83	30.58	31.84	21	59	28	51.00	10	— 1	10	0.33	5.5
Shamokin	23.54	30.29	27.22	27.02	21	54	28	46.00	10	— 8	10	— 4.67	5.3
Somerset	24.03	35.94	27.65	29.21	20	*e*54	28	48.00	10	— 8	10	3.00	7.1
Tarentum	25.23	37.03	30.20	30.82	14	*j*56	14	48.00	10	— 4	10	5.00	5.8
West Haverford	29.90	39.03	-------	34.46	21	58	21	56.00	10	— 2	10	1.00	5.0
Westtown	27.45	36.41	29.77	31.21	21	54	28	51.40	10	— 2	10	— 1.70	5.3
Worthington (*l*)	24.53	37.53	31.83	31.30	28	55	28	49.67	10	—10	10	5.00	----
MARYLAND—													
Annapolis	29.90	40.10	36.00	35.33	28	57	28	51.33	10	7	10	8.00	5.4
Baltimore	31.35	40.04	34.61	35.33	28	60	28	55.33	10	3	10	5.67	5.8
Bladensburg (*d*)	29.19	43.12	31.42	34.58	28	61	28	55.33	10	3	10	6.33	5.5
Chestertown	30.13	38.85	32.70	33.89	28	58	28	53.50	10	0.5	10	2.33	5.8
Frederick	28.51	37.41	31.26	32.39	21	53	21	45.50	10	5.8	10	7.40	5.3
Leitersburg	25.71	37.90	29.42	31.01	21	56	20	46.00	10	0	10	2.33	5.0
Leonardtown	33.09	43.45	35.48	37.34	21	63	28	57.33	10	6	10	9.33	5.0
Sykesville	29.69	40.97	30.77	33.81	28	59	28	53.67	10	— 2	10	1.00	4.7
DISTRICT OF COLUMBIA—													
Washington	31.94	41.29	35.68	36.30	28	59	28	55.00	10	5	10	8.67	4.5

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 21st.
c Observations taken at sunrise, 2 p. m., and sunset.
d Incomplete.
e Same temperature on the 28th.
f Daily maximum and minimum.
g Observations taken at 8 a. m., 2 p. m., and 10 p. m.
h Same temperature on the 28th and 29th.
i Incomplete. Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 20th.
k Observations taken at sunrise, noon, and sunset.
l Observations taken morning, noon, and evening.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
VIRGINIA—													
Crichton's Store (*a*)	37.83	44.72	46.37	42.97	21	69	21	65.00	11	*b* 18	23	20.67	5.1
Cross Creek	21.73	36.28	25.77	27.93	20	60	20	46.00	10	— 8	10	4.00	....
Hartwood	32.87	42.54	36.42	37.28	27	62	27	56.00	10	9	10	10.33	...
Lewinsville	35.05	43.98	36.82	38.62	30	64	29	56.67	10	8	10	10.50	4.4
Lewisburg	25.00	41.84	30.81	32.55	28	62	28	45.33	23	— 2	8	9.00	4.6
Meadow Dale	23.94	38.16	32.36	31.49	13	*c* 52	21	45.00	23	— 4	8	6.67	4.4
Montross	31.71	41.39	35.77	36.31	21	62	28	56.67	10	8	10	10.00	5.6
Point Pleasant	26.48	38.94	31.55	32.32	27	*d* 50	27	42.33	23	4	7	*e* 15.00	6.1
Poplar Grove	29.06	44.52	31.81	35.14	20	68	14	50.00	23	6	8	*b* 15.00	5.3
Portsmouth	38.82	48.50	40.44	42.59	21	72.5	21	65.83	10	15.5	10	19.83	3.8
Rose Hill	.....	.....	.....	.....	....	66	..	.....	....	15	....	.....	....
Rougemont	30.35	45.55	35.23	37.04	29	64	28	56.00	23	5	10	11.67	4.7
Smithfield	31.33	46.69	37.63	39 55	21	67	21	63.50	10	11	10	16.67	5.5
Stribling Springs	22.34	40.18	22.77	28.43	20	60	21	45.67	23	— 4	23	5.33	3.3
Westwood	33.90	45.23	38.25	39.13	21	67	28	58.00	10	13	10	15.67	....
Winchester	29.68	41.29	32.16	24.38	28	60	28	50.00	10	6	10	10.00	3.8
NORTH CAROLINA—													
Chapel Hill	34.65	49.19	39.10	40.98	21	69	21	61.00	23	13	23	18.67	5.4
Davidson College	35.38	49.67	40.35	41.80	21	*f* 66	....	?	23	12	23	18.53	4.6
Green Plains	33.74	47.42	37.19	39.45	21	66	21	63.00	22	*b* 12	22	16.67	....
Murfreesborough	37.10	47.39	42.52	42.34	21	69	21	65.33	11	15	23	20.33	4.2
SOUTH CAROLINA—													
Aiken	39.29	50.86	42.00	44.05	29	68	29	61.33	24	18	23	23.33	4.9
All Saints	42.56	53.53	46.22	47.44	29	69	21	64.67	24	22	23	27.67	4.7
Charleston	46 29	55.29	50.74	50.77	29	70	21	65.67	24	25	23	30.67	....
Columbia, [Barton]	39.18	52.29	43.88	45.12	21	71	29	67.00	22	18	23	24.83	5.9
Columbia, [White]	37.06	49.19	40.58	42.28	21	71	21	65.00	8	*g* 23	24	24.33	3.3
St. John's (*h*)	41.00	.....	46.32	41.83	21	73	....	?	25	19	....	?	5.8
GEORGIA—													
Athens	37.47	49.58	42.15	43.07	15	64	28	59.50	23	14	23	23.00	4.7
Atlanta	37.46	46.61	44.42	42.83	20	62	14	*d*58.67	23	16	23	25.33	4.1
Augusta	43.47	57.65	49.45	50.19	21	74	29	66.00	23	26	23	33.17	5.2
Savannah	45.64	56.19	50.90	50.91	21	73	21	66.93	24	26	23	32.17	5.7
Thomaston	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.9
Whitemarsh Island	45.90	56.33	51.39	51 21	29	71	21	65.67	24	26	23	33.33	5.6
Zebulon	42.26	51.10	46.03	46.46	21	66	20	62.83	23	21	23	29.16	4.9
FLORIDA—													
Alligator	46.61	62.33	54.52	54.49	20	*i* 78	21	71.67	23	27	23	31.00	4.8
Atsena	50.61	58 42	56.19	55.07	20	*j* 68	21	64.33	9	*k* 36	23	40.67	3.8
Belair (*h*)	44.06	61.13	53.65	52.95	20	*l* 74	21	66.00	23	24	23	32.00	4 0
Gainesville	49.65	62.63	55.23	55.84	21	*f* 77	21	71.33	9	30	23	37.33	4.6
Jacksonville	49.55	61.58	53.87	54.52	21	76	21	66.67	9	*b* 30	23	33.67	5.2
Micanopy	47.52	65.54	52.63	55.23	28	80	21	72.33	9	25	23	35.67	5.6
St. Augustine	55.94	63.19	56.87	58.67	30	79	14	70.33	9	35	23	40.67	5.1
Salt Ponds (*m*)	67.10	72.19	.....	69.64	1	*e* 82	1	80.00	10	*n* 55	10	56.00	4.2
Seville	51.32	.....	.....	.....	27	*d* 70	....	?	24	33	....	?	....
ALABAMA—													
Carlowville	38.13	48.39	42.35	42.96	1	*o* 60	1	55.33	22	15	22	22.00	4.0
Greene Springs	38.21	51.40	42.18	43.91	20	68	29	60.17	23	14	23	22.83	4.0
Greensborough (*h*)	38.04	52.61	43.70	44.78	29	69	?	?	23	14	23	24.00	4.3
Montgomery	39.29	54.97	46.03	46.76	20	70	29	62.67	23	17	23	26.50	4.0
Selma	40.65	52.48	46.94	46.69	20	69	28	61.00	23	18	23	26.00	4.8
MISSISSIPPI—													
Columbus	36.27	49.59	42.32	42.73	29	65	20	57.83	23	13	23	22.53	4.0
Natchez	40.19	55.10	49.16	48.15	20	70	20	63.33	23	18	23	27.33	4.4
Paulding	40.93	54.58	48.16	47.89	29	70	20	64.33	23	16	23	26.50	4.7

a Observations taken at 9 a. m., noon, and 4 p. m.
b Same temperature on the 23d.
c Same temperature on the 20th.
d Same temperature on the 28th.
e Same temperature on the 8th.
f Same temperature on the 29th.
g Same temperature on the 24th.
h Incomplete.
i Same temperature on the 21st and 30th.
j Same temperature on the 26th and 27th.
k Same temperature on the 23d and 24th.
l Same temperature on the 27th and 29th.
m Thermometer 2½ to 2¾ degrees too high.
n Same temperature on the 11th.
o Same temperature on the 20th and 26th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
LOUISIANA—	°	°	°	°		°		°		°		°	
Black River	41.77	57.35	49.06	49.39	20	71	6	*a*64.00	23	*b* 22	20	30.00	5.2
New Orleans (*c*)	52.26	56.26	57.81	55.44	20	73	27	68.33	23	34	23	37.67	----
TEXAS—													
Austin, [Palm]	42.23	58.52	46.90	49.22	6	73	20	62.33	8	24	7	30.33	4.1
Austin, [Van Nostrand]	40.19	59.29	47.91	49.13	6	74	20	62.11	8	*d* 22	7	32.53	4.9
Larissa	41.77	56.48	48.24	48.83	20	68	20	63.00	23	20	---	?	3.4
New Braunfels	40.86	58.48	46.52	48.62	20	70	20	62.58	23	23	7	30.18	0.7
Roundtop	46.00	62.00	57.00	55.00	----	70	----	-------	----	25	----	-------	----
Sisterdale	36.50	57.00	41.70	45.07	----	----	----	-------	----	-------	----	-------	3.9
Union Hill	42.03	57.71	49.00	49.58	20	69	20	60.00	23	22	7	29.33	4.9
Washington	43.60	60.14	47.74	50.49	20	74	20	66.67	7	*e* 25	7	29.67	4.4
ARKANSAS—													
Washington (*f*)	38.23	53.35	-------	45.79	27	68	20	62.50	23	18	23	28.00	----
TENNESSEE—													
Glenwood	30.63	43.15	36.22	36.67	20	58	20	55.17	22	7	22	11.73	5.0
La Grange	34.79	48.17	40.39	41.12	20	58½	27	56.00	23	13	23	22.67	4.0
Memphis	35.00	46.48	41.35	40.94	27	61	20	57.67	23	13	22	*d* 22.23	3.2
KENTUCKY—													
Bardstown	28.95	40.03	33.10	34.03	27	67	20	52.67	8	1	22	10.00	5.0
Danville	30.78	43.78	35.42	36.56	20	*g* 60	20	55.33	23	3	22	*d* 12.00	4.2
Louisville (*h*)	28 16	39.13	33.32	33.54	20	55	20	52.00	8	*i* 4	22	7.33	4.3
Paris	27.93	37.52	32.16	32.54	20	58	20	51.33	22	2	22	7.00	5.5
Springdale (*j*)	25.87	39.56	35.11	33.51	27	54	20	50.50	8	— 1	22	6.67	4.8
OHIO—													
Avon	27.57	34.96	30.78	31.10	27	57	14	47.33	8	0.5	8	4.73	6.4
Bellefontaine	18.33	30.75	25.33	24.80	27	47	14	42.33	8	—10	8	— 4.00	5.6
Bowling Green	25.38	34.32	27.71	29.14	14	49	14	44.80	10	—14	8	1.50	5.9
Cincinnati, [Harper]	29.84	45.45	34.39	36.56	15	*k* 65	20	52.67	8	3	22	9.67	4.2
Cincinnati, [Phillips]	31.81	38.06	38.45	36.11	20	60	20	55.33	23	7	22	9.33	----
Cleveland	25.63	33.63	29.11	29.46	20	54	20	48.33	8	1	8	4.00	7.5
Collingwood	25.32	33.65	29.71	29.56	19	50	20	44.00	8	— 8 *l*	8	1.00	----
Hillsborough	26.13	34.10	30.35	30.19	20	56	20	52.80	8	— 1	22	5.00	4.9
Hiram	25.48	32.35	27.35	28.39	20	50	20	45.67	8	0	8	1.67	7.3
Hudson (*m*)	26.05	33.57	29.36	29.66	20	54	20	47.03	8	4	8	7.93	6.1
Jackson, [Monroe county]	25.02	35.69	30.35	30.35	20	56	20	45.33	23	— 0.5	23	8.17	5.0
Lancaster, [Davis]	26.68	34.49	29.53	30.23	21	56	14	52.33	24	0	8	6.30	5.2
Lancaster, [Dayton] (*n*)	28.64	41.22	32.28	34.05	20	63	?	?	8	15	22	11.67	5.5
Madison, [Atkins]	25.69	33.24	28.69	29.21	20	56	14	50.00	10	— 3	9	1.33	7.3
Madison, [King]	26.00	34.19	28.87	29.69	20	54	20	48.33	10	4	9	10.67	7.4
Montville	25.31	32.13	28.52	28.65	20	54	20	47.33	10	— 1	8	4.00	6.4
New Lisbon	28.05	40.42	32.96	33.81	20	65	14	53.67	10	— 3	8	*l* 6.00	4.7
Northwood	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.2
Portsmouth	27.29	40.90	31.26	33.15	20	64	20	51.00	8	*d* 4	8	12.67	3.6
Ripley	27.23	-------	31.65	29.44	20	60	20	50.00	8	*d* 1	22	8.33	5.7
Rockport	30.23	38.74	34.23	34.40	20	55	20	50.00	9	4	7	12.00	----
Savannah	24.26	34.42	28.32	29.00	20	55	20	49.67	8	—10 *l*	8	— 1.00	6.5
Troy	24.32	33.35	30.42	29.36	14	50	14	47.33	8	— 6	8	*o* 4.00	----
Urbana	23.48	34.19	27.55	28.41	14	*p* 50	20	48.00	8	— 6	8	*o* 3.00	5.6
Welchfield	24.19	33.45	27.19	28.28	20	55	20	46.67	10	0	8	4.67	6.3
Westerville	26.53	35.77	31.19	31.16	20	56	20	49.50	8	0	21	6.50	5.6
Windham	25.52	32.81	28.90	29.08	28	50	20	44.00	10	2	8	5.00	----
MICHIGAN—													
Battle Creek	22.94	32.81	26.03	27.26	19	*q* 45	13	40.00	10	—24	10	2.67	6.1
Detroit	26.03	32.48	27.68	28.73	20	48	20	41.67	11	—11	9	4.00	6.5
Grand Rapids	23.58	29.93	24.84	26.12	19	50	19	40.67	8	— 7	8	4.00	7.6

a Same temperature on the 20th and 29th.
b Same temperature on the 24th.
c Observations taken at 9 a. m., noon, and 3 p. m.
d Same temperature on the 23d.
e Same temperature on the 8th.
f Observations taken at sunrise and 3 p. m.
g Same temperature on the 27th.
h Observations taken at 7 a. m., 3 p. m., and 9 p. m.
i Same temperature on the 22d and 2 d.
j Observations taken at 7 a. m , 2 p. m., and 6 p. m.
k Same temperature on the 29th.
l Same temperature on the 10th.
m The records of thermometer at this place are 0.85 too high.
n Incomplete.
o Same temperature on the 22d.
p Same temperature on the 20th and 27th.
q Same temperature on the 20th.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Lansing (*a*)	24.42	30.52	26.10	27.01	20	45	13	40 00	8	5	8	7.67 *c*	4.7
Marquette	15.98	22.54	16.56	18.36	19	40	19	34.16	22	— 9	21	— 5.86	7.2
Monroe, [Whelpley]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.2
New Buffalo (*d*)	24.55	.....	.....	.....	14	*b* 43	...	.....	8	*e* 0	.....	.....	7.6
Ottawa Point (*f*)	21.65	27.48	25.00	24.06	12	39	20	36.75	10	—12	10	— 1.75	7.5
Port Huron	24.11	32.70	27.55	28.12	20	45	20	41 33	10	—13	10	5.00	6.6
Thunder Bay Island (*g*)	21.27	24 45	23.32	22.82	20	38	20	36.25	10	*h*— 4	9	— 3.25	8.0
Ypsilanti	22.49	31.23	26.66	26.79	20	46	20	42.17	10	—17	10	4.33	7.0
INDIANA—													
Aurora (*i*)	27.16	37.90	31.26	32.11	20	56	20	50.67	8	*e* 0	22	1.33	.....
Cannelton	30.67	39.46	34.14	34.76	27	56	27	51.83	22	7	22	7.60	4.3
Logansport	25.26	36.12	28.68	30.02	19	53	20	47.67	8	—10	8	1.33	6.7
Mishawaka	.....	.....	.....	.....	...	.....	...	.....	...	.....	...	.....	5.4
New Harmony	29.16	39.16	32.68	33.67	27	53	27	48 33	22	4	22	7.33	5.0
Richmond, [Austin] (*j*)	25.27	35.24	.....	30.25	14	52	14	48.00	8	—10	8	2.00	5.7
Richmond, [Moore]	24.89	35.03	30.35	30.09	20	51	14	47.00	8	— 5	22	2.50	5.1
ILLINOIS—													
Augusta	22.35	33.45	26.71	27.50	27	54	19	44.33	22	— 9	6	— 2.00	3.3
Aurora	20.06	30.22	22.84	24.37	11	47	13	39.67	8	—17	22	— 2.00	4.9
Batavia, [Capon]	20.45	32.77	20.03	24.42	19	52	19	40.67	8	—16	8	0.00	5.5
Batavia, [Mead]	18.70	28.87	20.77	22.78	19	45	19	37.33	8	—18	22	— 4.00	5.3
Brighton	24.34	38.39	30.29	31.01	3	60	26	45.33	22	— 6	22	— 0.67	3.3
Carthage (*k*)	19.00	31 13	23.45	24.53	19	53	27	41.33	8	—10	8	— 6.67	.....
Edgington	21.61	32.77	25.87	26.75	19	52	19	43.67	8	*l*— 8	7	1.00	4.4
Elgin	19.64	28.39	22.16	23.40	19	46	19	39.33	8	—13	22	— 3.33	5.6
Jacksonville (*m*)	24.32	35.26	30.19	29.92	19	52	19	46.33	22	— 8	22	0.33	.....
Manchester (*n*)	22.84	36.16	25.58	28.19	27	55	27	43.00	7	*o*— 8	7	— 0.33 *l*	4.6
Marengo	20.81	28.16	23.39	24.12	19	45	19	38.33	8	*l*—10	22	— 1.33	5.4
Ottawa	20.61	30.10	24.07	24.91	19	47	19	39.33	8	—15	22	— 2.67	5.3
Pekin	20.10	32.39	23.97	25.19	27	49	12	*o* 41.00	8	—14	22	— 3.67	5.1
Peoria	23.67	33.67	27.63	28.32	27	49	27	43.17	8	— 9.5	22	2.00	4.6
Riley	18.26	27.79	20.55	22.19	19	45	19	37.67	8	—16	21	— 3.33	4.2
Sandwich	18.10	30.84	25.61	24.85	19	54	19	42.00	8	—21	8	— 5.67	4.4
Upper Alton	24.29	37.40	28.19	29.63	28	58	28	46.50	23	— 6	23	1.33	2.6
Waynesville	19.96	30.77	28.13	26.29	19	*o* 46	19	43.33	8	—20	22	— 4.33	5.6
West Salem	27.48	40.00	31.23	32.90	20	54	20	49.00	22	1	22	4.33	5.0
West Urbana	22.97	32.55	26.13	27.22	27	48	27	41.33	8	—12	22	— 0.67	4.9
Wheaton	20.25	28.62	22.97	23.95	19	43	12	38.50	8	—11	8	— 5.00	5.8
Winnebago	19.02	27.95	22.55	23.17	19	48	19	40.06	8	*l*—10	22	— 3.50	4.8
MISSOURI—													
St. Louis	28.76	39.26	32.26	33.43	27	58	27	46.83	22	— 1	22	5.67	.....
WISCONSIN—													
Appleton	16.33	25.45	19.26	20.35	19	43	19	37.67	8	—15	22	— 6.00	5.4
Bay City	8.74	18.61	10.32	12.56	19	42	19	31.33	8	—22	7	—12.33	5.3
Bayfield	11.09	17.09	12.16	13.45	19	36	19	31.33	8	*p*—14	21	—11.33	6.3
Beloit	19.74	29.45	21.77	23.65	19	48	12	37.67	22	—11	22	— 3.33	3.7
Kenosha	22.69	30.48	24.26	25.81	20	*q* 42	13	38.83	13	—10	8	3.00	4.6
Madison	17.58	24.21	20.41	20.73	19	42	19	38.00	22	—12	22	— 5.33	5.0
Manitowoc	19.77	29.87	24.74	24.79	19	*r* 48	19	40.33	8	—10	22	— 0.33	6.2
Milwaukee, [Winkler]	20.27	28.02	23.37	23.89	19	44	19	42.83	8	*l*—10	22	— 2.33	4.5
Mosinee	7.42	25.77	12.32	15.17	19	46	19	32.67	8	—32	8	—10.00	5.7
New Danemora (*s*)	.....	.....	.....	15.20	14	*b* 36	19	37.00	8	—33	8	—11.17	.....
Platteville	15.36	25.22	18.48	19.69	19	50	19	42.00	8	*l*—19	8	—11.00	4.7
Waukesha	21.62	29.07	24.86	25.18	20	46	20	42.67	8	—10	8	— 8.33	6.2

a Observations taken at 7 a. m., 2 p. m., and 8 p. m.
b Same temperature on the 20th.
c Same temperature on the 9th and 22d.
d Incomplete.
e Same temperature on the 22d and 23d.
f Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 22.13
g Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 22.24.
h Same temperature on the 9th.
i Observations taken at 6 a. m., 2 p. m., and 9 p. m.
j Observations taken at 6 a. m. and 1 p. m.
k Observations taken at 7 a. m., 1 p. m., and 7 p. m.
l Same temperature on the 22d.
m Observations taken morning, noon, and sunset.
n Observations taken at 7 a. m., 1 p. m., and 9 p. m.
o Same temperature on the 27th.
p Same temperature on the 21st.
q Same temperature on the 12th.
r Same temperature on the 25th.
s Observations taken at 6 a. m., noon, and 6 p. m.

No. 14.—THERMOMETER AND FACE OF SKY, JANUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. Date.	Temp.	WARMEST DAY. Date.	M'n temp.	LOWEST DEG. Date.	Temp.	COLDEST DAY. Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Wausaw	9.16	22.13	13.61	14.97	19	48	19	34.67	8	—31	8	—13.67	2.7
IOWA—													
Bellevue	18.03	27.64	21.26	22.31	19	46	19	40.67	8	—12	22	— 2.67	4.8
Border Plains	16.45	32.32	21.65	23.47	19	52	19	42.67	22	—11	21	— 1.33	4.4
Dubuque	18.35	26.74	23.29	22.79	19	47	19	42.00	8	—13	22	— 2.00*a*	3.7
Fairfield	19.87	32.19	24.23	25.43	19	54	19	45.00	22	—10	7	— 3.67	4.3
Fort Madison (*b*)	21.29	31.26	26.39	26.31	27	50	19	42.33	22	— 9	7	— 3.33	3.9
Muscatine	19.38	29.35	22.07	23.60	19	50	19	42.00	7	—12	7	—12.00	2.7
Pleasant Plain	18.19	32.19	22.29	24.22	19	54	19	43.33	7	—10	7	— 4.00	3.6
Rossville	13.06	22.33	16.54	17.31	19	41	19	38.37	8	—18	7	— 8.97	4.1
Sioux City (*c*)	15.27	31.46	18.14	21.02	23	48	?	?	21	—11	?	?	----
MINNESOTA—													
Beaver Bay	8.56	18.06	11.67	12.76	14	36	13	25.33	21	—19	21	—14.34	5.2
Burlington	6.52	19.87	9.23	11.87	19	43	19	34.00	7	—26	7	—19.00	4.4
Forest City	2.70	19.06	8.00	9.92	19	42	19	26.67	7	*d*—25	7	—18.67	1.2
Hazlewood	9.55	17.19	13.39	13.38	19	44	19	36.67	7	—22	7	—14.33	4.2
Kandotta (*e*)	0.83	14.87	9.06	8.25	19	38	19	30.00	22	—32	21	—22.00	2.0
Princeton	4.59	17.24	8.86	10.20	19	43	19	33.00	8	—30	7	—19.00	3.4
NEBRASKA—													
Bellevue	21.95	34.56	25.02	27.18	19	55	19	46.33	22	— 9	?	?	2.9
Brownville	21.64	36.32	26.09	28.02	19	54	19	44.00	7	9	6	2.67	3.8
Elkhorn	17.00	31.97	22.29	23.75	18	53	19	41.00	21	*d*—12	21	— 0.33	4.2
Fontenelle	16.58	32.71	24.03	24.44	19	52	4	41.67	7	*d*—12	4	41.67	1.9
Gilbert's Trading Post	2.03	15.78	4.90	7.57	31	36	15	24.33	6	—14	6	— 6.33	3.7
Omaha, [Byers]	------	------	------	------	----	------	---	------	----	------	----	------	2.9
Omaha, [Rain]	17.48	30.09	23.35	23.64	18	*f* 50	19	40.67	7	*d*—10	21	1.00	3.4
KANSAS—													
Burlingame	27.26	39.50	31.50	32.75	19	56	19	49.00	22	— 3	22	8.00	3.7
Denver City	17.00	35.87	20.52	24.46	31	62	23	43.67	6	—11	6	5.33	----
Lawrence	29.39	41.90	34.03	35.11	11	62	11	52.33	7	— 2	7	9.33	4.0
Leavenworth C'y, [Berthoud]	------	------	------	------	----	------	----	------	----	------	----	------	3.4
Leavenworth C'y, [McCarty]	25.42	36.16	29.29	30.29	19	54	19	47.00	7	— 6	7	2.67	4.5
Manhattan	25.36	39.58	29.77	31.57	19	59	19	49.33	7	— 3	7	9.67	4.8
UTAH—													
Great Salt Lake City	18.00	32.00	25.00	25.00	----	47	----	------	----	2	----	------	----
OREGON—													
Fort Vancouver	33.64	40.74	37.22	37.20	----	------	----	------	----	------	----	------	----
Portland (*g*)	34.84	41.48	38.00	38.11	19	52	19	45.00	10	20	10	29.67	----
CALIFORNIA—													
Marysville	42.93	50.16	46.00	46.36	19	60	19	54.67	9	*h* 33	9	35.33	6.1
Sacramento	41.48	48.35	44.77	44.87	19	57	18	51.67	10	34	10	36.00	6.3
MEXICO—													
Cordova (*i*)	60.84	64.40	61.57	62.56	28	72.7	----	------	8	56.1	----	------	----
Mirador	56.07	65.79	58.17	60.01	---	------	----	------	8	48.2	----	------	----
Vera Cruz (*j*)	68.34	------	67.43	67.88	----	------	----	------	----	------	----	------	----
WEST INDIES—													
Nassau, Bahamas (*k*)	------	------	------	75.82	1	81	1	81.00	10	68	10	68.50	----
St. George's, Bermuda (*l*)	------	------	------	62.10	----	69.6	----	------	----	53.1	----	------	----
CENTRAL AMERICA—													
Guatemala (*m*)	------	------	------	62.19	6	78.1	----	------	10	46.4	----	------	----
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*n*)	73.96	84.70	79.27	79.31	8	88	18	80.67	10	69	10	76.67	6.1
Chanarcillo, Chili (*o*)	61.14	73.68	61.30	65.37	20	79	----	------	29	51	----	------	----
Chanarcillo, Chili (*p*)	65.54	71 68	66.61	67.61	----	------	----	------	----	------	----	------	----
EASTERN CONTINENT—													
Jerusalem, Palestine	43.66	51.95	45.12	46.91	1	63	1	57.83	18	34	17	37.33	2.4

a Same temperature on the 7th.
b Observations taken at 6 a. m., noon, and 7 p. m.
c Incomplete.
d Same temperature on the 22d.
e Observations taken at 7 a. m., 2 p. m., and 6 p. m.
f Same temperature on the 19th.
g Observations taken at 6 a. m., noon, and 6 p. m.
h Same temperature on the 10th.
i Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean at 12 m., 62.94; at 6 p. m., 63.07.
j Observations taken from 7 to 9 a. m., and from 10 p. m. to midnight. Incomplete.
k Mean obtained from daily maximum and minimum.
l Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
m Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m.
n Observations taken at 6 a. m., 2 p. m., and 6 p. m.
o Observations taken at 6 a. m., 3 p. m., and 9 p. m.
p Observations taken at 9 a. m., noon, and 6 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	.....	.....	.....	—17.12	5	10	5	2.50	20	—48	20	—38.50	....
Hamilton (*b*)	27.70	.....	29.50	28.60	20	46	23	42.00	7	12 *c*	10	15.00	....
Montreal	16.33	23.45	18.85	19.54	19	41	18	37.20	13	—11	2	— 0.56	5.8
Moose Factory (*d*)	—13.96	5.66	—6.25	—4.85	....	32.5	....	.....	....	—40	....	.....	....
Red River Settlement	—4.24	7.65	—3.85	—1.47	25	*e* 28	25	23.33	11	—32	11	—22.67	3.9
Rigolet (*f*)	—4.25	.....	2.43	—0.91	....	.....	21	22.50	11	—22 *g*	11	—20.50	....
St. John's	22.14	26.96	23.07	24.06	5	48	5	45.67	16	8 *e*	8	11.33	7.0
St. Martin (*h*)	7.95	24.79	15.53	16.09	19	45	20	37.00	13	—23	11	— 1.53	....
Stanbridge	14.75	25.61	18.82	19.73	19	46	19	39.33	13	—13	11	— 0.33	6.1
Toronto (*h*)	23.67	29.12	25.82	26.04	18	43	23	37.55	10	4	19	9.27	7.9
Windsor	18.89	27.26	22.80	22.98	4	46	4	42.00	8	— 4	11	7.33	6.4
Wolfville	19.46	27.60	21.18	22.75	4	50	4	43.00	1	2 *i*	11	7.17	6.3
MAINE—													
Cornish	16.64	26.57	19.96	21.06	16	41	16	35.67	11	— 3 *j*	26	2.00	5.2
Cornishville	19.46	28.43	21.61	23.17	16	*k* 42	20	36.67	11	1	26	5.00	4.6
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.2
Gardiner	12.79	27.12	15.95	18.62	20	40	20	37.33	13	—10	13	1.67	6.1
Perry	18.16	25.93	22.14	22.08	4	43	20	39.17	26	— 3	11	3.67	4.9
Portland	19.46	28.02	23.71	23.40	16	43	16	36.33	11	1	26	6.16	6.5
Steuben	17.36	28.50	23.04	22.97	17	43	9	*l* 38.00	2	— 7	11	7.00	6.2
NEW HAMPSHIRE—													
Concord	22.60	44.43	25.95	30.99	17	66	17	42.67	11	6	12	18.00	6.2
Shelburne	13.11	32.42	18.78	21.47	19	51	16	*l* 39.00	13	—15	26	1.00	5.5
Stratford	12.82	25.32	17.46	18.53	19	41	20	36.33	11	—14 *c*	11	— 0.67	6.4
VERMONT—													
Brandon	19.13	29.47	22.32	23.64	19	44	20	37.67	11	—12	25	5.83	5.8
Burlington	18.52	26.46	21.68	22.22	19	43	20	37.50	13	— 5.5	2	2.00	6.2
Craftsbury	14.96	26.11	19.04	20.04	19	43	19	35.00	13	— 8	11	2.00	6.6
Rupert	22.64	34.36	29.00	28.67	21	*m* 50	24	42.00	12	— 2	12	10.67	5.7
St. Johnsbury	14.62	26.71	16.46	19.26	16	40	20	37.33	11	—22 *c*	13	—14.00	6.3
MASSACHUSETTS—													
Amherst	21.74	31.89	26.10	26.58	16	44	20	38.40	13	3	13	10.33	6.0
Cambridge	24.30	34.11	27.48	28.63	17	*n* 46	21	40.67	12	6	12	13.67?	6.7
Danvers (*o*)	23.36	35.00	26.07	28.14	16	50	16	40.00	11	6 *c*	11	12.00	6.7
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.6
Lawrence	22.75	31.75	26.14	26.88	16	*p* 45	20	40.00	11	0	11	11.60	6.7
Mendon	25.14	32.39	26.71	28.08	20	46	20	42.67	11	4	11	13.33	5.7
Nantucket	34.16	39.71	34.57	36.15	9	*q* 48	20	46.00	11	16	11	22.33	6.5
New Bedford	28.93	35.83	29.98	31.58	9	*r* 44	20	43.33	13	14	11	16.33	6.7
Richmond	19.43	27.46	23.86	23.58	16	*l* 40	19	40.67	13	— 2	12	6.00	5.2
Westfield	21.93	31.75	26.00	26.56	23	48	16	38.67	27	4	13	11.00	6.5
Williamstown	23.54	29.36	24.96	25.95	23	44	20	38.00	13	0	13	10.00	6.9
Worcester	24.87	33.78	28.30	28.98	16	*q* 48	16	44.67	13	11	11	*c* 16.17	6.2
RHODE ISLAND—													
Providence (*s*)	29.10	35.70	30.10	31.63	23	51	23	41.33	13	14	....	?	6.1
CONNECTICUT—													
Columbia	26.96	36.68	24.93	29.52	23	58	23	41.67	11	8	11	15.00	5.9
Middletown	25.19	37.75	27.59	30.18	23	56	23	42.67	13	9	13	17.67	6.1
Pomfret	23.43	30.89	26.83	27.05	20	43	20	41.10	11	8	11	13.67	6.0
Saybrook	28.07	34.07	30.00	30.71	23	46	23	39.00	11	15	11	18.33	6.3
Wallingford	24.52	34.27	27.89	28.89	23	53	23	41.00	14	8	13	16.50	5.6
NEW YORK—													
Bellport	31.04	37.04	33.25	33.78	22	49	16	42.67	11	17 *c*	12	20.00	5.7
Beverly	25.04	33.08	28.73	28.95	23	53	....	?	13	11	11	15.33	6.4

a Register thermometer.
b Observations taken at 9 a. m. and 9 p. m.
c Same temperature on the 13th.
d Observations taken at sunrise, 2 p. m., and 10 p. m.
e Same temperature on the 26th.
f Observations taken at sunrise and sunset.
g Same temperature on the 12th and 26th.
h Observations taken at 6 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 8th.
j Same temperature on the 15th.
k Same temperature on the 19th.
l Same temperature on the 20th.
m Same temperature on the 24th.
n Same temperature on the 22d.
o Observations taken at 7 a. m., 1 p. m., and 9 p. m.
p Same temperature on the 28th.
q Same temperature on the 23d.
r Same temperature on the 16th, 20th, and 28th.
s Observations taken at sunrise, 1 p. m., and 10 p. m.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	28.85	32.62	29.58	30.30	19	50	19	45.00	13	15	----	?	6.6
Flatbush	28.60	37.07	31.42	32.36	23	55	23	41.50	11	16	11	20.80	6.5
Nichols	23.25	36.68	28.00	29.31	23	55	20	42.00	5	4	10	13.00	7.1
Oswego	24.11	32.36	27.04	27.84	23	48	23	41.67	13	8	10	15.33	7.0
Penn Yan (*b*)	24.54	36.43	29.71	30.23	23	55	23	45.67	13	5	10	8.67	2.3
Rochester, [Dewey]	28.64	34.32	30.36	31.11	20	59	20	50.33	13	14	10	15.00	8.1
Wampsville	23.14	32.75	25.46	27.12	27	49	19	41.67	13	*c* 3	10	10.00	7.9
Waterford	22.64	32.66	26.43	27.24	23	49	16	40.00	13	3.5	25	13.16	6.3
NEW JERSEY—													
Freehold	30.50	40.32	32.95	34.59	24	59	21	45.67	13	18	13	*c* 24.67	----
Lambertville	26.78	40.08	31.79	32.88	23	60	20	46.13	8	15	11	22.63	4.0
Newark (*d*)	------	------	------	32.81	23	57	20	45.13	8	12	11	22.00	----
PENNSYLVANIA—													
Bellefonte	29.64	40.54	32.89	34.36	23	58	23	45.33	7	*e* 16	7	24.00	7.5
Berwick	27.93	35.18	31.43	31.51	23	57	23	43.67	5	10	5	20.00	5.4
Cannonsburg	32.89	39.28	37.50	36.57	23	58	23	51.00	14	19	4	25.67	7.9
Carlisle	30.19	38.00	32.63	33.57	20	*f* 57	20	*f*45 33	5	15	5	24.00	6.3
Chambersburg	30.93	40.04	33.86	34.94	22	58	20	47.33	5	19	7	25.33	6.8
Chromedale	30.43	40.14	34.50	35.02	23	65	20	51.00	8	17	11	24.33	6.1
Easton (*g*)	27.11	37.61	28.07	30.93	23	60	23	44.67	11	12	11	17.00	6.3
Fleming	26.46	40.10	29.60	32.05	23	58	23	45.67	7	9	10	20.33	6.9
Gettysburg	28.86	40.09	31.75	33.57	23	59	20	49.00	5	12	11	22.33	6.2
Harrisburg, [Heisely]	32.57	39.25	35.67	35.83	23	56	23	46.33	11	24	11	26.00	6.5
Harrisburg, [Hickok]	30.96	38.93	33.64	34.51	23	58	20	47.67	27	20	12	24.83	6.7
Lewisburg	27.03	37.61	30.27	31.64	23	58	20	42.40	5	6	5	17.13	7.3
Linden (*h*)	25.67	34.77	28.77	30.39	23	52	27	44.00	5	4	----	?	----
Morrisville	28.46	39.93	31.86	33.42	23	62	20	47.00	11	16	11	21.33	5.3
Mount Joy	30.05	41.77	34.48	35.43	23	63	20	51.83	27	15½	11	24.33	5.8
Murrysville	28.63	38.54	30.71	32.63	19	*f* 57	19	48.00	5	12	10	19.00	7.5
Norristown	29.60	37.37	31.89	32.95	23	58	23	44.00	8	14	11	21.70	5.8
North Whitehall (*i*)	25.93	38.96	33.07	32.65	23	56	23	43.33	5	8	11	20.67	6.4
Philadelphia	32.70	40.64	35.99	36.44	23	62	20	49.67	11	20	11	22.80	6.1
Pittsburg, [Marine Hospital]	30.46	38.50	33.89	34.28	23	55	19	47.33	14	14	11	21.67	7.4
Pocopson	29.25	39.82	33.32	34.13	23	60	20	49.67	27	17	11	22.67	6.5
Shamokin	25.54	36.64	30.50	30.89	20	*f* 54	20	46.67	5	6	11	18.67	6.4
Somerset	28.50	38.89	30.29	32.56	23	59	23	48.33	11	12	11	18.33	7.9
Tarentum	28.74	40.18	32.54	33.82	19	*f* 58	19	48.67	5	8	7	21.00	7.3
West Haverford	31.50	40.54	------	36.02	23	59	20	52.00	7	19	11	23.00	6.1
Westtown	29.25	38.14	32.56	33.32	23	59	23	46.50	8	16	11	20.50	6.2
Worthington (*j*)	26.75	38.00	33.25	32.67	23	60	23	48.00	7	9	7	*k* 20.33	----
MARYLAND—													
Annapolis	33.36	42.66	39.36	38.46	20	61	20	54.33	1	*l* 21	11	28.00	6.5
Baltimore	35.07	43.05	38.20	38.77	20	62	20	54.33	11	24	11	27.33	6.6
Bladensburg	31.24	42.57	35.12	36.31	20	64	----	?	1	*m* 19	----	?	*l* 7.1
Chestertown	32.86	41.33	34.32	36.17	23	58	21	51.00	11	21	11	24.00	6.6
Frederick	33.12	41.37	35.94	36.81	23	58	20	49.17	5	20	10	27.50	6.5
Leitersburg	28.93	41.32	32.79	34.35	23	62	20	51.00	5	6	5	23.33	5.8
Leonardtown	31.89	44.74	37.93	38.19	23	60	20	54.00	11	*c* 22	11	28.33	5.8
Sykesville	32.11	42.79	31.29	36.40	23	61	20	51.67	5	16	5	21.33	5.6
DISTRICT OF COLUMBIA—													
Washington	35.11	44.18	38.82	39.38	20	63	20	54.33	11	23	11	28.33	6.2
VIRGINIA—													
Crichton's Store (*n*)	41.13	48.58	50.71	46.91	17	*o* 64	20	? 63.00	11	26	11	32.33	6.1
Cross Creek	28.50	39.92	30.74	33.05	19	69	23	48.33	14	4	10	17.67	----
Hartwood	35.82	45.32	38.43	39.86	20	64	20	56.00	11	21	10	28.00	----

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 14th.
d Daily maximum and minimum.
e Same temperature on the 8th.
f Same temperature on the 23d.
g Observations taken at 8 a. m., 2 p. m., and 10 p. m.
h Observations taken at 7 a. m., 1 p. m., and 9 p. m. Incomplete.
i Observations taken at sunrise, noon, and sunset.
j Observations taken at morning, noon, and evening.
k Same temperature on the 10th and 11th.
l Same temperature on the 5th.
m Same temperature on the 5th and 11th.
n Observations taken at 8½ a. m., noon, and 4½ p. m.
o Same temperature on the 21st and 28th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Kanawha	37.15	47.61	40.31	41.69	19	66	19	60.00	5	18	10	25.67	....
Lewinsville	38.48	44.57	39.86	40.97	23	64	20	54.33	11	26	10	28.33	6.3
Lewisburg	33.29	45.46	36.46	38.40	18	*a* 64	18	54.67	7	13	10	19.00	6.0
Meadow Dale	28.54	39.04	34.57	34.05	23	56	18	48.67	5	— 6	10	18.33	6.3
Montross	35.18	45.38	37.54	39.37	20	66	20	53.33	1	*b* 22	7	*c* 28.67	5.9
Montview	35.68	47.38	40.96	41.34	23	64	28	58.33	1	*d* 22	7	*e* 30.00	5.0
Point Pleasant	30.04	46.93	36.39	37.79	17	*f* 57	18	47.00	8	17	7	27.00	6.6
Poplar Grove	36.57	49.43	39.02	41.67	27	71	19	59.33	7	17	10	26.67	6.6
Portsmouth	43.32	53.07	44.43	46.94	20	73.5	20	63.50	11	29.5	10	34.50	4.6
Rose Hill	.....	.....	.....	.....	....	64	....	.....	....	27	.....	.....	....
Rougemont	34.54	48.54	38.36	40.48	23	67	20	*g* 53.67	5	*h* 20	11	28.33	6.0
Ruthven	37.31	49.79	40.84	42.65	20	68	?	?	14	21	?	?	5.1
Smithfield	38.03	50.39	41.59	43.34	20	70	20	60.80	1	*i* 23	11	31.40	6.4
Stribling Springs	26.25	42.33	27.46	32.08	28	62	20	45.33	7	6	7	16.00	5.8
Westwood	37.50	49.04	42.00	42.85	20	68	16	57.33	11	24	11	31.67	....
Winchester	32.50	45.18	35.68	37.79	20	64	20	53.00	5	*j* 20	10	24.67	5.6
NORTH CAROLINA—													
Chapel Hill	38.29	53.11	44.14	45.18	20	*k* 70	16	*l* 58.00	5	*m* 26	7	33.33	6.4
Davidson College	39.65	51.76	44.90	45.44	24	71	?	?	7	27	?	?	6.0
Green Plains	38.82	51.46	41.68	43.99	20	70	20	60.00	1	21	11	32.00	....
Murfreesborough	40.44	52.00	45.70	46.05	20	72	20	62.00	1	26	7	34.00	5.0
SOUTH CAROLINA—													
Aiken	43.12	57.44	47.61	49.39	19	79	19	68.67	1	27	8	34.67	5.4
All Saints	46.07	59.36	51.32	52.25	25	74	20	66.00	1	27	1	40.00	5.1
Charleston, [Johnson]	50.07	61.64	55.36	55.69	25	77	25	66.33	4	37	1	*n* 46.33	....
Columbia, [Barton]	44.29	56.73	48.75	49.92	19	78	19	67.83	1	27	8	37.50	6.6
Columbia, [White]	45.75	56.75	51.14	51.21	19	76	19	70.67	5	28	1	33.00	5.4
St. John's (*o*)	41.13	61.28	47.13	49.85	18	76	?	?	1	25	?	?	5.2
GEORGIA—													
Athens	42 64	55.49	48.74	48.96	18	75	25	65.63	5	24	10	37.60	6.1
Atlanta	44.32	51.32	44.14	46.59	19	72	19	64.67	4	*p* 30	8	*q* 34.67	5.8
Savannah	49.27	62.72	55.15	55.71	25	80	25	71.33	1	37	10	44.87	4.4
Sparta	45.68	59.79	50.54	52.00	19	*r* 78	25	70.33	5	28	8	38.67	5.5
Thomaston	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.6
Thomson	42.67	58.11	48.56	49.78	25	79	25	69.84	5	22	8	33.67	6.2
Whitemarsh Island	50.32	62.46	55.75	56.18	25	80	25	70.67	4	37	10	46.33	4.3
Zebulon	49.33	57.40	53.30	53.34	17	70	24	66.50	10	31	10	40.67	5.4
FLORIDA—													
Alligator	50.56	70.96	57.00	59.51	24	84	27	72.67	14	34	4	46.33	3.4
Atsena	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.3
Belair	51.68	68.86	59.21	59.92	18	82	25	*s* 74.00	4	30	4	44.67	4.0
Gainesville	53.39	62.89	60.00	58.76	27	*t* 79	27	*t* 72.67	4	36	4	46.00	3.1
Jacksonville	54.04	68.00	58.39	60.14	19	79	20	70.67	5	*i* 39	4	*u* 49.33	4.2
Micanopy	52.82	73.42	58.11	61.45	28	86	28	74.00	5	35	4	47.33	4.0
St. Augustine	60.57	68.93	60.50	63.33	25	81	25	72.00	4	46	4	52.00	3.4
Salt Ponds (*v*)	71.11	77.57	.....	74.34	26	*s* 84	26	*s* 80.00	5	60	4	62.00	2.8
Seville	51.54	.....	.....	.....	20	76	?	?	10	38	?	?	6.2
ALABAMA—													
Carlowville	49.96	64.14	54.64	56.25	18	76	18	68.00	10	34	10	43.33	5.0
Greene Springs	48.87	60.32	51.19	53.46	18	79	18	72.33	7	*q* 26	10	32.67	6.1
Greensborough	49.54	60.50	52.40	54.15	25	78	19	71.50	7	26	?	?	5.7
Montgomery	48.96	62.59	53.33	54.96	18	79	18	70.33	10	26	10	36.67	5.4
Selma	49.96	60.46	55.46	55.29	19	78	19	71.67	7	*q* 30	10	36.67	6.7

a Same temperature on the 19th.
b Same temperature on the 11th and 14th.
c Same temperature on the 11th.
d Same temperature on the 5th and 8th.
e Same temperature on the 8th and 11th.
f Same temperature on the 22d.
g Same temperature on the 23d.
h Same temperature on the 7th and 11th.
i Same temperature on the 14th.
j Same temperature on the 7th, 10th, and 14th.
k Same temperature on the 24th.
l Same temperature on the 18th and 20th.
m Same temperature on the 7th, 8th, and 11th.
n Same temperature on the 7th.
o Incomplete.
p Same temperature on the 7th and 10th.
q Same temperature on the 10th.
r Same temperature on the 25th.
s Same temperature on the 27th.
t Same temperature on the 28th.
u Same temperature on the 5th.
v Thermometer 2½ to 2¾ degrees too high.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MISSISSIPPI—													
Columbus	46.11	57.49	50.56	51.40	19	76	19	70.43	10	24	10	31.77	5.4
Natchez	50.33	69.80	58.30	59.47	18	*a* 78	18	72.00	10	30	10	42.33	6.3
Paulding	50.98	65.55	57.89	58.14	18	83	18	75.83	7	27	10	39.50	5.9
LOUISIANA—													
Black River	53.93	66.75	59.72	60.13	18	*b* 82	18	75.67	10	33	10	43.33	7.2
New Orleans (*c*)	61.75	66.14	69.25	65.71	18	82	25	79.00	10	43	10	47.00	....
TEXAS—													
Austin, [Palm]	53.21	67.57	58.65	59.81	19	83	19	74.67	9	32	9	40.00	6.6
Austin, [Van Nostrand]	53.18	67.22	59.48	59.96	19	82	19	74.60	9	32	9	40.63	7.3
Larissa	53.02	63.64	57.69	58.12	15	79	17	73.33	9	29	9	36.83	5.1
New Braunfels	54.04	68.43	57.79	60.09	17	*d* 81	17	72.50	9	33	9	47.03	0.4
Northern tier of counties (*e*)	42.89	63.80	49.85	52.45	....	.....	....	.....	....	.....	....	.....	....
Roundtop	56.00	71.00	66.00	64.33	....	82	....	.....	....	34	....	.....	....
Sisterdale	51.12	65.95	54.67	57.25	17	78	17	70.73	6	31	9	39.46	6.8
Union Hill	53.43	67.14	58.64	59.74	24	81	17	73.00	9	29	9	36.33	7.4
Washington	55.31	68.89	59.64	61.28	24	83	24	77.00	9	32	3	46.00	6.1
Webberville	57.32	69.62	64.27	63.74	19	82	19	78.00	9	35	9	43.00	5.3
ARKANSAS—													
Washington (*f*)	44.86	60.00	.....	52.43	23	80	19	74.00	6	27	6	34.50	....
TENNESSEE —													
Glenwood	39.20	48.17	43.59	43.65	19	74	19	67.10	10	13	10	20.57	7.1
La Grange	43.87	53.18	48.14	48.40	19	76	19	70.85	6	20	6	27.67	6.5
Memphis	43.32	52.43	48.50	48.08	19	73	19	68.00	10	21	6	*g* 28.67	....
KENTUCKY—													
Bardstown	35.84	44.62	40.11	40.19	19	72	19	67.33	7	12	4	19.16	7.0
Danville	35.75	48.14	40.54	41.48	19	70	19	65.33	5	13	4	21.00	7.0
Louisville (*h*)	34.00	45.29	39.75	39.68	19	73	19	66.33	7	15	4	20.33	7.5
Paris	31.35	44.00	41.05	38.80	19	68½	19	64.83	7	3	4	19.83	7.1
Springdale (*i*)	33.04	44.89	41.04	39.66	19	71	19	66.83	7	9	4	20.83	7.7
OHIO—													
Avon	29.95	37.79	32.52	33.42	19	61	19	55.53	7	7	10	16.67	7.1
Bellefontaine	25.78	35.30	29.23	30.10	19	56	19	53.10	10	1	10	10.33	7.1
Bowling Green	27.05	37.84	31.54	32.14	19	57	19	54.33	7	0	10	16.00	6.0
Cincinnati, [Harper]	34.68	48.82	40.61	41.37	23	74	19	62.67	7	16	4	22.67	6.5
Cincinnati, [Phillips]	36.14	43.89	40.92	40.32	19	68	19	62.00	7	14	4	25.00	7.0
Cleveland	27.78	35.93	30.39	31.37	19	57	19	50.00	7	6	10	15.67	7.8
College Hill	31.61	39.32	33.96	34.96	19	64	19	60.67	5	*k* 16	5	18.00	7.2
Collingwood	27.86	38.00	31.86	32.57	22	68	19	*l* 51.33	7	4	10	13.33	....
Hillsborough	30.66	38.68	35.59	34.98	19	62	19	58.50	10	11	10	16.30	7.0
Hiram	26.87	35.73	29.39	30.67	23	57	19	47.33	7	*g* 10	10	13.33	7.4
Hudson (*m*)	27.50	35.92	30.65	31.36	19	56.5	19	49.57	7	7.6	10	16.47	6.8
Jackson, [Monroe county]	31.32	41.36	35.25	35.98	27	60	19	54.00	14	13	....	?	6.9
Madison, [Atkins]	29.25	38.28	32.00	33.18	19	58	19	51.33	2	7	....	?	7.8
Madison, [King]	28.50	36.54	29.57	31.54	23	54	19	47.67	7	4	7	18.33	7.7
Montville	27.70	35.33	30.84	31.29	19	58	19	52.50	10	7	6	18.50	7.1
New Lisbon	34.07	47.39	37.28	39.58	19	*n* 64	19	57.33	8	7	8	21.67	6.0
Northwood	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.5
Portsmouth	34.25	46.75	39.35	40.12	19	69	19	63.00	7	18	4	24.33	6.6
Ripley	32.93	.....	38.82	35.87	19	65	19	60.33	7	13	....	?	8.0
Rockport	31.04	42.00	35.21	36.08	23	65	23	53.00	7	10	10	22.00	....
Savannah	26.96	37.43	29.93	31.47	23	60	19	53.00	7	— 5	10	12.67	7.3
Troy	27.50	38.68	35.01	33.74	19	60	19	56.00	10	9	10	15.67	7.5
Urbana	27.39	39.50	30.57	32.49	19	61	19	57.00	10	7	10	14.00	6.8
Welchfield	26.39	36.89	28.75	30.68	23	59	19	48.00	10	*o* 9	10	15.00	6.5
Westerville	29.16	38.59	34.37	31.04	23	59	19	55.50	7	8	10	16.83	6.6
Windham	26.50	36.04	30.36	30.97	22	56	19	46.33	7	0	7	16.67	....

a Same temperature on the 19th.
b Same temperature on the 19th and 26th.
c Observations taken at 9 a. m., noon, and 3 p. m.
d Same temperature on the 24th.
e Observations taken at 7 a. m., 2 p. m., 7 p. m., and 9 p. m. Mean at at 7 p. m., 53.26.
f Observations taken at sunrise and 2 p. m.
g Same temperature on the 10th.
h Observations taken at 7 a. m., 3 p. m., and 9 p. m.
i Observations taken at 7 a. m., 2 p. m., and 6 p. m.
k Same temperature on the 7th.
l Same temperature on the 22d.
m The records of the thermometer at this place are 0.85 too high.
n Same temperature on the 23d.
o Same temperature on the 14th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MICHIGAN—													
Battle Creek	24.00	36.71	28.04	29.58	22	50	22	41.67	14	3	6	15.00	5.8
Detroit	28.50	36.18	29.21	31.30	19	55	19	47.67	10	7	10	9.67	6.6
Lansing (*a*)	24.35	33.50	28.14	28.66	19	57	19	49.00	14	7	10	14.00	3.9
Marquette	15.28	26.89	17.26	19.81	16	45	17	37.03	11	—10	11	— 1.75	5.2
Monroe, [Whelpley]													7.4
New Buffalo	26.43	36.21	31.15	31.26	19	62	19	57.33	6	9	....	?	7.9
Ottawa Point (*b*)	21.46	30.46	27.82	25.63	18	44	18	37.75	11	— 5	11	9.00	7.3
Port Huron	25.42	35.89	28.96	30.09	19	*c* 52	19	45.67	7	0	10	16.00	7.4
Thunder Bay Island (*d*)	21.27	25.18	23.91	23.36	22	37	18	35.37	4	1	4	3.00	7.0
Ypsilanti	23.88	35.18	28.71	29.26	19	54	19	46.16	14	2	10	14.00	7.0
INDIANA—													
Aurora (*e*)	32.07	44.43	39.18	38.56	19	67	19	63.00	7	12	4	29.00	....
Cannelton	35.76	43.63	39.01	39.47	19	67	19	63.40	4	17	4	18.10	6.5
Logansport	29.82	40.25	33.46	34.51	19	67	19	62.33	10	14	4	17.67	7.2
New Harmony	32.89	43.25	38.29	38.14	19	72	19	65.33	10	9	4	17.67	6.4
Richmond, [Moore]	29.77	38.80	33.65	34.07	19	63	19	59.80	10	10	4	16.80	7.1
ILLINOIS—													
Augusta	24.78	36.68	29.78	30.41	19	70	19	53.67	4	— 3	9	5.00	5.0
Aurora	22.25	34.46	27.43	28.05	19	66	19	52.67	13	— 8	9	6.00	5.6
Batavia, [Capon]	22.54	36.43	27.18	28.72	19	68	19	53.33	13	— 2	9	8.33	6.1
Batavia, [Mead]	20.53	33.39	24.78	26.23	19	65	19	51.33	13	— 3	9	3.33	5.9
Brighton	26.68	41.71	34.36	34.25	19	68	18	51.67	4	0	4	4.00	4.9
Carthage (*f*)	24.86	35.79	29.64	30.10	19	64	22	41.33	9	— 2	9	2.67	....
Edgington	23.21	35.75	27.46	28.81	19	61	19	50.00	9	- 4	9	3.33	5.6
Elgin	20.13	32.68	25.50	26.20	19	66	19	52.00	13	— 4	9	3.33	6.2
Manchester (*g*)	25.96	40.29	30.04	32.10	19	74	19	56.07	4	*h* 0	9	9.33	5.6
Marengo	20.79	32.04	25.82	26.22	19	64	19	51.33	10	— 2	9	4.00	5.9
Ottawa	22.37	34.92	28.48	28.59	19	67	19	54.00	10	0	9	6.00	5.7
Pekin	22.86	37.68	28.29	29.61	19	71	19	53.67	10	— 2	9	5.33	5.9
Peoria	27.06	38.15	31.50	32.24	19	70	19	56.50	10	2	9	8.00	5.8
Riley	21.44	32.12	24.19	25.92	19	62	19	49.33	9	*i* 0	9	1.67	4.7
Sandwich	22.39	33.53	25.75	27.22	19	66	19	53.33	10	*i* 0	9	5.33	5.2
Upper Alton	29.79	43.00	34.36	35.72	19	74	19	61.00	4	5	9	12.33	....
Waynesville	23.54	36.57	32.25	30.79	19	70	19	62.17	4	— 6	4	2.67	6.1
West Salem	32.29	43.68	37.36	37.78	19	77	19	69.67	10	7	4	13.67	6.5
West Urbana	26.64	38.89	30.29	31.94	19	72	19	58.67	4	*h* 2	4	9.00	6.3
Wheaton	22.78	32.62	26.48	27.29	19	65	19	52.30	13	— 1	9	4.67	6.0
Winnebago	21.51	31.87	25.53	26.30	19	64	19	50.33	13	— 5	9	2.83	5.6
MISSOURI—													
St Louis, [Engelman]	32.41	43.59	37.48	37.83	19	76	19	60.67	10	8	4	*h* 18.83	5.9
St. Louis, [Fendler]	31.14	43.57	36.04	36.92	19	76	19	60.00	10	5	9	16.33	....
WISCONSIN—													
Appleton	18.37	31.00	22.11	23.83	22	56	19	45.67	6	— 2.5	9	3.00	4.9
Bay City	5.79	21.93	11.64	13.12	17	46	17	36.67	12	—30	9	—10.67	3.5
Bayfield	10.67	21.57	14.39	15.54	17	45	17	36.33	12	—15	9	— 5.67	5.1
Beloit	21.07	35.42	25.28	27.26	19	66	19	51.67	13	— 5	9	4 00	4.7
Kenosha	23.77	32.88	27.91	28.19	19	55	19	46.50	10	0	9	4.67	4.6
Madison, [Sterling]	19 93	29.11	24.46	24.50	19	56	19	45.00	9	— 5	9	— 1.33	5.8
Manitowoc	24.50	33.00	27.32	27.29	19	52	19	44.67	10	— 2	9	7.33	6.3
Milwaukee, [Pomeroy]	25.71	34.14	28.54	29.46	20	47	22	43.33	10	3	9	12.33	8.1
Milwaukee, [Winkler]	22.89	31.77	26.21	26.96	19	50	19	46.33	9	— 2	9	2.67	5.2
Mosinee	10.68	33.18	15.22	19.69	22	56	19	37.67	6	—20	10	6.00	5.5
New Danemora (*j*)	11.79	29.25	22.82	21.29	18	45	17	40.00	6	—15.5	9	— 4.00	....
Platteville	19 36	32.07	24.04	25.16	19	60	19	47.33	9	—10	9	5.33	5.0
Wausaw	16.18	31.21	19.86	22.42	22	59	19	37.67	8	— 8	8	— 2.00	4.0
IOWA—													
Bellevue	19.00	33.39	25.21	25.87	17	*k* 58	17	48.00	13	— 6	9	1.33	5.7
Border Plains	16.13	32.57	21.11	23.37	22	56	22	42.67	13	—11	9	— 2.33	....

a Observations taken at 7 a. m., 2 p. m., and 8 p. m.
b Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 at 9 a. m., 24.59.
c Same temperature on the 23d.
d Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 23.09.
e Observations taken at 6 a. m., 2 p. m., and 7 p. m.
f Observations taken at 7 a. m., 1 p. m., and 7 p. m.
g Observations taken at 7 a. m., 1 p. m., and 9 p. m.
h Same temperature on the 10th.
i Same temperature on the 13th.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Same temperature on the 19th.

No. 15.—THERMOMETER AND FACE OF SKY, FEBRUARY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
IOWA—Continued.	°	°	°	°		°		°		°		°	
Burlington	26.67	37.67	31.50	31.95	19	58	19	49.00	9	0	9	5.33	6.1
Dubuque	19.68	31.82	26.32	25.94	19	*a* 52	19	45.00	9	— 7	9	0.00	4.4
Fairfield	22.39	34.11	26.30	27.60	22	57	22	46.67	4	— 5 *b*	9	0.67	5.6
Fort Madison (*c*)	22.32	34.96	29.35	28.88	19	61	19	50.67	6	— 4	9	2.33	4.8
Muscatine	19.46	33.21	24.43	25.37	2	56	19	45.33	13	—13	9	— 1.33	4.4
Pleasant Plain	18.54	36.07	24.74	26.45	17	*d* 56	17	*e* 44.00	13	—10	9	0.00	5.1
Rossville	15.87	29.03	21.53	22.14	22	48	22	38.90	9	—11	9	— 6.60	4.9
MINNESOTA—													
Beaver Bay	7.80	21.63	14.80	14.74	17	37	17	33.33	10	—15 *f*	9	— 7.00	3.9
Burlington	7.00	26.18	13.82	15.67	17	48	17	37.67	11	—20	9	— 7.33	3.6
Forest City	7.79	25.07	10.46	14.44	18	45	18	34.00	9	—20	9	— 8.67	1.8
Hazlewood	9.75	22.46	12.58	14.93	18	45	18	37.67	9	—20	9	—13.67	4.9
Kandotta (*g*)	1.57	20.60	13.10	11.75	22	42	24	29.33	9	—27	9	—11.00	3.6
Princeton	7.82	25.25	14.71	15.93	23	*h* 42	18	*h*33.33	7	—20	10	—10.00	3.8
NEBRASKA—													
Bellevue	18.75	33.07	24.11	25.31	21	*i* 55	21	42.67	12	—10	12	1.33	?
Brownville	20.07	36.29	24.39	26.92	22	57	26	44.00	12	—17	12	0.67	3.8
Elkhorn	14.96	28.86	20.46	21.43	22	53	22	41.00	12	—18	12	— 4.67	4.4
Fontenelle	14.86	31.61	24.04	23.50	22	54	22	44.67	12	—15	9	— 1.33	2.8
Omaha, [Byers]	------	------	------	------	----	------	----	------	----	------	----	------	2.8
Omaha, [Rain]	16.21	28.29	21.60	22.03	22	50	18	38.00	12	—15	12	— 5.67	4.3
KANSAS—													
Burlingame	27.10	40.75	31.40	33.08	1	*j* 58	23	48.00	12	— 6	9	12.67	2.8
Lawrence (*k*)	32.18	46.05	35.36	37.86	1	*j* 60	17	49.67	4	8	?	?	4.1
Leavenworth City	------	------	------	------	----	------	----	------	----	------	----	------	3.6
Manhattan	25 61	42.46	30.18	32.75	22	63	18	52.00	12	— 5	11	11.67	4.6
UTAH—													
Great Salt Lake City	38.00	43.00	40.00	40.33	----	48	----	------	----	16	----	------	----
OREGON—													
Fort Vancouver	36.57	43.00	38.85	39.47	----	------	----	------	----	------	----	------	----
Portland (*l*)	36.78	43.18	39.61	39.86	5	54	5	49.33	13	28	13	33.33	----
CALIFORNIA—													
Marysville	47.85	56.07	51.00	51.64	7	65	7	59.33	19	39	19	47.33	5.4
Sacramento	46.96	54.29	50.25	50.50	5	62	5	57.33	22	39	22	44.67	5.6
San Francisco	48.29	54.82	49.57	50.89	5	66	5	61.00	19	*i* 43	18	*i* 47.33	4.6
MEXICO—													
Cordova (*m*)	66.65	71.26	67.87	69.01	28	78.1	----	------	7	60.1	----	------	----
Mirador (*n*)	59.63	74.64	64.67	66.31	----	------	----	------	7	50	----	------	----
Vera Cruz (*o*)	72.05	------	73.25	72.65	----	------	----	------	----	------	----	------	----
WEST INDIES—													
Centre Signal Station, Ber. (*p*)	------	67.30	------	------	26	*q* 71	----	------	1	*r* 58	----	------	----
Nassau, Bahamas (*s*)	------	------	------	76.41	28	82	28	81.50	14	72	14	72.00	----
St. George's, Bermuda (*t*)	------	------	------	62.3	----	69.3	----	------	----	52.1	----	------	----
CENTRAL AMERICA—													
Guatemala (*u*)	------	------	------	64.74	28	81.7	----	------	5	46.6	----	------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*l*)	74.87	84.57	79.21	79.55	2	*v* 87	27	81.67	20	70	3	77.00	5.2
Chanarcillo (*l*)	59.81	72.72	67.04	66.52	8	80	----	------	5	51	----	------	----
Chanarcillo, Chili (*w*)	66.65	74.50	60.96	67.37	----	------	----	------	----	------	----	------	----
EASTERN CONTINENT—													
Jerusalem, Palestine	47.29	56.55	47.75	50.53	10	69	10	58.00	4	38	3	42.00	1.9

a Same temperature on the 21st and 22d.
b Same temperature on the 9th.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Same temperature on the 19th, 22d, and 26th.
e Same temperature on the 19th.
f Same temperature on the 12th.
g Observations taken at 7 a. m., 2 p. m., and 6 p. m.
h Same temperature on he 24th.
i Same temperature on the 22d.
j Same temperature on the 18th.
k Incomplete.
l Observations taken at 6 a. m., noon, and 6 p. m.
m Observations taken at 9 a. m., 12 m., 3 p. m , 6 p. m., and 9 p. m. Mean at 12 m., 69.42; mean at 6 p. m., 69.87.
n Observations taken at 7 a. m., 2 p. m., and 8 p. m.
o Observations taken from 7 to 9 a. m., and from 10 p. m. to midnight.
p Observations taken at noon.
q Same temperature on the 27th.
r Same temperature on the 2d.
s Mean obtained from daily maximum and minimum.
t Observations taken at 3¼ a. m., 9½ a.m.. 3½ p. m., and 9½ p. m.
u Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
v Same temperature on the 6th, 9th, and 27th.
w Observations taken at 9 a m., 3 p. m., and 9 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	-------	-------	-------	—8.85	24	*b* 45	24	*b* 30.00	9	—36	2	—16.00	----
Hamilton (*c*)	37.10	-------	38.53	37.81	24	56	24	49.00	1	23	1	23.50	----
Montreal	30.23	37.96	33.03	33.74	18	50	18	47.83	3	— 5	2	4.96	6.1
Moose Factory (*d*)	6.82	22.48	13.58	14.29	----	40	----	-------	----	—25	----	-------	----
Red River Settlement	12.81	26.93	-------	19.87	19	42	19	34.00	27	— 4	27	2.00	3.4
Rigolet (*e*)	16.10	-------	21.87	18.98	28	38	20	39.50	3	—20	3	—15.50	----
St. John's	32.29	37.84	32.65	34.26	15	*b* 48	28	43.67	4	7	4	15.67	6.1
St. Martin (*f*)	24.18	38 75	30.34	31.09	25	52	2	43.07	2	—19	1	0.30	5.7
Stanbridge	27.94	37.90	30.03	31.96	29	52	29	47.00	2	—15	2	2.00	6.4
Toronto (*f*)	33.10	39.14	36.32	36.19	24	52	24	46.45	2	10	1	18.32	6.5
Windsor	28.29	36.53	31.14	31.99	30	51	26	46.67	2	— 4	2	2.33	6.6
Wolfville	30.64	38.79	32.16	33.83	30	50	27	45.17	2	— 5	2	2.17	6.5
MAINE—													
Cornish	27.39	36.10	30.19	31.23	13	*g* 46	13	40.67	2	— 4	2	5.66	5.1
Cornishville	29.41	36.87	31.58	32.62	10	*h* 44	19	39.00	2	0	1	*i* 9.33	5.0
Dexter	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.1
Gardiner	27.55	38.13	32.08	32.59	17	48	30	42.33	3	— 8	2	9.00	5.6
Perry	28.32	37.89	30.68	32.04	13	50	19	43.67	2	— 5	2	4.00	4.9
Portland	29.74	37.10	33.56	33.47	13	*j* 48	13	42.00	2	*k* 4	2	10.83	5.5
Steuben	29.29	36.84	31.35	32.49	30	47	29	41.00	2	— 1	2	8.33	5.7
NEW HAMPSHIRE—													
Shelburne	27.50	43.06	33.44	34.67	17	61	17	44.33	3	—10	3	15.67	7.2
Stratford	24.84	36.94	29.00	30.26	11	*l* 48	28	42.00	3	—12	2	0.67	6.4
VERMONT—													
Brandon	29.84	40.67	32.44	34.32	29	56	29	47.67	2	*k* 4	2	7.67	6.2
Burlington	29.34	38.02	33.60	33.65	28	*m* 52	18	46.83	3	3	2	4.33	6.3
Craftsbury	26.00	37.03	30 16	31.06	28	50	29	43.00	2	— 8	2	3.00	6.3
Rupert	31.74	45.74	39.29	38.92	27	64	28	*n* 54.00	2	4	1	10.67	6.4
St. Johnsbury	25.50	37.52	29.65	30.89	13	*o* 46	12	40.67	3	—20	2	5.00	6.4
MASSACHUSETTS—													
Amherst	31.24	43.08	36.00	36.77	28	57	18	47.70	2	2	2	12.80	5.4
Bridgewater	37.71	45.94	-------	41.83	17	64	17	60.50	2	11	2	16.50	4.9
Cambridge	34.30	43.04	37.67	38.37	17	*p* 57	18	51.00	2	8	2	14.33	5.6
Florida	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	6.6
Lawrence	32.16	43.03	36.29	37.16	19	58	15	49.00	3	5	2	16.33	5.3
Mendon	35.48	44.83	38.22	39.51	18	61	13	54.33	2	10	2	15.67	6.0
Nantucket	39.48	45.19	39.48	41.38	13	54	29	49.33	2	18	2	22.33	4.8
New Bedford	36.68	44.76	37 23	39.56	18	58	18	50.67	2	11	2	17.33	5.7
Richmond	30.26	41.45	34.19	35.30	12	53	15	45.00	2	2	2	14.67	6.2
Westfield	31.74	42.84	36.65	37.08	28	59	28	47.00	2	5	2	14.33	6.4
Williamstown	33.71	38.97	34.13	35.60	12	51	14	44.67	2	8	2	11.00	6.4
Worcester	34.24	45.50	39.38	39.71	17	58	15	49.00	2	10	----	?	6.0
RHODE ISLAND—													
Providence (*q*)	36.10	46.70	38.90	40.57	13	*p* 60	28	50.00	2	*k* 13	2	19.00	5.5
CONNECTICUT—													
Columbia	37.55	46.03	35.23	39.60	28	62	13	48.67	2	8	2	7.33	6.4
Middletown	34.53	48.20	38.31	40.40	28	65	18	51.10	3	9	2	18.67	5.1
New Haven	37.78	46.04	39.00	40.94	13	60	28	49.33	3	16	1	23.67	----
Pomfret	33.10	43.21	35.94	37.42	28	56	18	48.00	2	8	2	14.50	5.9
Saybrook	35.16	43.97	38.29	39.14	17	*r* 51	18	47.33	2	16	2	20.33	5.6
Wallingford	34.24	46.87	38.35	39.82	28	62	22	50.83	3	11	2	19.00	4.7
NEW YORK—													
Bellport	39 82	46.00	39.42	41.75	23	54	29	48.67	2	19	2	22.33	5.3
Beverly	35.80	46.19	40.19	40.73	12	*s* 59	12	52.00	2	13	2	19.00	5.7

a Register thermometer.
b Same temperature on the 27th.
c Observations taken at 9 a. m. and 9 p. m.
d Observations taken at sunrise, 2 p. m., and 10 p. m.
e Observations taken at sunrise and sunset.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Same temperature on the 14th.
h Same temperature on the 14th, 21th, and 28th.
i Same temperature on the 2d.
j Same temperature on the 17th.
k Same temperature on the 3d.
l Same temperature on the 24th.
m Same temperature on the 29th.
n Same temperature on the 18th.
o Same temperature on the 14th and 28th.
p Same temperature on the 28th.
q Observations taken at sunrise, 1 p. m., and 10 p. m.
r Same temperature on the 23d.
s Same temperature on the 17th and 26th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG WARMEST DAY				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp	Date.	Temp.	Date	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	38.61	42.18	43.24	41.34	28	69	28	53.00	2	23	1	25.33	6.2
Flatbush	37.80	48.08	41.04	42.31	13	61	12	51.40	2	13	2	22.60	5.6
Fort Edward	31.77	42.77	36.13	36.89	17	57	28	*b* 45.67	3	— 1	2	10.00	6.1
Houseville	31.13	39.93	32.90	34.65	28	59	18	50.00	2	1	1	7.33	6.3
Nichols	34.29	48.06	37.19	39.85	28	67	18	56.33	2	8	2	17.67	6.2
Oswego	34.39	41.94	38.81	38.38	28	60	18	51.33	2	11	2	17.00	6.1
Penn Yan (*c*)	32.77	47.90	40.19	40.29	18	69	18	58.00	2	12	1	20.00	3.4
Rochester, [Dewey]	36.49	45.74	39.55	40.59	24	68	18	57.00	2	20	2	25.00	6.0
Wampsville	32.29	41.52	34.61	36.14	17	60	29	51.33	2	6	1	*d* 14.67	6.2
Waterford	34.37	45.61	37.81	39.26	28	63	18	52.67	2	*e* 6	2	13.67	5.1
NEW JERSEY—													
Freehold	40.38	52.00	41.75	44.71	12	72	18	57.00	2	19	3	28.33	----
Lambertville	37.95	53.21	42.78	47.67	22	67	18	57.13	2	17	2	26.80	4.7
Moorestown (*f*)	41.35	53.79	45.00	46.71	22	66	18	56.00	3	25	3	32.67	5.7
Newark (*g*)	-------	-------	-------	43.90	12	63	12	53.75	2	18	2	26.25	----
PENNSYLVANIA—													
Bellefonte	38.10	51.28	41.48	43.62	28	71	28	59.00	2	26	2	29.33	5.5
Berwick	40.16	51.13	42.77	44.69	28	65	18	57.33	2	18	2	25.67	4.4
Cannonsburg	40.32	50.20	46.42	45.65	28	67	28	58.33	20	27	19	29.67	5.3
Carlisle	39.76	51.19	44.06	45.00	18	67	18	57.00	2	21	2	27.80	4.9
Chambersburg	40.16	52.71	43.71	45.53	18	68	18	56.00	2	20	2	28.00	5.1
Easton (*h*)	39.37	49.47	40.23	43.02	13	65	18	53.67	1	19	2	26.17	5.6
Fleming	34.00	50.38	39.67	41.35	28	68	28	55.00	2	10	2	24.33	5.4
Gettysburg	37.29	52.39	42.48	44.05	28	68	18	*i* 56.00	2	17	2	24.67	4.9
Harrisburg, [Heisely]	41.84	52.42	47.27	47.18	28	66	18	58.00	2	24	2	30.33	5.2
Harrisburg, [Hickok]	39.84	51.68	45.29	45.60	18	*i* 64	18	57.33	2	20	2	26.83	5.4
Lewisburg	36.31	49.48	40.82	42.21	28	63	28	53.63	2	12	2	19.70	6.1
Linden (*j*)	36.10	45.60	39.00	40.23	28	65	28	53.00	2	13	2	20.50	----
Morrisville	38.00	53.29	42.39	44.56	22	67	18	58.33	2	17	2	25.00	4.0
Mount Joy	41.65	56.58	47.06	48.43	18	73	18	63.67	2	20	2	29.17	5.1
Murrysville	38.40	51.74	41.00	43.71	28	71	28	57.67	1	*d* 23	1	28.33	5.2
Norristown	41.85	50.50	44.01	45.45	18	65	18	58.67	2	20	2	25.90	5.4
North Whitehall (*k*)	36.74	49.52	45.52	43.93	12	62	18	57.33	2	17	2	27.00	5.5
Philadelphia	41.77	55.31	47.27	48.12	28	70	18	58.67	2	22	2	29.33	5.5
Pittsburg, [Marine Hosp.]	40.03	50.87	45.81	45.57	28	67	28	59.00	2	23	1	31.33	5.3
Pocopson	39.29	52.71	43.90	45.31	28	66	18	57.67	2	19	2	27.33	5.5
Shamokin	35.19	48.68	44.13	42.67	13	*l* 64	18	57.67	2	11	2	25.67	4.8
Somerset	35.81	48.74	41.10	41.88	17	*i* 66	28	55.67	2	16	2	25.67	6.1
Tarentum	37.07	53.26	42.65	44.33	28	71	28	65.50	2	20	1	28.33	5.6
West Haverford	40.51	50.13	-------	45.32	28	67	15	61.00	2	18	2	25.50	5.0
Westtown	39.07	51.10	43.29	44.49	18	64	18	57.00	2	17	2	24.10	5.5
Worthington (*m*)	35.87	50.19	46.94	44.33	28	66	28	59.00	2	12	2	30.33	----
MARYLAND—													
Annapolis	41.94	53.82	49.03	48.26	29	64	18	*b* 58.00	2	24	2	29.66	4.7
Baltimore	44.69	55.68	49.80	50.06	29	67	18	61.50	2	25	2	30.67	5.7
Bladensburg	39.44	57.55	42.79	46.59	22	*n* 71	----	?	2	20	2	28.33	----
Chestertown	40.94	54.21	45.68	46.94	23	69	18	58.80	2	21	2	27.00	5.0
Frederick	41.15	52.84	46.07	46.69	18	*i* 65	18	58.33	2	24	2	29.93	5.0
Leitersburg	38.00	53.43	42.72	44.72	28	70	18	58.67	2	20	2	27.33	4.4
Leonardtown	44.76	56.59	48.41	49.92	22	*i* 71	18	59.67	2	24	----	?	4.8
Sykesville	41.10	55.06	44.26	46.81	18	70	18	60.33	2	25	2	30.00	4.1
DISTRICT OF COLUMBIA—													
Washington	44.06	55.52	49.19	49.59	18	67	18	62.00	2	25	2	31.00	4.9
VIRGINIA—													
Crichton's Store (*o*)	50.45	59.74	61.53	57.24	29	74	29	67.00	2	*e* 34	2	41.33	5.3

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 29th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 2d.
e Same temperature on the 3d.
f Incomplete.
g Daily maximum and minimum.
h Observations taken at 8 a. m., 2 p. m., and 10 p. m.
i Same temperature on the 28th.
j Observations taken at 7 a. m., 1 p. m., and 9 p. m.; incomplete.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 18th and 28th.
m Observations taken morning, noon, and evening.
n Same temperature on the 28th and 29th.
o Observations taken at 8 a. m., noon, and 5 p. m.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Cross Creek	34.34	55.41	41.67	43.81	11	73	28	60.67	2	14	1	27.33	....
Hartwood	44.48	56.48	48.10	49.69	18	*a* 68	28	60.67	2	29	2	32.00	....
Kanawha	44.96	60.00	49.77	51.58	28	75	28	62.67	1	*b* 30	19	36.00	6.3
Lewinsville	45.11	57.31	48.71	50.38	18	69	14	62.16	4	30	2	34.33	5.0
Lewisburg	39.65	58.61	44.77	47.68	28	72	23	58.33	1	*c* 30	2	*d* 37.00	4.0
Montross	44.61	55.23	47.03	48.96	18	*e* 68	22	59.67	2	26	2	28.67	5.1
Mont View	43.81	60.13	49.68	51.21	21	78	23	61.33	2	28	3	32.67	4.1
Point Pleasant	46.48	54.16	45.74	48.79	8	65	8	62.67	1	32	19	39.33	2.8
Poplar Grove	42.61	62.35	46.81	50.59	28	81	28	68.33	2	*b* 28	19	34.00	5.0
Portsmouth	51.44	61.38	53.05	55.29	29	74.5	29	66.83	2	37.5	2	39.50	3.7
Rose Hill	----	----	----	----	----	81¼	----	----	----	34	----	----	----
Rougemont	44.68	59.93	50.45	51.69	29	75	29	61.67	2	26	3	32.67	4.6
Ruthven	46.75	52.48	48.55	49.26	29	76	29	63.67	2	30	?	?	4.3
Smithfield	46.67	62.07	49.88	52.87	29	74	29	65.67	2	28	2	33.90	4.9
Stribling Springs	33.42	53.61	36.48	41.17	17	67	29	51.33	2	12	2	25.67	4.5
The Plains (*f*)	45.35	58.71	48.94	51.00	25	68	18	60.00	....	?	....	?	4.4
Westwood	45.02	60.07	51.11	52.07	29	72	29	63.00	2	29	2	35.33	....
Winchester	40.71	56.10	44.75	47.19	18	72	18	60.67	2	24	2	30.67	3.8
NORTH CAROLINA—													
Chapel Hill	47.32	63.26	52.48	54.35	13	*g* 76	24	65.33	2	32	3	41.33	5.2
Green Plains	47.81	62.03	50.19	53.34	29	76	29	64.00	2	*h* 34	2	37.67	....
Murfreesborough	48.81	62.32	55.10	55.41	29	76	29	67.00	2	33	2	37.67	3.9
SOUTH CAROLINA—													
Aiken	51.30	66.05	55.10	57.48	29	80	29	73.33	20	*i* 40	?	?	4.7
All Saints	55.23	65.35	58.78	59.79	30	79	29	71.67	20	38	19	48.33	4.8
Charleston	58.00	66.26	60.68	61.65	30	81	29	*j* 70.33	20	44	2	*k* 51.67	....
Columbia, [Barton]	51.97	66.88	56.68	58.58	29	80	29	68.33	20	33	19	46.83	6.3
Columbia, [White]	54.58	66.35	60.23	60.39	29	81	29	73.33	20	38	2	46.67	4.1
St. John's (*l*)	55.65	69.73	57.67	61.02	29	82	29	73.67	10	40	?	?	5.3
GEORGIA—													
Athens	49.50	62.19	55.13	55.61	29	76	29	67.40	20	37	2	45.77	5.3
Atlanta	48.97	60.23	55.10	54.77	23	74	23	*m* 66.67	19	34	2	43.33	4.2
Augusta	55.82	71.26	60.45	62.51	29	85	29	77.00	19	43	2	49.83	5.2
Savannah	57.32	67.75	60.85	61.97	29	83	29	75.80	19	43	19	50.97	5.4
Sparta	51.42	65.77	56.68	57.96	29	80	29	72.67	20	37	2	46.67	5.2
Thomaston	----	----	----	----	----	----	----	----	----	----	----	----	5.3
Thomson	52.02	66.17	55.74	57.98	29	83	29	74.67	20	36	2	45.00	5.6
Whitemarsh Island	59.16	67.77	61.16	62.70	29	*j* 83	29	75.67	19	44	19	50.33	5.5
Zebulon	55.21	63.27	59.91	59.46	23	*n* 76	29	73.83	19	42	2	48.33	4.6
FLORIDA—													
Alligator	60.16	75.52	61.77	65.82	17	87	30	77.00	19	39	19	50.67	5.2
Atsena	64.68	69.87	67.06	67.20	13	76	29	72.33	20	52	19	57.33	5.3
Belair	59.74	71.61	65.10	65.48	13	*j* 82	29	77.67	19	41	19	54.00	5.4
Gainesville (*o*)	61.29	71.82	65.58	66.23	13	81	30	75.33	19	41	19	51.67	4.8
Jacksonville	64.23	72.46	63.90	66.86	30	84	30	78.33	20	45	19	55.33	5.2
Micanopy	61.46	76.42	63.77	67.22	17	*p* 85	30	79.33	19	*b* 40	19	51.00	6.1
St. Augustine	67.45	71.68	66.77	68.63	30	86	30	80.67	19	53	19	58.33	5.4
Salt Ponds (*q*)	75.68	81.35	-------	78.52	31	85	31	82.00	19	63	19	67.00	2.4
Seville	58.55	-------	-------	-------	30	75	----	?	19	45	----	?	5.9
ALABAMA—													
Carlowville	60.68	70.90	62.65	64.74	21	82	21	*e* 75.67	26	48	26	53.00	3.8
Greene Springs	52.92	65.36	55.62	57.97	23	79	23	71.33	19	38	19	44.33	5.2
Greensborough	50.15	63.22	55.42	56.26	3	73	----	?	19	39	----	?	5.7
Montgomery	54.26	67.10	58.35	59.90	29	82	23	72.00	19	40	18	48.33	6.0
Moulton	53.95	58.00	55.52	55.82	24	69	24	65.60	20	45	20	47.10	5.4

a Same temperature on the 22d and 28th.
b Same temperature on the 20th.
c Same temperature on the 2d, 4th, 13th, and 20th.
d Same temperature on the 4th.
e Same temperature on the 22d
f For the last 17 days of the month only.
g Same temperature on the 24th and 25th.
h Same temperature on the 3d.
i Same temperature on the 26th.
j Same temperature on the 30th.
k Same temperature on the 19th.
l Incomplete.
m Same temperature on the 24th.
n Same temperature on the 29th.
o Observations taken at 6 a. m., 2 p. m., and 9 p. m.
p Same temperature on the 24th and 30th.
q Thermometer 2¼ to 2½ degrees too high.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
ALABAMA—Continued.	°	°	°	°		°		°		°		°	
Selma	53.35	64.74	59.19	59.09	29	79	29	71.00	19	41	19	49.00	5.9
MISSISSIPPI—													
Columbus	51.01	63.20	55.89	56.70	23	76	23	70.47	19	40	18	44.03	4.7
Natchez	53.50	69.20	63.00	61.90	22	*a* 76	22	*b* 70.00	19	34	18	49.10	4.9
LOUISIANA—													
Black River	56.19	70.26	62.48	62.98	28	83	28	75.33	19	41	19	51.33	6.3
New Orleans (*c*)	66.16	69.77	71.06	69.00	25	91	29	79.67	18	*d* 57	18	58.00	----
TEXAS—													
Austin, [Palm]	52.67	71.93	58.31	60.97	28	92	28	76.00	8	*e* 40	6	48.67	4.1
Austin, [Van Nostrand]	53.01	73.38	59.77	62.05	28	93	28	76.83	31	36	6	50.00	4.3
Larissa	52.72	68.15	59.34	60.07	21	80	21	72.83	14	*f* 41	30	49.50	4.0
New Braunfels	53.95	75.37	59.27	62.86	28	91	24	76.00	18	38	6	50.80	0.9
Northern tier of counties (*g*)	53.48	76.92	56.85	58.27	----	------	----	------	----	------	----	------	----
Roundtop	54.00	73.00	66.00	64.33	----	90.5	----	------	----	38	----	------	----
Sisterdale	51.32	72.80	55.47	59.86	28	88	27	73.00	18	32	18	*h* 48.16	3.7
Union Hill	53.71	69.23	59.78	60.91	28	90	28	74.67	18	40	7	49.33	5.0
Washington	56.07	72.03	58.17	62.09	29	88	----	------	16	38	--	------	4.5
Webberville	57.76	73.19	65.10	65.35	29	93	29	78.00	15	42	6	54.17	2.7
ARKANSAS—													
Washington (*i*)	48.84	66.90	------	57.87	28	84	28	76.00	12	*j* 34	7	47.00	----
TENNESSEE—													
Glenwood Cottage	46.14	58.65	51.43	52.07	23	75	23	66.50	18	*k* 34	18	36.27	5.4
La Grange	49.87	61.33	54.60	55.27	22	79	23	72.00	18	36	18	40.07	5.4
Memphis	50.16	61.10	55.23	55.50	23	78	23	68.00	18	37	18	41.67	----
KENTUCKY—													
Bardstown	45.23	57.71	49.88	50.94	23	72	28	62.33	19	32	19	35.33	4.8
Danville	45.42	60.90	50.48	52.27	23	75	28	65.00	20	30	20	36.33	4.2
Louisville (*l*)	44.06	59.68	50.23	51.32	23	75	23	63.33	20	31	19	37.00	5.4
Paris	43.45	59.60	49.45	50.83	28	76	28	65.33	31	29	19	34.67	4.5
Springdale (*m*)	41.82	58.08	52.45	50.78	23	71	23	61.50	20	27	19	36.67	5.1
OHIO—													
Avon	43.04	51.75	42.50	45.76	28	72	28	64.00	1	*n* 28	1	28.67	6.3
Bellefontaine	38.51	49.23	41.44	43.06	28	66	28	59.80	2	21	19	26.00	5.9
Bowling Green	40.04	55.48	12.10	45.87	28	65	28	57.50	1	24	1	30.33	5.6
Cincinnati, [Harper]	46.29	65.00	51.35	54.21	13	81	21	65.67	20	31	19	37.33	4.3
Cincinnati, [Phillips]	43.71	57.58	49.29	50.19	7	*o* 70	28	63.00	20	31	19	35.33	4.4
College Hill	42.55	55.19	44.26	47.33	28	69	28	61.00	1	26	1	34.00	5.0
Collingwood	40.36	49.68	40.90	43.65	28	68	28	58.00	1	*n* 26	4	34.00	----
Cleveland	39.48	49.23	40.79	43.17	28	73	28	62.80	2	19	1	26.50	6.7
Hillsborough	41.13	52.18	47.11	46.81	7	*p* 68	28	62.33	2	26	19	30.00	5.1
Hiram	38.93	47.52	39.95	42.14	28	67	28	58.00	2	20	2	25.33	6.1
Hudson (*q*)	39.58	49.48	43.09	44.05	28	68	28	60.70	1	23	1	26.93	5.5
Jackson, Monroe Co. (*r*)	39.80	53.79	45.36	46.32	28	74	28	67.00	1	24	1	32.33	----
Madison, [Atkins]	41.35	48.50	40.08	43.31	28	68	28	58.67	1	22	1	28.33	6.0
Madison, [King]	37.81	48.87	38.65	41.78	28	70	28	60.67	2	19	1	25.00	5.8
Montville	39.76	49.10	42.29	43.72	28	69	28	61.33	2	22	1	27.00	5.7
New Lisbon	45.13	59.39	48.81	51.11	28	77	28	66.33	2	25	1	36.67	3.9
Northwood	------	------	------	------	----	------	----	------	----	------	----	------	5.4
Portsmouth	43.21	60.81	49.08	51.03	3	78	28	66.33	1	*s* 30	19	36.00	5.1
Rockport	44.77	54.97	47.23	48.99	28	76	28	65.33	2	26	2	33.33	----
Savannah	39.97	51.94	42.55	44.82	28	71	28	62.00	2	22	1	28.67	6.1
Troy	38.90	53.06	47.58	46.51	28	70	28	59.00	1	20	19	32.33	5.7
Urbana	39.03	54.02	41.42	45.82	24	*p* 70	28	62.33	1	19	1	31.00	6.0
Welchfield	38.45	49.90	39.55	42.63	28	68	28	59.00	2	18	1	24.00	5.1

a Same temperature on the 24th and 28th.
b Same temperature on the 24th.
c Observations taken at 9 a. m., noon, and 3 p. m.
d Same temperature on the 12th.
e Same temperature on the 15th and 18th.
f Same temperature on the 20th.
g Observations taken at sunrise, 7 a. m., 2, 7, and 9 p. m. Mean at sunrise, 41.10; at 7 p. m., 63.00.
h Same temperature on the 30th.
i Observations taken at sunrise and 2 p. m.
j Same temperature on the 19th and 30th.
k Same temperature on the 19th and 31st.
l Observations taken at 7 a. m., 3 p. m., and 9 p. m.
m Observations taken at 5 a. m., 2 p. m., and 6 p. m.
n Same temperature on the 2d.
o Same temperature on the 9th and 24th.
p Same temperature on the 28th.
q The records of thermometer at this place are 0°.85 too high.
r Incomplete.
s Same temperature on the 16th and 20th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Westerville	40.79	51.09	45.45	45.98	28	70	28	63.67	2	26	19	31.50	5.4
Windham	36.90	50.35	42.03	43.09	28	70	28	60.00	2	20	1	30.33	....
MICHIGAN—													
Battle Creek	36.55	48.42	38.58	41.18	17	66	23	54.00	1	20	1	28.67	5.2
Detroit	36.06	48.39	35.00	39.82	27	66	17	50.33	26	24	26	29.33	6.5
Grand Rapids	32.87	46.45	38.10	39.14	10	65	23	52.33	1	21	25	29.00	5.7
Lansing (*a*)	34.68	45.06	39.07	39.60	17	61	17	52.00	26	18	1	24.33	3.8
Marquette	27.52	34.79	29.48	30.60	23	57	23	47.83	1	7	1	18.80	6.9
Monroe, [Whelpley]	----	----	----	----	----	----	----	----	----	----	----	----	5.7
New Buffalo (*b*)	38.52	48.03	39.48	42.01	17	63	23	58.33	19	26	19	30.00	7.9
Ottawa Point (*c*)	30.87	39.29	36.90	35.14	23	56	22	44.25	2	11	1	19.75	6.4
Port Huron	34.89	46.11	37.96	39.65	17	63	17	51.67	2	18	1	24.00	6.3
Thunder Bay Island (*d*)	30.43	33.98	32.05	32.32	24	46	23	41.75	1	13	1	15.75	7.1
Ypsilanti	35.23	47.52	37.78	40.18	17	65	24	52.00	2	20	1	28.37	6.0
INDIANA—													
Aurora	41.62	57.23	49.50	49.45	28	68	?	?	30	*e* 30	30	?	....
Cannelton	46.46	56.76	49.77	51.00	23	74	23	64.80	19	34	18	37.13	4.9
Logansport	41.23	53.52	46.16	46.97	6	*f* 68	28	60.67	1	27	19	32.33	6.4
Mishawaka (*g*)	35.66	46.29	40.00	40.45	17	60	17	51.00	16	24	19	30.33	5.8
New Harmony	44.90	56.52	49.97	50.46	23	74	23	65.00	5	32	18	38.00	5.1
Richmond, [Austin] (*h*)	40.79	53.60	-------	47.20	23	67	?	?	1	25	19	32.00	6.7
Richmond, [Moore]	37.45	51.94	44.16	44.52	23	*i* 64	11	56.33	20	20	19	30.33	....
ILLINOIS—													
Augusta	36.80	50.03	43.55	43.46	23	71	23	58.33	19	22	19	31.00	4.7
Aurora (*j*)	35.00	46.16	39.00	40.05	23	65	23	56.00	5	23	19	30.00	6.2
Batavia, [Mead]	34.39	45.19	37.13	38.90	23	66	23	56.00	19	23	25	28.00	6.3
Carthage (*k*)	35.23	50.03	42.65	42.64	26	70	26	*l* 53.33	29	19	19	28.67	....
Edgington	36.16	46.58	40.16	40.97	23	69	23	56.67	19	22	1	32.33	7.1
Elgin	34.71	45.00	38.10	39.27	23	65	23	55.33	19	25	25	29.00	6.7
Manchester (*m*)	39.19	51.84	42.42	44.48	23	75	23	61.00	19	26	18	30.00	6.0
Marengo	34.84	43.90	37.26	38.67	23	64	23	55.67	25	25	25	29.33	6.8
Ottawa	34.89	47.03	39.90	40.61	23	69	23	57.00	1	23	1	31.67	6.2
Pekin	37.52	50.97	41.10	43.20	23	74	23	63.00	19	25	19	30.00	5.6
Peoria	40.15	51.58	43.51	45.08	23	72	23	58.33	19	27	19	34.33	5.4
Riley	33.50	44.10	36.40	38.00	23	65	23	56.00	31	23	1	29.33	4.9
Sandwich	35.35	45.65	38.06	39.66	23	64	23	50.33	5	24	25	29.33	6.0
Upper Alton	43.71	53.45	45.39	47.52	23	77	23	63.67	19	28	25	35.67	....
Waynesville	36.96	49.37	46.61	44.31	23	71	23	62.67	19	22	19	31.00	6.1
West Salem	45.10	57.75	50.23	51.03	23	77	23	66.67	1	29	18	34.00	5.2
West Urbana	40.71	50.68	45.33	45.57	10	65	10	57.67	19	26	18	30.00	5.8
Wheaton	34.98	45.25	38.45	39.56	23	65	23	56.03	19	24	19	28.83	6.9
Winnebago	34.27	44.53	37.16	38.65	23	65	23	56.83	31	19	25	29.16	6.7
MISSOURI—													
St. Louis, [Engelman]	43.40	54.87	48.40	48.89	23	77	23	65.00	19	29	18	34.00	5.5
St. Louis, [Fendler]	42.29	54.13	47.16	47.86	23	77	23	64.00	19	30	18	34.00	....
WISCONSIN—													
Appleton	32.55	40.37	34.84	35.92	16	58	23	52.00	1	16	1	24.33	6.1
Bay City	29.61	32.52	27.06	28.06	16	48	9	36.67	1	6	1	16.67	6.2
Bayfield	25.61	33.45	28.77	29.27	22	*f* 45	23	39.67	1	*n* 14	25	15.67	6.3
Beloit	34.19	46.16	36.64	39.00	23	66	23	53.33	31	14	26	30.67	5.7
Kenosha	35.48	42.87	37.44	38.60	17	*o* 57	21	48.67	31	26	25	29.00	5.1
Madison	33.23	41.48	35.39	36.69	23	61	23	51.33	30	*p* 24	25	27.67	6.9
Manitowoc	33.03	42.68	37.65	37.79	21	56	24	48.00	1	17	1	26.00	7.4
Milwaukee, [Pomeroy]	32.68	36.87	34.19	34.58	12	*l* 44	12	40.00	1	*q* 27	1	28.67	4.7

a Observations taken at 7 a. m., 2 p. m., and 8 p. m.
b Observations taken at 7 a. m., 1 p. m., and 9 p. m.
c Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 33.52.
d Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 32.81.
e Same temperature on the 1st and 2d.
f Same temperature on the 23d.
g For the last 17 days of the month only.
h Observations taken at 6 a. m. and 1 p. m.
i Same temperature on the 27th and 28th.
j Observations taken at 6 a. m., 2 p. m., and 9 p. m.
k Observations taken at 7 a. m., 1 p. m., and 7 p. m.
l Same temperature on the 10th.
m Observations taken at 7 a. m., 1 p. m., and 9 p. m.
n Same temperature on the 25th and 26th.
o Same temperature on the 21st.
p Same temperature on the 31st.
q Same temperature on the 29th.

No. 16.—THERMOMETER AND FACE OF SKY, MARCH, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Milwaukee, [Winkler]	34.87	40.97	36.52	37.45	21	55	23	48.00	25	25	1	30.00	5.6
New Danemora (*a*)	29.98	41.26	36.50	35.91	23	72	23	53.17	19	20	1	27.17	7.4
Platteville	34.06	44.90	36.93	38.63	23	64	23	51.33	19	*b* 22	18	*c* 30.33	6.5
Waukesha	35.87	45.72	37.90	39.88	11	58	....	?	25	25	....	?	6.9
Wauswatosa	31.48	41.26	33.52	25.42	23	66	23	53.33	25	18	25	24.67	5.5
IOWA—													
Bellevue	35.81	45.77	37.77	39.78	23	62	16	51.67	31	24	1	31.67	7.0
Border Plains	33.19	43.81	36.90	37.97	22	65	23	51.33	19	21	19	31.33	6.7
Burlington	39.22	51.03	44.58	44.94	23	72	23	59.67	19	26	18	*d* 34.00	6.3
Dubuque	36.52	44.68	39.71	40.30	23	62	22	55.00	19	24	18	32.33	5.8
Fairfield	37.03	48.84	41.10	42.32	23	74	23	57.67	1	*e* 29	29	31.00	6.2
Fort Madison (*f*)	35.94	47.68	43.52	42.38	23	69	23	58.00	19	22	18	30.67	5.1
Muscatine	34.52	46.03	40.16	40.24	23	67	23	54.67	19	23	18	*c* 29.67	5.6
Pleasant Plain	31.68	47.87	40.68	41.08	22	73	22	55.33	19	23	29	31.67	5.9
Rossville	31.63	41.27	31.96	35.95	26	60	23	48.50	19	21	4	28.69	6.4
MINNESOTA—													
Beaver Bay, [Clark]	25.60	32.16	28.29	28.68	15	40	23	38.00	25	9	25	14.37	6.0
Burlington	25.03	35.97	27.58	29.53	17	*g* 45	10	36.67	25	8	25	17.33	6.8
Forest City	28.94	36.55	27.13	30.87	16	47	16	40.67	4	10	4	21.33	5.7
Hazlewood	25.97	34.32	29.06	29.78	22	48	22	41.33	15	*h* 12	12	*i* 21.00	6.4
Princeton	28.51	36.80	30.61	31.97	16	*j* 47	23	42.33	19	*b* 12	31	21.00	6.3
NEBRASKA—													
Bellevue	36.48	46.55	38.19	40.41	22	67	5	53.33	29	24	18	28.33	5.9
Brownville	35.65	53.19	39.84	42.89	26	70	5	56.00	12	*k* 24	14	*l* 31.33	4.9
Elkhorn	31.97	44.58	34.93	37.16	20	70	20	51.67	29	19	29	26.33	5.7
Omaha, [Rain]	33.48	45.58	37.51	38.85	22	67	22	51.67	19	20	29	28.67	5.7
KANSAS—													
Burlingame	38.32	54.16	43.22	45.23	20	69	5	57.67	15	26	29	32.67	3.8
Lawrence	40.87	54.55	44.29	46.57	26	76	26	59.33	29	26	29	33.00	4.6
Manhattan	39.00	58.01	43.39	46.80	21	*g* 74	26	57.00	29	29	29	34.33	5.7
Neosho Falls	39.55	57.29	45.97	47.60	22	*m* 73	22	59.67	29	27	29	33.67	3.9
OREGON—													
Fort Vancouver	39.74	45.22	40.51	41.82	....	.....	....	.....	....	.....	....	.....	....
Portland (*a*)	38.52	46.42	42.48	42.47	24	58	24	54.67	11	*n* 32	11	34.07	....
CALIFORNIA—													
Marysville	46.48	59.45	51.12	52.35	26	68	26	61.67	31	37	28	46.67	4.0
Sacramento	46.94	55.61	51.87	51.47	25	*m* 64	25	59.67	31	40	10	*b* 47.00	3.8
San Francisco	47.06	56.74	49.48	51.09	17	67	25	57.33	28	*b* 41	30	47.00	3.2
MEXICO—													
Cordova (*o*)	71.98	76.05	72.23	73.96	29	87.1	....	.....	18	62.6	....	.....	....
Minatitlan	72.48	86.10	75.08	77.89	24	98	29	85.33	20	62	15	71.16	3.5
Mirador (*p*)	64.71	78.39	68.27	70.46	....	.....	....	.....	16	56.5	....	.....	....
Vera Cruz (*q*)	76.40	.....	77.20	76.80	....	.....	....	.....	....	.....	....	.....	....
WEST INDIES—													
Nassau, Bahamas (*r*)	.....	.....	.....	79.91	30	86	29	*s* 85.00	19	73	19	73.50	....
St. George's, Bermuda (*t*)	.....	.....	.....	61.9	....	69.3	....	.....	....	49.1	....	.....	....
CENTRAL AMERICA—													
Guatemala (*u*)	.....	.....	.....	67.89	3	85.1	....	.....	21	50	....	.....	....
SOUTH AMERICA—													
Catharina Sophia, Surinam	73.78	85.61	79.30	79.56	22	88	6	*v* 81.00	9	67	9	77.00	4.9
Chanarcillo, Chili (*a*)	59.23	71.92	65.32	65.49	....	.....	....	.....	....	.....	....	.....	....
Chanarcillo, Chili (*w*)	65.62	74.36	59.15	66.38	9	79	....	.....	25	52	....	.....	....
EASTERN CONTINENT—													
Jerusalem, Palestine	51.48	61.44	51.97	54.96	23	81	23	73.67	9	38	9	39.00	1.3

a Observations taken at 6 a. m., noon, and 6 p. m.
b Same temperature on the 31st.
c Same temperature on the 25th.
d Same temperature on the 19th.
e Same temperature on the 18th and 25th.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Same temperature on the 22d.
h Same temperature on the 12th.
i Same temperature on the 18th.
j Same temperature on the 23d.
k Same temperature on the 29th.
l Same temperature on the 28th.
m Same temperature on the 26th.
n Same temperature on the 12th and 29th.
o Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean at 12 m., 74.84; at 6 p. m., 74.68.
p Observations taken at 7 a. m., 2 p. m., and 8 p. m.
q Observations taken from 7 to 9 a. m., and from 9 to 11 p. m.
r Mean obtained from daily maximum and minimum.
s Same temperature on the 30th and 31st.
t Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
u Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
v Same temperature on the 22d and 23d.
w Observations taken at 9 a. m., 3 p. m., and 9 p. m.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson (*a*)	------	------	------	21.82	20	68	22	45.00	10	*b*—10	10	*b* 0.00	----
Halifax (*c*)	------	------	------	38 60	30	58	23	41.80	6	23	6	32.95	5.1
Hamilton (*d*)	41.43	------	40.08	40.75	30	62	30	57.50	4	*e* 32	4	*f* 32.50	----
Montreal	34.06	45.03	35.85	38.31	29	72	29	54.67	5	21	5	26.20	----
Moose Factory (*g*)	47.00	27.83	14.87	15.80	----	57	----	------	---	—23	----	------	----
Red River Settlement	24.97	34.70	26.93	28.87	30	68	----	?	8	0	1	10.33	4.2
Rigolet (*h*)	27.50	------	30.03	28.77	29	41	25	*i* 39.00	16	14	9	*j* 17.50	----
St. John's	39.00	43.93	37.43	40.12	29	61	25	49.33	1	*k* 30	1	*k* 32.67	7.8
St. Martin (*l*)	31.60	47.65	37.11	38.79	29	76	29	58.30	10	18	5	26.77	----
Stanbridge	34.97	43.57	35.70	38.08	29	67	29	53.00	9	20	5	22.67	4.9
Toronto (*l*)	35.52	44.04	38.20	39.25	30	61	30	54.67	9	24	5	29.13	5.9
Windsor	34.18	43.52	36.95	38.22	30	60	24	45.83	6	25	9	30.50	6.2
Wolfville	35.72	44.42	37.18	39.11	24	58	24	50.67	6	25	9	29.67	25.6
MAINE—													
Cornish, [West]	33.96	42.66	35.20	37.27	30	64	30	55.33	9	20	5	25.00	4.1
Cornishville	34.90	43.50	36.70	38.37	30	64	30	54.33	9	21	5	26.67	4.4
Dexter	------	------	------	------	------	------	------	------	------	------	------	------	5.0
Gardiner	36.07	45.05	34.27	38.46	30	63	30	51.67	9	25	5	29.67	4.4
Lisbon	35.27	46.63	39.30	40.40	30	68	30	55.33	10	22	5	30.67	3.4
Perry	33.83	42.05	36.23	37.37	29	60	30	49.17	6	22	9	26.83	4.6
Portland	35.95	44.98	38.02	39.98	30	65	30	54.50	6	27	5	30.00	4.2
Steuben (*m*)	34.81	43.15	37.31	38.42	30	60	---	?	9	25	9	28.33	4.8
NEW HAMPSHIRE—													
Shelburne (*n*)	30.31	46.76	35.16	37.41	29	72	29	49.73	9	20	9	25 77	4.3
Stratford	29.90	42.27	32.30	34.82	29	68	29	50.00	10	17	5	22.67	4.6
VERMONT—													
Brandon	34.83	45.35	37.90	39.36	29	68	29	53.67	9	24	9	28.50	4.9
Burlington	34.75	43.57	38.22	38.85	29	65	29	56.33	9	21	9	27.67	4.7
Craftsbury	31.13	40.77	34.93	35.61	29	66	29	53.00	9	16	5	*o* 23.00	4.5
Rupert	33.53	48.40	42.20	41.38	30	70	30	56.00	9	20	1	30.67	5.9
St. Johnsbury	31.48	43.35	32.75	35.86	29	68	29	47.33	9	20	9	23.67	4.6
MASSACHUSETTS—													
Amherst	38.40	49.70	41.67	43.25	30	71	30	57.50	9	29	9	32.70	4.9
Boston	39.08	50.62	42.13	43.94	21	70	21	54.00	5	*o* 30	5	34.00	5.6
Bridgewater (*p*)	41.35	49.02	43.14	44.50	21	62	30	56.00	6	31	5	34.50	5.0
Cambridge	37.67	47.20	40.78	41.88	30	62	----	?	6	*o* 29	9	33.33	5.1
Florida	------	------	------	------	----	------	----	------	----	------	----	------	6.7
Lawrence	37.43	47.52	39.60	41.52	30	64	30	54.33	10	29	11	32.50	5.1
Mendon	37.37	46.17	39.73	41.09	30	65	30	55.67	9	24	9	32.67	5.2
Nantucket	43 29	48.77	42.51	44.86	21	*q* 58	26	51.83	6	33	9	34.43	5.0
New Bedford	40.27	49.08	41.75	43.70	30	63	26	54.33	10	30	5	33.83	5.8
Richmond	34.10	48.00	40.70	40.93	29	66	30	55.00	9	29	5	29.67	5.6
Westfield	39.90	49.70	42.03	43.88	30	74	30	59.67	4	*r* 30	5	32.33	5.4
Williamstown	38.70	45.00	38.73	40.81	29	61	30	50.67	9	25	5	30.67	6.2
Worcester	39.79	49.64	42.19	43.87	30	71	30	61.67	9	29	9	33.67	5.2
RHODE ISLAND—													
Providence (*s*)	39.10	51.50	41.90	44.17	30	69	30	55.00	10	29	9	35.00	5.0
CONNECTICUT—													
Columbia	40.53	51.93	39.47	43.98	30	76	30	59.67	5	28	5	32.00	5.5
Middletown	39.39	54.38	42.44	45.40	30	77	30	59.53	10	28	5	34.33	5.0
Pomfret	37.38	47.84	39.99	41.74	30	70	30	58.17	5	*t* 28	5	31.17	5.4
Saybrook	40.50	50.73	43.13	44.79	30	*u* 61	26	53.67	6	*v* 30	5	35.00	5.7

a Register thermometer. No observations on the 4th, 5th, or 6th, nor after the 26th.
b Same temperature on the 14th.
c Observations taken at 9½ a. m. and 3½ p. m.
d Observations taken at 9 a. m. and 9 p. m.
e Same temperature on the 5th and 8th
f Same temperature on the 5th.
g Observations taken at sunrise, 2 p. m., and 10 p. m.
h Observations taken at sunrise and sunset.
i Same temperature on the 29th.
j Same temperature on the 11th and 12th.
k Same temperature on the 6th.
l Observations taken at 6 a. m., 2 p. m., and 10 p. m.
m Incomplete.
n Observations taken at sunrise, noon, and 9 p. m.
o Same temperature on the 9th.
p Observations taken at 7 a. m., 2 p. m., and 7 p. m.
q Same temperature on the 25th.
r Same temperature on the 5th, 6th, and 9th.
s Observations taken at sunrise, 1 p. m., and 10 p. m.
t Same temperature on the 6th and 9th.
u Same temperature on the 21st.
v Same temperature on the 7th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CONNECTICUT—Continued.	°	°	°	°		°		°		°		°	
Wallingford	38.72	52.45	42.63	44.60	30	77	30	58.83	10	29	5	33.67	4.8
NEW YORK—													
Bellport	43.17	49.70	42.73	45.20	25	58	26	53.67	9	31	5	36.33	5.2
Beverly	40.03	53.04	45.10	46.06	30	71	30	59.67	6	31	5	35.00	5.9
Buffalo (*a*)	40.39	45.36	42.08	42.61	30	67	30	59.67	9	31	4	32.33	5.8
Flatbush	42.63	52.16	44.16	46.32	30	73	26	61.03	6	33	5	37.63	6.2
Fort Edward	38.10	48.03	40.90	42.34	29	70	29	56.00	9	25	9	31.00	5.4
Nichols	39.03	51.93	41.37	44.11	30	73	13	58.67	9	27	5	31.67	6.3
Oswego	37.40	44.37	39.50	40.42	30	56	30	48.67	5	*b* 29	5	30.33	5.5
Penn Yan (*c*)	33.45	48.17	41.70	41.11	12	67	12	52.67	9	24	5	29.33	2.8
Rochester, [Dewey]	40.00	46.97	41.47	42.81	30	69	30	56.33	9	29	4	32.00	6.2
Wampsville	37.03	47.43	37.27	40.58	30	69	30	54.00	4	*d* 26	5	28.00	6.0
Waterford	41.43	51.23	42.88	45.18	29	69	29	59.17	5	30	5	33.00	4.8
NEW JERSEY—													
Freehold	44.57	55.20	46.37	48.71	13	*e* 70	21	61.00	9	33	9	40.67	4.7
Lumbertville	42.11	55.52	45.38	44.34	30	76	26	61.87	6	33	5	36.27	3.8
Newark (*f*)	-------	-------	-------	47.51	30	74	30	57.25	5	*g* 30	5	37.39	----
PENNSYLVANIA—													
Bedford	42.82	55.95	47.35	48.71	12	80	12	66.83	9	22	9	31.92	5.3
Bellefont	44.60	59.03	47.97	50.53	13	80	13	73.33	5	*g* 32	10	40.00	6.3
Berwick	45.17	55.47	47.67	49.44	30	76	30	66.00	5	33	5	36.67	4.2
Cannonsburg	43.43	52.87	49.50	48.60	11	73	11	61.33	6	29	5	31.00	6.6
Carlisle	44.93	53.95	47.69	48.86	30	72	30	63.00	9	32	5	36.33	5.7
Chambersburg	46.47	55.93	46.97	49.79	25	77	30	65.33	9	30	5	36.33	6.4
Easton (*h*)	44.50	53.43	44.12	47.35	30	76	30	64.00	5	*g* 32	5	35.33	6.2
Fleming	41.17	55.43	44.37	46.99	30	77	13	61.33	9	28	5	32.67	5.9
Gettysburg	42.07	55.22	48.17	48.49	30	71	30	61.00	9	30	5	36.00	6.0
Harrisburg, [Heisely]	45.80	55.63	51.37	50.93	30	76	30	65.33	9	34	5	39.67	5.7
Harrisburg, [Hickok]	43.45	54.68	50.08	49.40	30	74	30	63.33	9	32	5	37.33	6.7
Lewisburg	43.76	54.29	46.19	48.08	30	73	30	61.67	9	30	5	33.37	6.4
Linden (*i*)	40.00	50.45	44.10	44.85	21	64	12	55.00	9	27	----	?	7.2
Morrisville	42.63	54.63	44.73	47.36	30	75	26	62.33	5	*j* 34	6	38.67	4.7
Mount Joy	46.92	59.25	50.48	52.22	30	79	30	67.67	9	32	5	39.67	5.6
Norristown	44.42	52.81	45.84	47.69	30	73	26	62.33	9	32	5	37.33	5.7
North Whitehall (*k*)	39.33	53.27	49.37	47.32	30	75	30	63.00	9	28	5	33.00	5.4
Philadelphia	45.70	56.13	49.01	50.28	30	78	30	64.67	9	33	5	40.80	6.0
Pittsburg, [Marine Hospital]	44.33	54.53	48.53	49.13	11	72	11	63.00	9	28	5	36.00	6.3
Pocopson	41.77	54.60	45.87	47.41	30	75	26	*l* 59.00	7	31	6	37.33	6.1
Shamokin	35.47	50.27	44.73	43.49	30	74	30	56.67	7	*b* 26	5	32.33	5.2
Somerset	39.83	53.57	43.17	45.52	12	73	12	61.33	9	18	5	28.67	6.7
Tarentum	43.59	55.97	45.97	48.51	11	75	11	64.67	8	23	5	33.33	6.2
West Haverford	44.73	55.80	-------	50.26	26	74	26	67.00	9	32	9	39.00	6.0
Worthington (*m*)	39.30	52.83	50.97	47.70	30	76	11	68.33	9	19	5	32.67	----
MARYLAND—													
Annapolis	45.63	56.25	51.13	51.00	3	71	26	65.00	6	34	5	39.83	6.1
Baltimore	48.54	57.40	53.08	53.01	30	74	----	?	6	*b* 37	----	?	6.1
Bladensburg	45.37	59.77	47.10	50.75	3	*n* 75	----	?	9	33	----	?	6.4
Frederick	45.01	54.41	48.17	49.20	30	71	25	*o* 58.83	9	33	5	37.50	6.3
Leitersburg	43.48	56.04	46.31	48.61	25	75	13	64.00	9	30	8	37.33	5.7
Leonardtown	46.86	58.55	50.87	52.09	26	80	26	68.00	9	*p* 34	8	41.33	6.0
Sykesville	46.40	58.30	47.77	50.82	25	75	3	*n* 62.33	5	30	5	35.33	5.4
DISTRICT OF COLUMBIA—													
Washington	48.27	57.43	51.03	52.24	26	72	3	64.00	9	35	5	39.33	6.1
VIRGINIA—													
Crichton's Store (*q*)	64.21	66.37	63.29	64.62	12	87	14	78.67	6	38	6	38.00	5.6

a Observations taken at 8 a. m., 2 p. m , and 9 p. m.
b Same temperature on the 9th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 5th.
e Same temperature on the 21st.
f Daily maximum and minimum.
g Same temperature on the 6th.
h Observations taken at 8 a. m., 2 p. m., and 10 p. m.
i Observations taken at 7 a. m., 1 p. m., and 9. p. m. Incomplete.
j Same temperature on the 6th, 7th, and 9th.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 30th.
m Observations taken morning, noon, and evening.
n Same temperature on the 25th.
o Same temperature on the 26th.
p Same temperature on the 19th.
q Observations taken at 7 a. m , noon, and 5 p. m.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Cross Creek	39.23	55.87	44.63	46.58	11	79	13	66.33	9	17	5	31.33	----
Falmouth	47.60	58.57	51.53	52.57	11	80	3	65.67	6	*a* 34	5	41.67	----
Kanawha	47.60	61.48	52.86	53.98	11	80	11	70.33	6	31	5	34.00	6.3
Lewinsville	47.97	59.02	51.02	52.67	3	*b* 77	3	65.33	9	33	5	38.00	6.2
Lewisburg	45.20	62.37	48.30	51.96	12	85	12	70.00	5	25	5	28.67	4.9
Montross	48.60	58.83	50.57	52.67	26	77	3	*c* 68.00	6	32	6	*a* 40.67	5.1
Mont View	47.37	63.47	53.13	54.67	12	84	12	68.67	5	32	5	38.67	5.5
Point Pleasant	41.50	50.20	42.23	44.64	11	63	11	55.67	6	28	6	36.33	5.3
Poplar Grove	45.47	64.43	49.57	53.16	11	88	11	71.67	6	26	5	33.33	6.4
Portsmouth	50.87	65.00	53.87	56.58	11	86.5	11	71.50	19	34.5	6	44.17	3.7
Rose Hill	------	------	------	------	----	71½	----	-------	----	41	----	-------	----
Rougemont	48 83	62.93	53.90	55.22	11	*d* 82	11	69.33	6	31	5	41.00	6.0
Ruthven	50.10	63.84	51.83	55.26	15	85	----	?	5	34	18	41.00	3.5
Smithfield	49.98	65.00	54.59	56.52	14	83	14	74.33	6	32	6	40.00	5.8
Stribling Springs	37.96	57.03	40.50	45.16	12	81	26	61.67	1	17	5	30.33	5.1
The Plains	45.77	57.87	50.60	51.41	30	76	26	63.33	6	33	5	35.33	5.3
Westwood	48.48	63.93	55.04	55.82	14	85	14	69.00	6	31	----	?	----
Winchester	45.13	59.53	48.90	51.19	3	76	13	65.33	9	28	5	37.33	4.5
NORTH CAROLINA—													
Chapel Hill	52.30	68.30	57.10	59.23	12	90	14	77.00	6	30	6	43.00	5.4
Davidson College	51.11	64.42	56.13	57.22	13	84	14	74.13	6	29	6	39.73	4.5
Green Plains	52.30	66.67	54.13	57.70	13	86	12	77.00	5	34	6	42.00	----
Murfreesborough	51.97	65.80	57.63	58.47	14	84	12	*e* 74.33	6	34	6	42.67	3.9
SOUTH CAROLINA—													
Aiken	54.07	68.19	58.35	60.20	11	86	----	?	6	33	6	45.33	4.3
All Saints	58.63	69.86	62.67	63.72	14	86	14	78.33	6	38	6	45.67	3.3
Charleston	59.67	69.93	63.83	64.48	12	*f* 81	14	75.67	6	41	6	48.33	----
Columbia, [Barton]	53.77	70.63	61.72	62.04	13	88	13	77.50	6	32	6	45.50	5.0
Columbia, [White]	59.60	70.80	62.67	64.36	13	89	13	82.33	6	43	6	49.33	3.6
St. John's (*g*)	57.27	70.50	59.31	62.36	13	85	----	?	6	39	----	?	4.4
GEORGIA—													
Athens	55.02	67.87	58.83	60.57	14	84	14	76.60	6	35	5	44.10	4.6
Atlanta	51.47	65.40	58.80	58.56	12	*e* 84	12	74.67	6	30	5	42.67	3.9
Augusta	59.18	76.27	62.17	65.87	28	92	11	*d* 79.00	6	43	5	*h* 53.33	4.4
Savannah	59.10	72.60	64.02	65.24	14	89	14	78.50	6	43	6	49.33	3.6
Sparta	51.40	69.73	58.97	60.03	13	87	12	74.00	6	30	6	42.00	4.0
Thomaston	------	------	------	------	----	------	----	-------	----	-------	----	-------	3.9
Thomson	59.18	71.78	59.98	63.65	13	90	14	77.33	6	41	6	48.33	5.3
Whitemarsh Island	60.55	70.72	63.79	65.02	14	88	14	79.00	6	44	6	49.33	3.4
FLORIDA—													
Alligator	63.13	79.20	63.73	68.69	13	*f* 94	14	81.33	18	46	24	53.33	3.6
Atsena	65.60	71.00	69.30	68.63	13	79	14	76.00	18	51	6	56.33	4.0
Belair (*g*)	61.27	75.37	68.83	68.49	13	85	12	*e* 78.67	17	47	16	*i* 56.67	4.2
Gainesville (*j*)	60.93	73.75	67.37	67.35	13	84	12	*k* 76.67	7	*l* 48	----	?	3.8
Jacksonville	69.43	76.86	67.47	71.25	14	89	14	81.00	6	52	----	?	3.2
Micanopy	63.62	81.14	63.50	69.42	13	93	13	79.67	23	45	----	?	5.2
St Augustine	68.53	74.20	68.20	70.31	14	88	14	81.00	23	55	6	59.00	3.2
Salt Ponds (*m*)	76.68	81.77	-------	79.22	1	*n* 85	1	*o* 82.00	24	66	24	68.00	2.5
Seville	59.60	-------	-------	-------	12	*p* 70	----	-------	6	*q* 48	----	-------	4.4
ALABAMA—													
Carlowville	55.97	69.03	59.43	61.48	28	80	9	73.00	15	42	5	49.67	4 6
Greene Springs	55.98	70.36	58.79	61.71	12	86	12	77.00	6	35	5	44.33	4.1
Greensborough (*r*)	55.10	65.46	57.87	59.48	29	78	----	?	17	39	----	?	3.4
Montgomery	58.11	72.28	61 95	64.11	13	87	13	78.10	6	41	5	*h* 50.33	4.6

a Same temperature on the 9th.
b Same temperature on the 25th.
c Same temperature on the 26th.
d Same temperature on the 12th.
e Same temperature on the 13th.
f Same temperature on the 14th.
g Incomplete.
h Same temperature on the 6th.
i Same temperature on the 22d.
j Observations taken at 6 a. m., 2 p. m, and 9 p. m.
k Same temperature on the 15th.
l Same temperature on the 24th.
m Thermometer 2½ to 2¾ degrees too high.
n Same temperature on the 3d, 7th, and 16th.
o Same temperature on the 4th, 8th, and 16th.
p Same temperature on the 13th and 30th.
q Same temperature on the 19th and 24th.
r For the last half of the month only.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
ALABAMA—Continued.	°	°	°	°		°		°		°		°	
Moulton	58.34	63.07	60.59	60.67	13	79	14	76.67	5	42	6	46.80	5.7
Selma	57.63	70.23	63.47	63.78	12	86	12	78.00	6	40	6	49.33	4.8
MISSISSIPPI—													
Columbus	55.26	69.79	60.17	61.74	10	*a* 83	13	77.30	6	38	5	45.57	4.1
Natchez	57.30	69.80	63.47	63.52	13	82	13	76.67	23	36	5	50.00	4.7
Paulding	58.93	73.32	64.79	65.68	12	*a* 89	13	82.00	17	39	5	50.00	5.1
LOUISIANA—													
Black River	59.77	72.80	66.17	66.25	13	89	13	84.00	23	44	5	53.00	5.3
New Orleans (*b*)	70.60	73.77	75.00	73.12	13	*c* 87	13	86.00	17	*d* 56	6	59.00	....
TEXAS—													
Austin, [Palm]	59.90	76.77	63.32	66.66	29	91	25	78.59	5	43	5	52.58	5.1
Austin, [Van Nostrand]	60.21	77.40	64.04	67.22	29	93	25	77.83	5	46	5	53.98	5.3
Larissa	58.62	69.90	65.09	64.54	25	86	11	77.33	4	42	....	?	4.7
New Braunfels	62.00	81.03	69.13	70.72	28	97	25	80.67	23	38	22	54.67	1.5
Northern tier of counties (*e*)	56.76	.....	56.40	55.97	....	.....	....	.....	....	.....	....	.....	....
Roundtop	60.00	77.00	67.00	68.00	....	89	....	.....	....	34	....	.....	....
Sisterdale	59.67	77.00	63.40	66.69	29	87	25	76.93	22	42	5	52.90	5.0
Union Hill	59.13	73.37	63.37	64.96	26	85	12	*f* 76.67	23	32	22	50.33	5.9
Washington	59.81	73.00	59.20	64.00	11	84	11	75.67	23	38	5	50.67	5.4
Webberville	61.37	77.77	68.60	69.25	25	90	25	84.00	5	44	5	55.00	4.4
ARKANSAS—													
Washington (*g*)	52.73	72.63	.....	62.68	9	88	9	79.00	17	32	5	45.00	....
TENNESSEE—													
Glenwood	49.99	61.63	53.94	55.19	12	83	11	73.30	6	31	5	33.73	6.3
La Grange	53.32	66.83	56.52	58.89	13	86	11	76.00	5	35	5	40.33	5.3
Memphis	54.70	65.30	58.83	59.61	10	*h* 83	10	74.00	6	37	4	43.00	6.0
KENTUCKY—													
Bardstown	49.58	59.82	52.08	53.83	13	78	13	73.50	5	28	5	31.50	5.6
Danville	52.62	65.67	54.62	57.64	11	*c* 83	10	73.67	6	30	5	33.67	5.6
Louisville (*i*)	47.47	61.27	52.60	53.78	12	82	11	*a* 71.67	6	31	5	34.00	6.1
Paris	47.97	59.65	51.39	53.00	11	79	11	74.67	6	29	5	32.00	5.8
Springdale (*j*)	44.67	60.35	53.67	52.90	11	81	11	72.33	6	24	5	32.67	6.1
OHIO—													
Avon	44.68	47.70	44.78	45.72	11	72	11	61.93	5	30	5	32.50	5.0
Bellefontaine	41.61	50.23	41.30	45.38	30	70	30	62.00	5	25	5	27.67	6.4
Bowling Green	43.88	53.76	44.94	47.53	11	*k* 72	11	62.47	8	30	5	35.00	5.4
Cincinnati, [Harper]	48.90	62.93	53.57	55.13	11	81	11	*a* 72.33	5	*d* 33	5	35.00	5.7
Cincinnati, [Phillips]	48.87	56.93	51.30	52.37	11	78	11	69.33	6	31	5	32.00	5.9
Cleveland	41.60	48.78	42.77	44.38	11	74	11	61.33	9	26	5	31.83	6.7
College Hill	44.50	56.43	46.30	49.08	11	*l* 72	11	64.00	6	25	5	31.33	6.0
Collingwood	43.00	50.70	43.70	45.80	11	70	11	62.33	9	32	5	34.00	....
Hillsborough	43.90	53.32	48.30	48.51	13	74	11	66.67	5	28	5	28.50	5.4
Hiram	41.07	50.21	42.03	44.44	13	74	13	63.33	5	*d* 28	5	30.67	6.1
Hudson (*m*)	40.59	51.91	43.05	45.18	11	72	....	?	9	28	....	?	5.7
Jackson, Monroe county (*n*)	46.32	56.40	50.04	50.92	30	73	....	?	5	29	....	?	6.0
Kelley's Island	41.50	46.67	42.73	43.63	11	62	11	55.00	5	30	5	33.00	5.8
Madison, [Atkins]	45.97	49.21	42.79	45.99	11	78	11	64.67	6	30	6	33.33	6.5
Madison, [King]	42.70	48.27	40 00	43.66	11	70	11	60.00	6	28	6	30.00	6.7
Montville	42.80	51.52	44.35	46.22	13	73	13	65.17	5	*o* 28	5	30.33	6.1
Mount Union	45.89	55 46	45.19	48.85	13	78	13	68.67	?	?	?	?	5.2
New Lisbon	49.93	61.97	49.87	53.92	11	*a* 83	11	73.67	9	30	5	38.67	4.7
Northwood	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.4
Portsmouth	48.36	62.20	50.66	53.74	11	82	11	71.33	6	30	5	37.67	6.1

a Same temperature on the 13th.
b Observations taken at 9 a. m., noon, and 3 p. m.
c Same temperature on the 12th.
d Same temperature on the 6th.
e Observations taken at sunrise, 7 a. m., 7 p. m., and 9 p. m. Mean at sunrise, 48.61; mean at 7 p. m., 62.10.
f Same temperature on the 26th.
g Observations taken at sunrise and 2 p. m.
h Same temperature on the 13th and 26th.
i Observations taken at 7 a. m., 3 p. m., and 9 p. m.
j Observations taken at 5 a. m., 2 p. m., and 6 p. m.
k Same temperature on the 30th.
l Same temperature on the 20th.
m Incomplete. The records of the thermometer at this place are 0.85 too high.
n Incomplete.
o Same temperature on the 8th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Rockport	45.93	54 23	48.10	49 42	11	76	11	63.67	5	34	5	37.67	....
Savannah	43.50	54.23	44.20	47 31	13	81	13	70.00	8	25	5	30.67	6.5
Troy	43.10	54.70	47.57	48 46	13	78	13	68.33	6	27	5	30.67	7.3
Urbana	43.27	54 40	46.23	47 97	13	79	13	68.00	5	*a* 28	5	29.67	6 7
Welchfield	42.00	51.16	11.23	44.80	11	74	11	63.67	8	26	5	28.67	5 7
Westerville	44.57	53 63	47 92	48.71	11	*b* 74	13	68.17	5	29	5	30.50	6.6
Windham	40.30	50.73	44.83	45.29	30	75	1	64.67	5	*c* 28	5	30.00	....
MICHIGAN—													
Battle Creek	39 93	50.50	42.17	44.20	30	71	30	57 67	8	29	4	33.00	5.0
Detroit	41.67	54 50	36.87	44.15	11	72	11	63.00	5	*d* 33	2	37.33	6 8
Grand Rapids	37.63	49 33	41.80	43.09	30	80	30	65.67	4	*e* 27	15	30.33	6.5
Marquette	32.28	38.60	30.19	33.69	28	62	28	55.13	4	12	4	20.47	5.4
Monroe [Whelpley]	.....	.....	.....	.....	..	....	....	.....	...	.....	...	.....	5.5
New Buffalo (*f*)	41.23	49.61	41.23	41.02	13	74	13	63.67	8	26	8	31.33	7.1
Ottawa Point (*g*)	33.53	42.40	40.06	38.67	30	59	30	53.25	4	24	4	28.25	6.6
Port Huron (*h*)	39.18	47.63	38.59	41 80	11	71	11	58.33	9	29	8	33.67	6.1
Thunder Bay Island (*i*)	32.33	36.90	34.90	34 84	30	49	30	45.00	3	*j* 23	4	25.87	6.8
Ypsilanti	39.92	50 05	40.80	43.59	30	72	30	60.50	5	*a* 28	5	32.00	6.5
INDIANA—													
Aurora (*k*)	44.07	57 07	51.23	51.09	11	80	11	70.00	6	*l* 26	5	32.00	....
Cannelton	49.54	58.65	52.54	53.58	13	77	13	73 33	5	32	5	34.00	5.5
Logansport	41.63	56.23	48.10	49.65	20	*m*76	30	66.00	5	*n* 29	5	33.67	6.8
Mishawaka	37 30	51.59	12.64	43.84	13	*m*74	13	64.00	8	*c* 27	5	32.33	5.4
New Harmony	42.73	58.70	52.00	51.14	11	77	10	70.00	6	27	5	36.00	6.2
Richmond, [Austin] (*o*)	43.26	53.72	.....	48 49	13	77	13	67.50	6	27	5	30.00	7 2
Richmond, [Moore]	41.23	53.03	18 87	48.71	13	74	13	65.33	5	30	5	32.33	6.3
ILLINOIS—													
Augusta	40.30	52.96	47.30	46.85	30	72	10	63.67	4	21	4	27.67	5.0
Aurora	38.53	51.13	41.16	43 61	25	*m*69	30	56.67	4	26	4	29 67	5.9
Batavia, [Vapor]	36 30	47 80	39.67	41.26	30	68	30	56.00	4	24	15	29.33	6.6
Batavia, [Mean]	36.16	48.70	39.70	41.62	30	71	30	60.34	4	22	4	27.33	6.7
Carthage (*q*)	39 23	54.33	46.40	46 65	24	*m*73	10	63.67	4	20	4	28.67	....
Edgington	36.77	51.33	42.87	43.66	24	72	10	58.67	4	24	4	2 .00	6.1
Elgin	37.07	48.84	40.13	42.01	30	71	30	58.33	4	24	4	28 00	6.7
Manchester (*f*)	42 13	54.86	45.63	47.64	20	77	20	65.00	4	*p* 26	4	*e* 30.67	5.6
Marengo	35.27	46.83	37 70	39.93	30	67	30	53.33	4	*e* 25	15	28.67	6.7
Ottawa	40.74	51.77	42 37	44.96	30	70	30	61.33	4	24	4	27 33	6.6
Pekin	41.06	55.33	45.00	47.20	25	79	25	63.67	4	25	4	29.00	5.7
Peoria	42.33	55.17	48.13	48.54	25	72	10	63.67	4	26	4	31.33	6.0
Riley	35 32	48.26	40.73	41.44	30	70	30	60.33	4	22	4	27 00	4.6
Sandwich	38.83	50.10	40.63	43.19	25	74	30	60.00	4	*e* 24	4	27.67	5.7
Upper Alton	45 27	57.00	48.24	50 17	20	80	20	68.00	4	26	4	31 33	4.4
West Salem	48.60	59.10	52.07	53.26	20	*r* 79	10	74.00	5	32	4	37.67	5.9
West Urbana	43.20	51.47	48.80	48.82	24	90	10	67.33	5	27	5	27.67	6.5
Wheaton	37.22	48.56	39.71	41.86	30	66	10	55.90	4	24	4	27.67	7.1
Winnebago	35.70	48 87	39.53	41.37	30	73	30	57.86	4	21	4	26.67	5 7
MISSOURI—													
St. Louis, [Engelmann]	47.25	58.02	54.78	52.35	20	82	20	71.00	4	28	4	33.33	5.3
St Louis, [Fendler]	46.74	57.33	50.10	51.40	20	81	20	69.00	4	28	4	33.00	....
WISCONSIN—													
Appleton	36.07	46.77	37.37	40. 7	30	75	30	59.33	4	25	3	29.67	?6.3
Bay City	29 27	37.60	27.53	31.47	28	64	28	46.67	12	20	8	20.00	5.0
Beloit	35.60	51.03	40.17	42.27	30	72	30	58.00	4	20	4	29.00	4.8
Kenosha	37.87	41.44	40.48	40.93	18	56	18	51.67	4	27	3	31.83	4.0
Madison	36.47	45.31	40.11	40.63	30	68	30	59.67	4	22	4	27.09	5.5

a Same temperature on the 8th.
b Same temperature on the 13th.
c Same temperature on the 28th.
d Same temperature on the 14th, 18th, and 23d.
e Same temperature on the 27th.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 32.70.
h Incomplete.
i Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 35.23.
j Same temperature on the 4th, 5th, and 8th.
k Observations taken at 6 a. m., 2 p. m., and 9 p. m.
l Same temperature on the 16th.
m Same temperature on the 30th.
n Same temperature on the 6th.
o Observations taken at 6 a. m. and 1 p. m.
p Same temperature on the 5th and 6th.
q Observations taken at 7 a. m., 1 p. m., and 7 p. m.
r Same temperature on the 26th.

No. 17.—THERMOMETER AND FACE OF SKY, APRIL, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp	ate.	M'n temp.	Date	Temp.	Date.	Mean temp.	
Wisconsin—Continued.	°	°	°	°		°		°		°		°	
Manitowoc	36.40	45.03	39.13	40.19	30	69	30	57 00	4	*a* 28	3	*b* 32.37	6.9
Milwaukee, [Pomeroy]	36.87	40 53	36.50	37.97	7	49	30	44.67	3	27	3	30.67	7.2
Milwaukee, [Winkler]	36.72	43.82	37.97	39.50	30	58	30	52.33	15	27	3	*c* 30.67	5.1
New Danemora	30.40	49.03	31.34	37.92	30	71	30	52.67	1	9	1	*b* 26 67	4.0
Platteville	35.50	48.67	38.40	40.86	30	79	30	66 00	4	17	15	25.67	5.5
Warsaw	33.50	19.77	36.83	40.03	29	86	30	67.09	5	12	4	22.67	4.6
Iowa—													
Bellevue	37.83	51.13	41.23	43 40	30	72	30	58.67	4	24	4	28.00	6.9
Bur er Plains	39.50	47 37	37.33	41.40	30	74	30	62.33	4	16	4	24.33	5.9
Burlington	41 13	58.86	47.03	49.11	30	78	10	65.67	4	25	4	29.67	6.3
Dubuque	40.23	49.13	44.73	43.70	30	69	30	59.33	4	25	4	29.33	5 1
Fairfield	40.55	51.70	42 07	44.77	24	75	10	64.33	4	24	4	27.00	5.7
Fort Madison (*d*)	38.57	52.17	17.63	46.12	25	72	10	63.33	4	*e* 23	4	29.33	5.4
Franklin	36 03	47.57	40.60	41.40	30	73	30	65.00	4	18	4	24.67	5.3
Muscatine	35.53	51.53	41.63	43.23	30	72	30	60.67	4	22	4	26.00	5.4
Pleasant Plain	37.20	52.43	42.60	44.08	30	72	30	61.63	4	22	4	26 67	5.1
Poultney	35.63	15.41	36.05	39 03	..	?	..	?	---	?	..	?	----
Rossville	32.90	44.76	37.26	38.31	30	72	30	59 83	4	16	4	23.40	5.5
Minnesota—													
Beaver Bay, [Clarke]	30.82	36 15	30.70	32.56	29	59	29	48.83	1	12	1	18.67	5.3
Beaver Bay, [Wieland]	29.02	40.35	27.97	32 45	30	66	30	49.67	1	10	1	*f* 19.00	-
Burlington	27.37	41.20	29.50	32.69	29	62	29	43 33	4	12	4	23.67	4.5
Forest City	35.67	44 63	31 83	37.39	30	76	30	62.33	3	17	3	23.00	2.5
Hazlewood	31.27	42.17	34.30	35 91	30	72	30	58.33	4	18	3	23.33	5 5
Princeton	32.77	44.50	36.50	37.92	30	76	30	66.33	5	*f* 15	3	24.00	5.1
Nebraska—													
Belevue	36.97	50.43	40.32	42.57	25	72	30	73.33	4	15	4	21.67	4.8
Elkhorn	34 00	49.43	37.97	40.47	30	74	30	63 00	3	10	3	16.67	5.7
Omaha, [Rain]	35.30	47.96	40.40	41.22	19	70	30	63.67	3	15	4	20.67	5.5
Kansas—													
Burlingame	42.26	59.57	45.57	49.13	9	88	9	71.67	3	21	3	28 33	3.8
Lawrence	42.50	58.87	17.67	49.68	9	87	9	69.67	4	22	4	2-.67	5.0
Leavenworth City	-----	-----	-----	-----	-----	-----	--	-----	-----	-----	--	-----	4.0
Manhattan	43 30	60.10	17.17	50.19	9	90	9	76.33	4	22	3	26.67	4.7
Neosho Falls	44.10	61.63	50.27	52.00	9	89	9	73 67	4	24	4	31.00	3.8
Utah—													
Great Salt Lake City	42.00	52.00	43.00	45.67	----	76	----	------	----	16	----	-- ----	----
Oregon—													
Fort Vancouver	44.16	57 60	69.36	49.97	----	------	..	- ----	----	-------	----	-------	----
Portland (*g*)	44.70	59.90	53.63	52.71	5	70	21	61.00	2	31	10	41.33	----
California—													
Sacramento	52.40	62.37	56.57	57.11	15	76	16	67 67	3	41	1	46.67	3.0
San Francisco	50.20	61.00	49 90	53 70	15	85	15	66.33	11	45	11	48.67	3.9
Mexico—													
Cordova (*h*)	72.18	76.21	73.44	74.32	13	83.8	----	------	17	61.9	--	-------	----
Minatitlan	76.23	88.33	78.68	81.08	2	98	29	88.33	18	65	18	71.67	4.0
Mirador (*i*)	67.85	79.84	69.94	72.51	----	----	--	------	18	55.9	--	------	----
Vera Cruz (*j*)	79.45	------	78.46	78.95	----	----	--	------	---	-------	----	-------	----
West Indies—													
Nassau Bahamas (*k*)	------	------	------	81.61	15	186	1	85.00	2	76	22	76.00	----
St George's, Bermuda (*m*)	------	----	------	61 7	...	73		-		54 5		-------	----
Turk's Island, Bahamas (*g*)	75.33	79.37	76 53	77.08	1	85	9	78.67	6	*o* 74	14	*p* 75.00	----
Central America—													
Guatemala (*q*)	------	------	------	68.70	25	84.9	--	------	10	53.2	----	-------	----
South America—													
Catharina Sophia, Surinam (*r*)	75.00	86.00	79.45	80.15	----	?	--	?	---	?	--	?	5.0

a Same temperature on the 5th and 8th.
b Same temperature on the 8th.
c Same temperature on the 15th.
d Observations taken at 6 a. m., noon, and 7 p. m.
e Same temperature on the 5th.
f Same temperature on the 8th.
g Observations taken at 6 a. m., noon, and 6 p. m.
h Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 74 59; mean at 6 p. m., 75.18.
i Observations taken at 7 a. m., 2 p. m., and 8 p. m.
j Observations taken at 8 a. m. to 11 a. m. and at 9 p. m. to 11 p. m.
k Mean obtained from daily maximum and minimum.
l Same temperature on the 14th.
m Observations taken at ½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
n Same temperature on the 23d.
o Same temperature on the 13th, 14th, 20th, 21st, 25th, and 26th.
p Same temperature on the 25th.
q Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
r Observations taken at 6 a. m., 2 p. m., and 6 p. m. Omitted for the first 8 days.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	58.77	.....	55.13	56.95	8	77	8	74.50	9	44	9	45.50	....
Moose Factory (*b*)	32.63	50.05	38.53	40.40	....	69	....	.....	....	15	....	.....	....
Red River Settlement	47.56	61.70	48.97	52.74	16	76	....	?	12	25	12	30.00	4.2
Rigolet (*c*)	33.00	.....	40.13	36.56	18	56	18	49.50	16	18	5	24.50	....
St John's	50.00	65.45	47.48	54.31	12	78	29	69.67	11	34	1	41.33	5.4
St. Martin (*d*)	50.36	71.37	56.90	59.54	26	92	26	77.97	11	35	17	48.20	....
Stanbridge	54.39	66.39	54.81	58.53	7	85	27	74.67	1	*e* 40	9	44.33	3.6
Toronto (*d*)	50.37	60.70	52.72	54.62	7	76	7	65.92	14	41	9	45.48	4.1
Windsor	49.03	61.92	51.66	54.20	7	77	26	67.50	11	36	10	41.33	5.3
Wolfville	54.20	63.59	52.64	56.81	27	83	26	73.33	16	38	9	45.17	5.1
MAINE—													
Cornish, [West]	50.61	64.13	52.42	55.72	7	*f* 84	8	73.00	10	36	10	39.67	4.3
Cornishville	54.48	65.51	56.48	58.82	7	86	7	76.33	10	41	10	43.67	5.0
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.7
Gardiner	52.67	63.64	51.29	55.87	8	79	7	67.33	10	41	9	46.67	5.4
Lisbon	52.22	64.97	52.25	56.48	8	86	8	71.33	10	*g* 40	10	46.67	4.2
Perry	47.58	60.69	48.15	52.14	7	80	25	62.17	10	36	12	*h* 44.50	3.7
Portland	51.37	58.97	51.16	53.83	8	79	8	68.33	10	42	10	43.67	4.7
Steuben	50.00	59.03	46.74	51.92	7	78	8	62.67	10	*i* 36	10	42.00	5.7
NEW HAMPSHIRE—													
Shelburne (*j*)	43.71	72.61	52.80	56.37	27	95	27	72.00	3	27	3	45.23	4.6
Stratford	49.48	66.90	51.65	56.01	26	85	25	74.00	9	36	9	44.67	4.5
VERMONT—													
Brandon	52.21	68.31	55.65	58.72	7	90	27	75.00	3	38	9	41 67	4.2
Burlington	53.58	64.81	55.26	57.88	26	*k* 82	27	75.33	9	39	9	42.00	3.5
Craftsbury	50.13	64.77	54.74	56.55	7	81	27	72.00	1	39	9	41.00	4.0
Rupert	54.13	71.16	64.19	63.16	7	90	7	75.33	1	36	9	51.33	3.8
St. Johnsbury	41.42	67.23	51.77	53.47	7	87	27	73.67	3	33	3	45.33	3.5
MASSACHUSETTS—													
Amherst	52.59	68.67	56.32	59.19	7	*f* 86	8	72.00	11	*l* 44	10	45.20	4.2
Bridgewater (*m*)	53.98	61.52	52.57	56.02	7	84	7	70.00	12	*n* 42	11	*l* 43.67	5.3
Cambridge	53.07	66.43	54.03	57.84	8	86	8	71.00	16	42	12	45.00	4.9
Florida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.2
Lawrence	52.29	64.24	54.19	56.91	7	87	8	72.67	12	41	10	*o* 43.00	4.6
Mendon	53.26	65.55	54.29	57.70	7	*f* 86	8	73.00	9	*p* 41	11	42.00	4.8
Nantucket	54.59	58.78	51.03	54.80	24	69	27	61.17	16	41	11	45.17	4.6
New Bedford	52.84	61.69	51.15	55.23	27	73	27	64.00	11	42	11	43.50	5.9
Richmond	50.35	69.42	59.74	59.84	7	*q* 84	26	73.67	23	38	10	42.67	4.3
Westfield	51.13	68.40	55.39	58.31	7	*f* 85	7	71.00	11	42	10	44.00	4.7
Williamstown	55.16	65.79	55.40	58.78	8	82	8	73.00	2	*r* 44	10	47.67	?
Worcester	54.22	66.97	55.62	58.94	8	87	8	74.00	11	40	11	42.83	5.2
RHODE ISLAND—													
Providence (*s*)	53.11	64.50	53.00	56.87	26	80	26	66.00	16	42	11	44.33	5.3
CONNECTICUT—													
Columbia	53.23	67.94	52.10	57.76	7	90	8	72.00	12	40	11	42.00	4.6
Middletown	53.91	70.90	53.90	59.57	7	90	9	71.33	11	*l* 43	11	44.50	4.1
Pomfret	51.79	64.39	52.15	56.11	8	82	7	67.50	11	39	11	40.50	4.7
Saybrook	52.68	62.35	53.68	56.24	8	*k* 72	27	63.33	11	44	11	46.67	5.1
Wallingford	51.29	68.64	54.10	58.01	8	87	8	68.83	16	42	11	44.17	4.0
NEW YORK—													
Belleport	54.90	61.02	52.61	56.18	14	73	8	63.33	3	41	11	46.33	4.7
Beverly	54.16	64.96	56.50	58.54	7	81	27	64.67	11	43	11	45.33	4.3
Buffalo (*t*)	56.97	63.93	59.00	59.97	25	75	25	71.33	9	43	9	48.00	2.8
Flatbush	55.65	66.47	54.47	58.86	8	87	8	71.33	3	44	11	45.80	4.7

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise, 2 p. m., and 10 p. m.
c Observations taken at sunrise and sunset.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 2d and 9th.
f Same temperature on the 8th.
g Same temperature on the 16th.
h Same temperature on the 18th.
i Same temperature on the 15th.
j Observations taken at sunrise, noon, and 9 p. m.
k Same temperature on the 27th.
l Same temperature on the 12th.
m Observations taken at 7 a. m., 2 p. m., and 7 p. m. Incomplete.
n ame temperature on the 13th.
o Same temperature on the 17th.
p Same temperature on the 11th and 12th.
q Same temperature on the 26th.
r Same temperature on the 10th.
s Observations taken at sunrise, 1 p. m., and 10 p. m.
t Observations taken at 8 a. m , 2 p. m., and 9 p. m.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Fort Edward	54 65	67.90	57.68	60.08	8	84	27	73.67	9	43	9	45.00	5.0
Nichols	56.10	73.71	54.68	61.50	7	*a* 90	26	74.00	1	*b* 44	10	49.33	5.1
Oswego	54.78	65.84	52.71	57.78	8	83	25	71.33	14	*c* 44	9	45.00	3.5
Penn Yan (*d*)	47.87	70.61	58.48	58.99	8	88	25	73.00	23	35	9	46.67	5.6
Rochester, [Dewey]	57.29	69.03	60.10	62.14	8	*e* 88	25	79.33	9	45	9	46.67	3.2
Wampsville	55.90	70.90	54.55	60.48	8	86	26	72.67	1	44	9	50.67	3.8
Waterford	57.32	69.24	59.10	61.89	8	87	26	76.67	9	*f* 46	10	48.67	3.9
NEW JERSEY—													
Freehold	54.46	69.52	56.03	60.00	8	88	8	71.33	16	44	11	45.33	----
Lambertville	54.12	71.47	58.18	61.26	8	90	27	74.30	4	45	11	47.33	5.4
Moorestown (*g*)	59.38	70.39	58.55	62.77	27	84	----	?	----	-------	11	49.33	4.4
Newark (*h*)	-------	-------	-------	59.51	7	82	7	75.75	2	*i* 41	11	46.50	----
PENNSYLVANIA—													
Bedford	56.93	75.58	61.48	64.66	9	87	26	76.67	1	*j* 46	11	*k* 54.33	3.1
Bellefonte	57.77	77.39	60.45	65.20	6	*l* 88	21	74.00	2	44	11	56.00	4.3
Berwick	59 56	72.55	62.00	64.64	7	*m* 86	26	74.33	10	*k* 49	11	52.00	3.7
Cannonsburg	57.06	73.90	65.93	65.63	8	84	25	71.00	14	50	27	59.67	3.4
Carlisle	59.67	71.14	62.05	64.24	8	84	8	75.33	12	50	12	52.80	4.2
Chambersburg	61.90	74.58	61.84	66.11	9	*a* 90	9	75.33	5	50	12	55.00	4.5
Easton (*n*)	58.45	72.16	57.65	62.75	9	89	8	72.17	11	*o* 45	11	47.00	4.3
Fleming	57.81	77.03	57.25	64.03	7	*m* 90	13	74.67	2	45	17	55.67	4.1
Gettysburg	57.45	70.17	63.39	63.67	8	85	8	78.33	2	47	11	53.33	3.8
Harrisburg, [Heisely]	60.74	75.32	67.58	67.88	9	90	9	77.67	2	*j* 52	11	54.67	4.1
Harrisburg, [Hickok]	57.50	72.84	63.90	64.75	9	87	9	72.83	2	48	11	52.67	4.3
Lewisburg	58.80	71.52	60.21	63.51	7	85	27	71.67	17	48	11	52.07	5.3
Morrisville	56.06	69.84	57.06	60.99	9	84	27	71.00	11	*p* 44	11	45.33	3.5
Mount Joy	62.26	78.48	65.47	68.74	9	93	26	79.33	4	49	11	52.17	3.1
Norristown	54.98	68.13	58.90	60.67	9	80	9	71.00	5	45	10	49.00	4.4
North Whitehall (*q*)	51.10	72.45	64.87	62.81	9	87	20	72.33	4	38	11	49.33	4.1
Philadelphia	59.66	72.24	62.06	64.65	8	*r* 85	9	74.50	11	48	11	49.70	4.7
Pittsburg, [Marine Hospital]	60.38	73.83	65.03	66.41	13	*s* 82	26	73.33	23	51	23	58.67	4.7
Pocopson	57.26	71.94	58.95	62.72	27	86	10	73.67	5	40	11	48.67	4.3
Shamokin	47.90	70.33	61.16	59.80	9	88	9	72.00	5	34	28	48.00	4.2
Somerset	56.10	75.16	58.65	63.30	8	*a* 86	21	*a* 70.67	22	*t* 48	28	54.00	4.9
Tarentum	58.68	76.19	60.74	65.20	8	*u* 86	26	*v* 71.67	11	*t* 48	10	56.00	----
West Haverford	57.19	71.45	-------	64.32	8	84	8	*u* 73.00	11	45	11	46.00	4.3
Worthington (*w*)	54.52	71.81	70.55	65.63	8	84	7	73.33	23	43	23	57.33	----
MARYLAND—													
Annapolis	58.24	69.52	63.92	63.89	27	80	27	72.50	2	46	11	51.67	4.2
Baltimore (*g*)	61.14	70.85	66.84	66.28	9	*x* 85	9	75.00	11	52	----	?	5.0
Bladensburg	57.95	74.36	58.00	63.44	27	90	27	76.00	5	39	----	?	4.6
Chestertown	58.84	70.45	59.25	62.85	27	84	9	72.83	12	46	12	48.50	4.1
Frederick	59.93	71.04	61.33	64.10	8	82	27	73.33	2	50	11	53.17	5.5
Leitersburg	59.03	73.32	60.06	64.14	9	86	21	71.67	11	50	11	52.67	4.1
Leonardtown	58.97	73 21	60.57	64.25	9	88	9	73.33	2	46	11	51.67	4.3
Sykesville	58.26	72.23	61.65	64.05	7	*m* 85	8	*u* 73.33	2	*y* 50	2	51.00	4.0
DISTRICT OF COLUMBIA—													
Washington	59.52	71.00	64.03	61.85	27	84	27	74.00	2	48	11	52.67	4.1
VIRGINIA—													
Crichton's Store (*z*)	61.78	76.05	73.47	70.43	27	89	----	?	5	48	----	?	4.4
Cross Creek	53.63	81.42	60.08	65.04	6	93	13	70.00	3	41	23	56.00	----

a Same temperature on the 26th.
b Same temperature on the 28th.
c Same temperature on the 30th.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 25th.
f Same temperature on the 10th and 17th.
g Incomplete.
h Daily maximum and minimum.
i Same temperature on the 4th and 5th.
j Same temperature on the 4th.
k Same temperature on the 17th.
l Same temperature on the 7th, 8th, and 27th.
m Same temperature on the 8th.
n Observations taken at 8 a. m., 2 p. m, and 10 p. m.
o Same temperature on the 1th.
p Same temperature on the 12th.
q Observations taken at sunrise, noon, and sunset.
r Same temperature on the 27th.
s Same temperature on the 25th and 26th.
t Same temperature on the 23d.
u Same temperature on the 9th.
v Same temperature on the 29th.
w Observations taken at 6 a. m., noon, and 6 p. m.
x Same temperature on the 10th.
y Same temperature on the 14th and 15th.
z Observations taken at 7 a. m., noon, and 5½ p. m.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY				LOWEST DEG.		COLDEST DAY		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp	Date	M'n temp	Date	Temp	Date	Mean temp	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Falmouth	64.06	73.48	62.58	66.71	9	*a* 88	27	78.00	6	51	11	53.67	....
Kanawha	57.48	76.64	62.76	65.62	13	86	9	71.67	1	48	15	*b* 59.00	3.5
Lewinsville	59.84	74.48	61.74	65.35	9	87	9	74.00	4	51	11	53.33	4.2
Lewisburg	59.81	75.74	68.55	68.03	5	*c* 82	21	75.00	2	*d* 48	29	58.67	3.1
Montross	59.10	71.58	61.00	63.89	27	83	10	79.67	2	*e* 48	11	49.33	3.8
Mont View	58.71	75.72	64.03	66.16	8	*f* 88	26	76.00	12	*g* 50	11	53.33	3.7
Point Pleasant	69.45	80.32	70.74	73.50	26	*d* 86	13	*h* 78.33	1	56	1	59.00	5.2
Poplar Grove	57.77	81.23	60.39	66.46	13	93	31	74.67	23	46	22	60.33	3.9
Portsmouth	59.47	72.89	57.73	63.36	9	*a* 88.5	9	75.17	2	41.5	2	50.83	3.2
Rose Hill	----	----	----	----	----	85½	----	-- -	--	49½	---	------	----
Rougemont	62.53	73.29	66.30	67.37	27	86	30	76.00	2	51	2	57.00	4.0
Rutnven	58.96	74.90	60.15	64.67	27	89		?	2	*i* 49	----	?	3.0
Smithfield	55.46	71.79	62.21	63.05	27	82	27	74.67	3	47	11	53.50	3.9
Westwood	58.73	76.00	64.26	66.33	27	90	31	76.33	2	41	11	54.35	--
Winchester	61.29	76.97	64.71	66.66	9	91	9	78.33	10	52	11	57.00	3.9
NORTH CAROLINA—													
Chapel Hill	61.29	79.65	63.65	68.20	14	*a* 90	31	78.33	3	46	1	*j* 59.33	3.3
Davidson College	58.93	73.60	62.71	65.08	13	82		?	2	48	---	?	3.1
Green Plains	59.90	76.55	62.00	66.15	27	89	27	75.67	3	*i* 48	1	53.67	--
Murfreesborough (*k*)	63.55	76.37	65.65	68.86	31	87	27	*l* 76.67	12	*m* 54	12	58.00	3.5
SOUTH CAROLINA—													
Aiken	62.13	80.97	65.07	69.39	14	93	14	82.00	1	49	2	*n* 60.33	3.3
All Saints	64.65	76.45	67.87	69.32	27	83	10	76.00	2	50	2	6 .67	2.8
Charleston	66.61	77.39	70.55	71.52	10	*o* 82	21	7 .67	2	53	2	63.67	--
Columbia, [Barton]	69.00	80.81	67.68	69.50	14	93	31	76.00	3	47	1	61.50	4.3
Columbia, [Whit.]	65.23	80.06	71.55	72.28	27	90	27	81.00	1	49	1	63.00	3.2
St. John's	64.97	79.11	63.70	69.26	14	89	2	------	2	50	----	--------	3.6
GEORGIA—													
Athens	64.78	76.58	66.06	69.14	14	88	14	78.03	3	53	3	62.00	3.3
Atlanta	64.16	75.90	68.26	68.77	14	*b* 88	14	78.00	1	*p* 52	1	60.67	2.6
Augusta	69.85	88.00	70.63	76.16	14	100	14	86.67	1	59	1	*n* 66.00	3.5
Savannah	66.60	78.40	70.00	71.67	14	89	14	78.43	1	54	2	62.43	3.5
Sparta	59.74	84.16	67.6	69.70	14	93	14	78.33	2	*n* 51	2	60.33	3.2
Thomaston	-----	---- -	------	-----	----	------	---	------	----	------	---	------	3.0
Thomson	71.83	83.13	68.07	74.34	27	95	14	85.67	2	54	---	?	4.7
Whitemarsh Island	69.35	76.77	70.19	72.10	14	*b* 85	15	77.67	2	58	2	64.33	3.2
FLORIDA—													
Alligator	71.55	87.16	71.00	76.57	15	*q* 96	15	83.33	3	*r* 64	4	67.67	2.4
Atsena	72.29	79.61	75.61	75.84	12	*s* 86	15	80.00	1	*j* 64	1	68.67	1.4
Belair	70.10	83.52	76.77	76.80	15	92	15	83.67	1	*j* 62	1	69.33	3.9
Gainesville (*t*)	66.13	80.97	73.28	73.46	15	86	21	*u* 76.00	2	59	1	66.67	3.0
Jacksonville	73.72	81.26	71.61	75.54	18	*a* 87	18	80.67	1	64	2	*i* 69.00	2.7
Micanopy	70.77	87.13	69.76	75.99	18	97	15	80.67	1	62	1	68.33	3.8
St Augustine	75.23	77.68	73.97	75.63	19	89	19	80.00	1	69	1	69.67	2.6
Salt Ponds (*v*)	78.08	83.39	------	80.71	31	87	20	*l* 83.50	2	75	2	77.50	2.8
Seville	69.36	------	-------	------	15	98	----	?	2	62	----	?	3.0
ALABAMA—													
Carlowville	68.78	81.58	72.06	74.14	15	*w* 91	23	*x* 82.67	1	50	1	58.33	2.1
Greene Springs	68.51	82.21	69.11	73.30	31	91	26	79.87	23	56	3	62.33	3.2
Greensborough	67.72	79.54	70.10	72.45	15	*m* 87	----	?	28	*f* 8	----	?	3.3
Montgomery	69.57	83.11	72.27	75.99	15	*m* 89	16	79.67	2	61	1	66.33	2.8
Moulton	70.28	74.93	72.36	73.52	26	82	26	78.60	2	63	1	65.60	5.2
Selma	64.52	82.81	74.06	73.81	15	90	31	81.67	28	58	1	66.67	4.2

a Same temperature on the 27th.
b Same temperature on the 5th.
c Same temperature on the 13th and 14th.
d Same temperature on the 29th.
e Same temperature on the 11th.
f Same temperature on the 9th
g Same temperature on the 23d.
h Same temperature on the 26th.
i Same temperature on the 5th.
j Same temperature on the 2d.
k For the last 20 days of the month only.
l Same temperature on the 3 st.
m Same temperature on the 16th.
n Same temperature on the 3d
o Same temperature on the 18th, 20th, 21st, and 27th.
p Same temperature on the 7th.
q Same temperature on the 15th.
r Same temperature on the 4th and 5th.
s Same temperature on the 13th and 24th.
t Observations taken at 6 a. m., 2 p. m., and 9 p. m.
u Same temperature on the 22d.
v Therm ometer 2½ to 2¾ degrees too high.
w Same temperature on the 23d and 24th.
x Same temperature on the 24th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
MISSISSIPPI—													
Columbus	67.32	82.86	70.09	73.42	15	91	31	81.23	28	57	3	62 10	3.4
Natchez	66.06	80.68	74.26	73.37	12	89	25	79 33	28	56	28	65.33	4.0
Paulding	70.35	85.01	70.67	77.34	15	93	26	84.33	28	59	3	69.00	3.8
LOUISIANA—													
Black River	69.97	82.29	75 26	75.84	12	*b* 88	26	82.00	1	*c* 63	28	66.33	3.9
New Orleans (*d*)	79 52	82.61	83.45	81 86	20	*e* 91	26	88.33	2	69	2	72 67	----
TEXAS—													
Austin, [Palm]	72 58	87.45	72.55	77.53	31	95	31	83.00	5	*f* 61	27	68.33	4.8
Austin, [Van Nostrand]	71.54	86 24	73.64	77.13	31	95	22	83.00	8	61	8	65.20	5 3
Latrisst	70.43	84.10	74.75	75.09	18	93	18	82.00	28	60	28	66.00	4.3
New Braunfels	72.03	88.81	77.55	79 46	2	97	25	85.33	7	60	8	69.00	1.3
Northern tier of counties (*g*)	70.34	80 70	71 57	74.50	---	------	---	------	---	------	---	------	----
Roundtop	71 60	88.00	75.00	78.00	---	95	--	----	---	59	---	------	----
Sisterdale	71 86	87.22	73 94	77.65	21	96	20	84.76	8	59	8	64.10	5.0
Union Hill	68.39	83.94	70.35	74.23	22	*h* 90	21	*i* 78.00	9	59	3	67.00	5.9
Washington	73.25	89.06	72.56	78.29	30	*j* 94	30	*j* 82.00	---	?	---	?	4.3
Webberville	73.90	87.65	77.26	79.60	31	98	31	86.33	6	62	8	67.00	4.3
ARKANSAS—													
Washington (*k*)	64.67	83.67	------	74.17	20	*l* 90	15	*m* 80 00	28	52	28	65.00	5.0
TENNESSEE—													
Glenwood	61.04	74.69	64.71	66.81	20	84	20	75 73	1	*c* 54	27	59.27	5.0
La Grange	67.75	75.79	71.27	71.60	13	88	13	81.60	1	*c* 58	1	64.67	3.7
KENTUCKY—													
Barnstown	65.08	76.85	65.93	69.29	25	85	13	76.50	27	54	27	58.00	3.4
Danville	65 10	79.95	66.07	70.37	13	89	13	77 67	27	57	27	59.67	2.6
Louisville (*n*)	62.94	80.32	68.94	70 73	26	90	26	79.00	1	53	1	64.67	4 3
Millerstown	65 48	75.97	67 58	69.68	13	85	13	77.00	23	*o* 58	27	58.67	3 7
Paris	60.10	74.94	63 26	66.10	13	*h* 84	26	74.00	23	48	1	53.67	3 9
Springdale (*p*)	54.26	80.11	68.77	67.71	13	89	26	76.17	23	40	22	*f* 61.33	4.0
OHIO—													
Avon	58.17	70.22	58.03	62.14	26	87	25	76.17	11	45	--	?	4.0
Bellefontaine	63.12	73.84	60.49	65.82	7	84	7	72.67	14	49	27	54.33	4.0
Bowling Green	60.97	75.09	60.67	65.58	6	91	6	77.80	10	49	10	54.90	4.4
Cincinnati, [Harper]	64.65	77 10	71 03	70.93	8	84	25	78.00	1	57	27	61.33	3.4
Cincinnati, [Phillips]	62 96	78.58	68.55	70.03	8	*q* 86	25	77.33	2	54	27	60.67	4.1
Cleveland (*r*)	58.60	65.05	56.89	60.18	5	79	5	70 00	14	45	----	?	5.0
College Hill	65.06	77.00	65.61	69.22	26	86	17	*m* 74 67	4	56	10	58.67	3.8
Collingwood	58.19	70.58	61.13	63.30	7	*h* 89	25	77.00	20	42	1	52.67	----
Freedom	62.97	72.81	58.35	64.71	8	84	26	75.67	29	47	14	53.33	4.4
Hillsborough	57.98	73.09	64.79	65.29	6	*s* 82	25	*a* 71 20	11	*t* 51	27	55.67	2.6
Hudson (*u*)	60.43	71.94	63.12	65.16	7	86	7	76.40	10	45	14	51.70	5.0
Jackson, Monroe county	61.68	73.92	61.73	65.78	25	87	----	?	15	*v* 54	---	?	3.4
Kelley's Island	56.77	66.48	57.03	60.09	6	*w* 80	25	70.67	14	46	19	51.33	3.9
Madison, [Atkins]	63.61	69.16	56.80	63.19	25	94	15	83.67	22	42	10	49.00	3.7
Madison, [King]	60.74	67.90	54.10	60.91	25	86	25	75 67	15	43	15	48.67	3 7
Mantville	58.19	69.82	59.79	62.60	6	*s* 82	6	72.33	10	44	10	50.00	4.6
Mount Union	64.76	77.18	60.04	67.33	19	92	19	78 00	22	18	10	55.33	3.3
New Lisbon	65.00	83.42	66 25	71.56	6	*x* 95	26	80.67	24	51	22	58.67	2.9
Portsmouth	62.71	79.52	65.68	69 30	13	90	25	76.67	1	*y* 55	10	62.00	3.9
Rockport	61.48	71.71	62.65	65.28	5	*z* 84	25	76.67	9	*aa* 48	10	52.00	----
Savannah	61.45	76.97	59.68	66.03	7	92	26	76.67	11	40	10	50.33	4.7

a Same temperature on the 26th.
b Same temperature on the 14th, 15th, 20th, 25th, 26th, and 31st.
c Same temperature on the 28th
d Observations taken at 9 a. m., noon, and 3 p. m.
e Same temperature on the 19th.
f Same temperature on the 2 d.
g Observations taken at sunrise, 7 a. m., 2, 7, and 9 p. m. Mean at sunrise 65.91, and at 7 p. m., 73.37.
h Same temperature on the 25th
i Same temperature on the 22d and 24th.
j Same temperature on the 31st
k Observations taken at sunrise and 2 p. m.
l Same temperature on the 15th and 16th.
m Same temperature on the 16th.
n Observations taken at 7 a. m., 3 p. m., and 9 p. m.
o Same temperature on the 27th and 28th.
p Observations taken at 5 a. m., 2 p. m., and 7 p. m.
q Same temperature on the 12th, 17th, 18th, and 25th.
r Observations interrupted from the 17th to the 27th of the month.
s Same temperature on the 7th.
t Same temperature on the 22d and 23d.
u The records of thermometer at this place are 0°.85 too high.
v Same temperature on the 23d and 28th
w Same temperature on the 7th and 25th.
x Same temperature on the 7th and 8th.
y Same temperature on the 2d
z Same temperature on the 6th, 7th, 8th, 18th, and 25th.
aa Same temperature on the 10th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Troy	60.65	77.29	66.03	67.99	8	88	25	84.67	23	43	23	57.67	4.4
Urbana	60.19	77.42	61.48	66.36	7	88	25	74.67	11	*a* 50	10	55.67	4.7
Welchfield	62.71	74.03	57.96	64.90	7	89	25	77.33	10	*b* 44	10	50.67	3.0
Westerville	60.42	75.85	63.39	66.55	6	84	7	78.67	10	48	10	54.17	4.4
Windham	55.45	71.97	59.87	62.43	6	83	25	71.33	23	46	10	*a* 55.00	----
MICHIGAN—													
Battle Creek	57.68	73.58	59.16	63.47	6	89	6	*c* 74.00	9	44	9	46.33	3.6
Detroit	61.19	74.25	57.29	65.24	7	92	7	79.33	9	37	10	49.33	4.7
Grand Rapids, [Streng]	57.29	74 35	58.19	63.28	5	*d* 86	24	74.67	22	43	9	47.00	4.7
Lake George (*e*)	45.69	56.20	47.47	49.79	26	70	26	58.33	18	38	?	?	5.8
Marquette	46.02	56.84	46.09	49.65	23	84	23	66.23	13	34	?	?	5.3
Monroe, [Whelpley]	----	----	----	----	----	----	----	----	----	----	----	----	5.1
New Buffalo (*f*)	58.68	66.10	56.94	60.57	7	82	24	72.33	13	38	29	45.00	6.1
Ottawa Point (*g*)	47.39	55.00	53.58	52.25	6	*h* 66	25	62.25	14	35	9	40.50	5.2
Thunder Bay Island (*i*)	43.26	48.11	46.00	46.02	7	58	25	52.25	14	36	14	39.62	5.4
Ypsilanti	56.69	72.26	55.58	61.51	25	90	25	81.00	14	43	13	45.67	6.8
INDIANA—													
Aurora (*j*)	61.35	80.13	65.90	69.13	13	92	25	78.33	10	38	10	54.67	----
Cannelton	64.53	75.92	64.87	68.44	13	84	26	75.80	22	54	27	59.10	3.7
Logansport	61.58	76.48	63.48	67.18	6	*k* 87	24	74.33	13	50	27	54.33	5.2
Mishawaka	52.65	73.45	58.58	61.56	25	84	24	71.67	23	39	22	48.00	4.2
New Harmony	65.90	77.42	66.93	70.08	12	87	12	*l* 78.00	27	58	27	62.00	5.0
Notre Dame	61.59	71.00	62.00	64.86	7	86	7	75.33	13	45	13	52.33	5.8
Richmond, [Austin] (*m*)	60.81	78.37	----	69.59	7	90	25	81.00	23	50	10	*n* 58.00	6.2
Richmond, [Haines] (*o*)	62.42	75.45	65.71	67.86	25	87	25	76.00	23	50	10	57.00	2.6
Richmond, [Moore]	60.12	73.11	63.26	65.50	7	*p* 80	25	72.00	10	51	9	54.11	4.1
ILLINOIS—													
Augusta	59.42	71.13	63.67	64.74	24	81	5	71.00	14	*n* 50	13	53.33	4.6
Aurora	55.32	70.33	56.77	60.81	5	*q* 82	24	70.67	13	*r* 43	29	47.67	5.3
Batavia, [Capon]	55.39	69.55	55.52	60.15	5	84	5	70.67	13	40	29	47.33	5.6
Batavia, [Mead]	54.61	69.74	55.35	59.90	23	84	5	69.67	13	38	13	45.33	5.6
Carthage	61.68	72.84	66.40	66.97	23	84	18	74.00	15	48	14	52.67	----
Edgington	56.26	70.61	61.23	62.70	24	83	24	73.00	30	44	13	53.67	5.5
Elgin	54.71	68.16	56.10	59.66	6	84	5	70.33	13	41	29	46.33	6.3
Manchester (*f*)	61.83	72.06	61.58	65.16	18	81	24	73.33	10	52	14	54.67	4.8
Marengo	54.10	67.74	54.94	58.93	7	81	6	72.00	14	40	14	*s* 45.67	5.8
Ottawa	57.20	70.93	60.46	62.86	23	82	24	74.00	19	41	14	49.67	6.0
Pekin	60.11	74.68	62.11	65.63	25	84	24	74.00	27	49	14	54.00	5.2
Peoria	61.83	75.11	66.16	67.70	6	85	24	75.00	14	50	14	54.33	5.1
Riley	54.32	70.00	54.90	59.74	5	83	24	70.33	14	*n* 41	29	48.33	4.4
Sandwich	58.09	71.96	59.25	63.10	31	*t* 84	24	73.00	13	40	13	46.50	5.3
Upper Alton	61.77	73.74	63.35	66.29	4	*u* 80	8	73.33	14	49	14	53.67	3.5
West Salem	65.10	79.71	67.84	70.88	12	88	12	77.67	27	56	27	62.67	4.9
West Urbana	63.32	74.87	62.77	66.99	5	85	24	75.00	27	49	27	56.33	5.4
Wheaton	56.39	67.68	55.79	59.95	6	82	6	72.77	13	38	29	45.33	6.1
Winnebago	55.97	70.76	58.08	61.60	5	*q* 83	5	*q* 72.33	14	*n* 44	29	49.00	6.2
MISSOURI—													
St. Louis, [Engelmann]	64.92	75.61	66.24	68.92	18	85	24	75.00	14	*n* 55	14	58.67	4.6
St. Louis, [Fendler]	63.19	75.10	64.45	67.58	26	85	24	75.00	14	52	14	56.33	----
WISCONSIN—													
Appleton	52.10	68.10	53.94	58.05	5	84	7	70.00	9	38	9	43.33	4.7
Bay City	44.06	50.84	42.48	45.79	17	82	6	68.33	8	*v* 32	8	33.33	5.3
Beloit	55.48	71.77	55.84	61.03	7	85	7	71.00	14	41	14	48.33	4.4

a Same temperature on the 23d.
b Same temperature on the 14th.
c Same temperature on the 25th.
d Same temperature on the 7th and 31st.
e For the last half of the month only.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 53.02.
h Same temperature on the 24th.
i Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean at 9 a. m., 46.72.
j Observations taken at 6 a. m., 2 p. m., and 9 p. m.
k Same temperature on the 18th.
l Same temperature on the 25th.
m Observations taken at 6 a. m. and 1 p. m.
n Same temperature on the 27th.
o Observations taken at 7 a. m., 12 m., and 6 p. m.
p Same temperature on the 8th.
q Same temperature on the 6th.
r Same temperature on the 15th.
s Same temperature on the 29th.
t Same temperature on the 6th and 7th.
u Same temperature on the 5th, 6th, 11th, 12th, and 24th.
v Same temperature on the 13th.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
WISCONSIN—Continued.	°	°	°	°		°		°		°		°	
Delafield (*a*)	54.13	64.35	53.25	57 24	17	*b* 75	----	?	13	39	----	?	5.5
Green Bay	51.77	67.16	53.23	57.39	5	86	6	73.67	2	*c* 38	2	43.67	3.6
Kenosha	54.29	55.98	52.35	54.21	11	78	7	67.17	19	40	19	42.50	4.2
Madison, [Sterling]	57.55	66.45	57.42	60.47	5	79	6	72.00	13	*d* 44	13	46.33	5.0
Manitowoc	51.19	60.13	50.13	53.82	6	72	5	*e* 60.67	13	38	13	42.33	6.1
Milwaukee, [Larkin]	-------	-------	-------	-------	---	------	---	-------	----	-------	----	-------	4.8
Milwaukee, [Pomeroy]	54.58	63.84	53.71	57.38	8	83	24	73.67	19	41	19	43.00	6.7
Milwaukee, [Winkler]	52.81	60.52	51.71	55.01	6	83	24	72.67	13	38	19	41.67	3.7
New Danemora	50.71	67.55	53.08	57.11	17	84	6	69.33	13	34	13	42.50	6.1
Platteville	56.42	71.81	60.52	62.92	4	*f* 82	4	74.00	28	42	13	50.33	5.6
Wausau	53.32	67.52	54.03	58.29	1	*g* 84	6	72.67	14	*h* 40	9	46.00	6.1
IOWA—													
Bellevue	56.94	71.42	59.77	62.71	8	*i* 82	5	72.67	13	*j* 46	29	52.33	6.0
Border Plains	58.74	69.35	59.29	62.46	31	84	17	75.33	13	40	13	49.00	6.3
Burlington	64.71	74.42	63.42	67.52	4	90	23	77.33	26	48	14	52.00	5.8
Dubuque	58.77	69.81	60.48	63.02	23	84	17	76.33	26	43	13	51.00	4.9
Fairfield	60.87	70.78	60.94	64.20	17	82	5	*k* 73.00	13	45	14	50.00	5.6
Fort Madison (*l*)	59.35	70.58	64.38	64.77	23	82	23	73.67	13	48	14	51.67	4.6
Muscatine	56.84	69.65	59.81	62.10	23	82	23	72.67	13	*m* 45	14	51.33	3.8
Pleasant Plain	58.48	73.42	61.64	64.51	29	84	23	73.67	15	44	13	51.33	5.1
Poultney	59.63	70.89	56.25	62.26	23	86	---	?	13	38	----	?	5.7
Rossville	52.94	66.65	57.32	58.97	6	80	6	69.53	13	38	13	43.93	6.1
MINNESOTA—													
Beaver Bay, [Clark]	44.68	49.79	44.52	46.33	27	69	27	56.17	13	35	8	38.67	5.5
Beaver Bay, [Wieland]	45.11	56.97	44.00	48.69	17	*n* 80	24	66.00	8	35	8	37.00	5.8
Burlington	39.71	56.32	43.13	46.39	14	*o* 72	24	60.00	13	*p* 30	8	38.00	5.1
Chatfield	55.87	68.06	55.81	59.91	17	86	7	68.33	13	35	26	48.00	6.5
Forest City	55.45	63.94	53.78	57.72	23	84	23	77.67	13	36	26	44.33	3.1
Hazlewood	52.00	64.44	54.57	57.00	23	84	----	?	13	34	----	?	5.9
Princeton	54.90	66.29	54.42	58.54	24	90	24	78.33	13	38	26	43.33	5.7
NEBRASKA—													
Bellevue	58.32	70.32	61.74	63.46	31	84	31	76.33	13	40	26	49.00	4.4
Brownville	61.71	77.58	65.55	68.28	30	92	31	83.00	13	44	14	52.00	5.4
Elkhorn	58.67	74.20	62.86	65.24	31	89	31	78.00	13	39	26	44.67	5.2
Nebraska City	60.25	69.76	62.21	64.07	31	85	31	78.23	13	41	13	48.83	5.3
Omaha, [Rain]	55.77	69.22	60.90	61.96	4	84	31	76.67	13	38	13	46.67	5.1
KANSAS—													
Burlingame	59.51	73.16	62.06	64.91	24	*b* 86	24	*b* 75 00	13	45	13	48.33	3.9
Lawrence	61.00	73.13	63.55	65.89	31	86	24	76.00	13	43	13	48.00	4.9
Manhattan	58.16	73.97	62.32	64.82	28	88	31	73.67	24	42	24	48.33	5.0
Moneka	64.36	76.75	-------	70.55	30	90	30	85.00	13	50	13	54.50	4.5
Neosho Falls	61.00	75.45	63.87	66.77	24	88	24	77.33	13	49	13	49.33	3.4
UTAH—													
Great Salt Lake City	53.00	66.00	53.00	57.33	----	81	----	-------	----	38	----	-------	----
OREGON—													
Fort Vancouver	50.12	64.45	54.74	56.44	----	------	---	-------	----	-------	----	-------	----
Portland (*q*)	50.07	66.52	59.45	58.68	27	86	15	73.00	26	40	10	47.33	----
MEXICO—													
Cordova (*r*)	75.45	79.65	76.41	77.54	8	84.6	----	-------	29	*s* 70.5	----	-------	----
Minatitlan	78.68	89.97	81.11	83.25	1	*t* 96	1	88.17	29	74	27	79.17	3.0
Mirador (*u*)	70.29	82.67	72.01	74.99	----	------	----	-------	16	*v* 64.4	----	-------	----
Vera Cruz (*w*)	83.73	-------	82.49	83.11	----	------	----	-------	----	-------	----	-------	----

a Incomplete.
b Same temperature on the 31st.
c Same temperature on the 13th.
d Same temperature on the 19th.
e Same temperature on the 6th.
f Same temperature on the 6th and 7th.
g Same temperature on the 2d, 5th, and 6th.
h Same temperature on the 16th.
i Same temperature on the 18th and 23d.
j Same temperature on the 14th.
k Same temperature on the 6th and 17th.
l Observations taken at 6 a. m., noon, and 7 p. m.
m Same temperature on the 15th.
n Same temperature on the 23d.
o Same temperature on the 24th.
p Same temperature on the 14th, 15th, and 19th.
q Observations taken at 6 a. m., noon, and 6 p. m.
r Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean at 12 m., 78.0; mean at 6 p. m., 78.19.
s Same temperature on the 27th.
t Same temperature on the 2d.
u Observations taken at 7 a. m., 2 p. m., and 8 p. m.
v Same temperature on the 30th.
w Observations taken from 7 a. m. to 9 a. m., and from 9 p. m. to 11 p. m. Incomplete.

No. 18.—THERMOMETER AND FACE OF SKY, MAY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CALIFORNIA—	°	°	°	°		°		°		°		°	
Sacramento	59.23	67.77	62.10	63.03	16	*a* 80	26	71.33	3	51	2	53.33	2.1
San Francisco	54.13	64.90	53.06	57.36	26	93	26	73.67	3	*b* 48	3	51.67	3.2
Union Ranche	57.96	81.51	66.25	68.57	28	94	22	77.00	10	43	11	53.67	1.8
WEST INDIES—													
Nassau, Bahamas (*c*)	-------	-------	-------	82.50	10	88	10	87.50	14	*d* 79	25	79.00	----
St. George's, Bermuda (*e*)	-------	-------	-------	71.3	----	79.4	----	-------	----	64.7	----	---------	----
Turk's Island, Bahamas (*f*)	78.84	81.65	78.94	79.81	12	90	12	83.00	3	*g* 76	5	77.33	----
CENTRAL AMERICA—													
Guatemala (*h*)	-------	-------	-------	69.10	7	*i* 86.7	----	-------	18	54.9	----	---------	----
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*f*)	75.53	85.98	81.25	80.92	27	90	28	82.00	17	72	19	76.67	5.4

a Same temperature on the 26th.
b Same temperature on the 9th.
c Mean obtained from daily maximum and minimum.
d Same temperature on the 15th.
e Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
f Observations taken at 6 a. m., noon, and 6 p. m.
g Same temperature on the 4th, 5th, 15th, 17th, and 18th.
h Observations taken at 4 a. m., 10 a. m., 4 p. m , and 10 p. m.
i Same temperature on the 5th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	64.33	-------	61.73	63.03	29	87	28	84.00	4	41	4	41.50	----
Moose Factory (*b*)	37.02	53.98	43.87	44.96	---	83	----	-------	----	19	---	-------	----
Red River Settlement	53.13	63.80	53.36	56.76	6	85	----	?	10	30	2	41.33	3.6
Rigolet (*c*)	39.30	-------	44.87	42.08	28	72	28	68.00	2	*d* 28	4	30.50	----
St. John's	59.23	69.67	59.43	62.78	5	78	5	67.67	21	48	21	52.67	4.3
St. Martin (*e*)	55.52	71.26	61.73	62.84	27	91	29	79.63	12	31	4	45.00	----
Stanbridge	58.73	66.70	59.53	61.65	29	90	29	79.67	4	*f* 40	4	42.67	6.1
Toronto (*e*)	54.31	64.25	55.81	58.12	29	85	28	75.03	4	*g* 36	4	38.13	5.0
Windsor	57.42	69.48	58.18	61.69	28	82	28	69.51	6	44	12	50.50	6.3
Wolfville (*h*)	61.65	73.25	59.12	64.67	29	83	29	74.17	6	*g* 45	12	51.00	7.5
MAINE—													
Cornish	57.86	66.53	57.33	60.57	29	86	29	80.67	5	40	5	44.00	5.5
Cornishville	59.46	68.20	59.63	62.43	29	90	29	82.00	5	42	5	45.67	6.0
Dexter	-------	-------	-------	------	---	------	----	-------	---	-------	----	-------	6.3
Gardiner	59.60	67.20	57.93	61.58	29	84	29	79.00	5	49	5	45.33	6.5
Lisbon	60.47	68.30	58.83	62.53	29	92	29	85.00	5	42	5	46.67	5.3
Perry	53.87	64.28	53.57	57.24	14	*i* 78	27	65.50	5	38	5	42.67	4.4
Portland	59.28	64.57	57.66	60.50	29	85	29	79.67	5	45	5	48.67	6.4
Steuben	56.80	62.53	53.80	57.61	26	76	27	67.33	5	42	5	44.00	7.1
NEW HAMPSHIRE—													
Mount Washington	38.53	42.55	40.36	40.48	29	62	29	58.45	11	17	11	20.62	?
Shelburne (*j*)	50.67	73.95	59.33	61.32	29	101	29	81.00	6	27	5	44.03	6.5
Stratford	55.90	66.67	55.67	59.41	29	88	29	76.67	5	36	5	42.00	5.9
VERMONT—													
Brandon	58.48	69.33	59.41	62.41	29	89	29	81.00	5	*g* 42	4	45.67	5.7
Burlington	57.95	65.62	59.40	60.99	29	88	29	79.33	5	40	4	43.67	6.0
Craftsbury	55.57	64.90	57.59	59.35	29	87	29	77.00	11	37	4	42.00	5.2
Rupert	59.40	76.67	69.00	68.36	15	*k* 90	15	82.00	5	44	5	50.67	6.0
St. Johnsbury	53.63	67.80	55.80	59.08	29	92	29	76.67	10	37	10	40.67	5.9
MASSACHUSETTS—													
Amherst	58.49	69.77	60.16	62.81	29	91	29	77.40	12	45	5	49.70	5.8
Bridgewater (*l*)	63.65	69.64	63.44	65.58	29	91	29	80.25	6	45	5	52.58	5.9
Cambridge	60.66	71.47	59.82	63.98	29	95	29	?	4	*m* 47	5	51.33	6.1
Florida	-------	-------	-------	------	---	------	----	-------	---	-------	----	-------	6.7
Lawrence	59.57	68.48	59.84	62.63	29	91	29	79.00	4	*n* 47	5	51.00	6.3
Mendon	61.70	70.88	60.83	64.47	29	93	29	80.67	6	42	5	51.67	6.0
Nantucket	61.97	67.87	59.75	63.20	27	78	29	70.83	11	50	5	53.00	5.3
New Bedford	60.85	67.82	59.65	62.77	29	83	29	74.67	7	46	5	51.50	5.8
Richmond	55.57	73.50	64.00	64.36	15	90	30	77.67	12	34	5	46.33	5.9
Westfield	57.30	69.70	59.43	62.14	29	93	29	78.67	12	43	11	48.67	6.1
Worcester	61.13	70.00	61.48	64.20	29	92	29	81.17	5	*o* 45	5	50.17	6.5
RHODE ISLAND—													
Providence (*p*)	59.90	70.70	60.60	63.73	29	88	29	79.33	5	*g* 46	5	50.33	6.0
CONNECTICUT—													
Columbia	57.73	70.00	58.27	62.00	29	90	29	76.67	5	*g* 42	11	40.67	6.1
Middletown	60.43	73.90	60 58	64.97	29	95	29	81.30	12	45	5	50.90	4.6
Pomfret	58.92	66.45	58.38	61.25	29	87	29	75.60	4	45	5	48.83	6.1
Saybrook	59.97	69.07	60.37	63.14	28	*k* 80	29	74.00	5	*g* 47	5	51.67	5.6
Wallingford	58.53	71.17	60.23	63.31	29	94	29	80.17	5	*g* 44	11	49.67	5.1
NEW YORK—													
Bellport	62.27	67.42	60.33	63.34	26	78	29	72.67	11	47	11	50.67	5.5
Beverly	61.17	68.94	62.07	64.06	29	86	29	78.33	11	45	----	?	5.6
Buffalo (*q*)	59.20	63.11	59.60	60.64	27	79	27	76.33	4	*f* 40	4	41.33	4.0
Flatbush	62.45	71.94	62.07	65.49	29	93	29	84.20	5	46	11	50.60	5.6
Nichols	59.73	73.57	57.57	63.62	15	*r* 89	28	79.67	4	39	4	41.67	5.7

a Observations taken at 9 a m. and 9 p. m.
b Observations taken at sunrise, 2 p. m., and 10 p. m.
c Observations taken at sunrise and sunset.
d Same temperature on the 21st.
e Observations taken at 6 a. m , 2 p. m., and 10 p. m.
f Same temperature on the 5th.
g Same temperature on the 11th.
h Incomplete.
i Same temperature on the 27th.
j Observations taken at sunrise, noon, and 9 p. m.
k Same temperature on the 29th.
l Observations taken at 7 a. m., 2 p. m., and 7 p m.
m Same temperature on the 5th and 12th.
n Same temperature on the 5th and 11th.
o Same temperature on the 12th.
p Observations taken at sunrise, 1 p. m., and 10 p m.
q Observations taken at 8 a. m , 2 p. m., and 9 p. m.
r Same temperature on the 28th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Oswego	57.89	65.50	58.53	60.63	15	*a* 85	29	78.67	4	39	4	42.33	4.9
Penn Yan (*b*)	52.03	70.07	59.10	60.40	27	88	28	77.00	11	32	4	38.33	4.5
Rochester, [Dewey]	61.57	71.50	61.00	64.69	27	92	28	82.00	10	37	4	40.00	4.0
Wampsville	58.20	69.65	56.70	61.52	15	*c* 86	28	77.33	4	38	4	40.67	5.3
Waterford	60.85	70.32	63.33	64.83	29	92	29	82.67	5	43	4	*d* 49.33	5.3
NEW JERSEY—													
Freehold	62.18	74.93	64.72	67.28	29	96	29	85.33	5	43	4	*e* 52.67	....
Lambertville	64.06	77.39	62.91	68.12	29	98	29	83.67	4	44	11	51.27	4.7
Moorestown (*f*)	63.94	74.63	67.31	68.63	15	87	....	?	5	47	....	?	6.7
Newark (*g*)	.....	.....	.....	65.38	29	91	29	82.50	5	43	5	51.75	....
PENNSYLVANIA—													
Bedford	61.23	74.40	64.33	66.65	29	91	15	*h*78.00	11	39	4	47.00	4.1
Bellefonte	63.50	80.33	64.00	69.28	29	95	29	83.33	4	40	4	50.00	5.5
Berwick	63.33	74.56	64.72	67.53	29	93	29	83.33	4	43	4	48.33	3.7
Cannonsburg	60.07	70.79	65.41	65.42	27	*a* 86	28	79.67	5	40	4	50.33	5.0
Carlisle	65.65	74.37	66.34	68.79	29	92	29	83.33	4	*i* 46	4	49.50	4.8
Chambersburg	67.10	78.10	65.70	70.30	29	96	29	83.33	5	45	4	53.00	5.8
Easton (*j*)	64.57	73.70	61.59	66.62	29	95	29	83.33	4	42	4	49.50	5.1
Fleming	61.76	76.73	60.76	66.42	29	93	29	82.33	4	41	4	46.67	5.0
Gettysburg	63.32	76.50	64.93	68.25	29	94	29	80.67	5	44	4	52.33	5.1
Harrisburg, [Heisely]	66.63	78.72	71.30	72.22	29	96	29	85.33	5	47	4	55.67	4.9
Harrisburg, [Hickok]	63.68	75.47	67.43	68.86	29	94	29	82.00	5	45	4	51.33	5.4
Lewisburg	63.20	73.40	62.93	66.51	29	93	29	82.97	4	42	4	46.20	6.0
Morrisville	62.77	74.80	63.17	66.91	29	92	29	83.33	4	44	5	52 30	3.9
Mount Joy	68.25	82.72	68.67	73.21	29	102½	29	87.83	4	*i* 48	4	55.00	3.8
Norristown	64.00	74.06	64.73	67.60	29	90	29	81.67	11	46	4	53.00	5.0
North Whitehall (*k*)	58.97	73.50	66.77	66.41	29	90	29	80.33	5	38	4	49.67	5 2
Philadelphia	67.05	76.76	68.15	70.65	29	95	29	84.80	4	49	4	56.33	5.6
Pittsburg, [Marine Hos]	64.83	72.96	65.16	67.65	29	91	29	84.33	4	41	4	45.67	5.2
Pocopson	64.97	76.97	64.33	68.76	29	93	29	81.67	4	46	5	53.33	5.7
Shamokin	56.57	72.30	62.17	63.68	29	95	29	81.67	5	39	11	47.00	5.3
Somerset	58.57	72.67	59.53	63.59	29	89	28	77.67	5	37	4	42.67	6.0
Tarentum	62.13	74.63	60.23	65.66	27	*a* 91	27	*a*80.67	4	36	4	42.33	....
West Haverford	60.80	75.63	.....	68.21	29	93	29	82.00	5	42	5	52.00	5.9
Worthington (*l*)	58.47	70.10	69.23	65.93	29	88	27	78.67	11	37	4	44.67	....
MARYLAND—													
Annapolis	66.50	76.05	70.88	71.14	14	*a* 89	29	84.16	5	43	4	53.83	5.2
Baltimore (*m*)	64.94	73.93	67.82	68.90	14	86	....	?	5	45	5	55.17	5.8
Bladensburg	64.08	79.80	65.69	69.86	3	92	28	79.67	5	43	....	?	5.5
Chestertown	67.47	74.79	65.57	69.28	29	91	29	83.33	5	45	5	52.00	5.0
Frederick	68.20	74.73	67.05	69.99	29	89	29	84.17	4	49	5	56.27	5.1
Leitersburg	64.97	77.43	64.77	69.06	29	94	29	83.00	5	35	5	50.00	4.7
Leonardtown	68.43	78.15	69.64	72.07	29	89	29	83.67	5	45	....	?	5.9
Sykesville	63.70	73.30	65.80	67.60	29	85	29	80.67	5	40	5	51.33	4.6
DISTRICT OF COLUMBIA—													
Washington	67.57	77.17	69.33	71.36	29	91	29	84.33	5	45	5	53.67	5.4
VIRGINIA—													
Crichton's Store (*l*)	66.86	82.58	78.82	76.09	30	97	30	88.00	5	43	....	?	6.1
Cross Creek	55.86	75.57	61.00	64.14	28	*a* 93	28	*a*81.00	5	30	4	43.33	....
Falmouth	69.53	77.77	66.60	71.30	29	96	29	85.00	4	47	4	55.00	....
Kanawha	62.96	77.20	65.38	68.51	29	91	....	?	5	42	4	52.00	5.1
Lewinsville	66.13	78.23	67.70	70.69	29	92	29	82.33	4	*i* 47	4	52.67	6.0
Lewisburg	63.53	77.10	69.17	69.93	27	*a* 90	29	81.33	5	38	5	50.67	4.1
Montross	65.73	76.17	67.10	69.67	29	90	29	82.67	5	41	5	46.67	5.7
Mont View	66.00	78.30	68.40	70.90	29	92	29	86.00	5	40	5	52.00	5.5

a Same temperature on the 29th.
b Observations taken at sunrise, 2 p. m., and sunset.
c Same temperature on the 27th.
d Same temperature on the 5th and 9th.
e Same temperature on the 11th.
f Incomplete.
g Daily maximum and minimum.
h Same temperature on the 28th.
i Same temperature on the 5th.
j Observations taken at 8 a. m, 2 p m., and 10 p. m.
k Observations taken at sunrise, noon, and sunset.
l Observations taken at 6 a. m , noon, and 6 p. m.
m For the first half of the month.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Point Pleasant	65.90	81.20	69.30	72.13	29	98	29	88.33	4	32	5	44.67	2.8
Poplar Grove	62.60	79.90	64.47	68.99	27	93	29	80.67	5	38	5	52.67	5.7
Portsmouth	66.23	80.50	66.17	70.97	25	*a* 93.5	29	81.17	5	45.5	5	49.83	3.3
Rose Hill	------	------	------	------	---	90½	---	------	---	45	---	------	---
Rougemont	69.27	79.69	70.93	73.30	29	92	29	86.00	5	45	---	?	6.0
Smithfield	67.26	76.91	68.93	71.03	15	86	29	80.37	5	47	5	52.50	5.1
Westwood	67.69	83.50	69.50	73.56	29	96	29	86.00	5	44	5	52.67	---
Winchester	68.33	82.13	66.67	72.38	29	98	28	85.67	5	44	4	53.00	4.0
NORTH CAROLINA—													
Chapel Hill (*b*)	67.76	83.44	69.88	73.69	29	97	29	86.33	5	50	5	56.33	---
Davidson College	66.65	78.36	70.21	71.74	29	87	29	79.53	5	49	5	56.00	4.1
Green Plains	67.97	84.90	69.04	73.97	21	*c* 96	30	85.00	5	48	5	55.33	---
Murfreesborough	70.10	81.62	72.43	74.72	30	91	30	84.33	5	48	5	54.33	3.5
SOUTH CAROLINA—													
Aiken	69.38	86.00	72.33	75.90	30	96	27	83.00	6	52	---	?	5.5
All Saints	72.73	79.60	73.60	75.31	30	87	20	79.67	5	57	5	63.67	---
Charleston	74.53	82.80	76.60	77.98	30	88	17	*d*81.67	6	62	5	67.33	---
Columbia, [Barton] (*e*)	68.37	84.10	74.97	75.81	30	92	30	80.67	6	50½	5	62.83	6.1
Columbia, [White]	75.27	86.53	77.53	79.78	30	95	30	89.33	6	61	5	68.00	5.1
St. John's	72.15	81.30	71.60	75.02	30	88	30	80.33	5	57	---	?	6.3
GEORGIA—													
Athens	74.65	84.89	72.61	77.38	2	88	28	80.23	5	58	5	64.80	4.9
Atlanta	67.60	80.93	73.40	73.98	27	*c* 90	27	*c* 79.33	6	58	4	66.00	3.3
Augusta	75.28	90.18	76.00	80.49	30	100	30	84.67	5	*f* 68	5	74.33	6.0
Savannah	74.23	83.87	75.98	78.03	21	91	30	82.00	6	65	5	70.20	5.4
Sparta	67.90	87.10	74.30	67.43	30	96	28	*g*81.33	6	55	5	66.67	5.2
Thomaston	73.93	85.03	80.10	79.69	2	*c* 93	2	*h*85.33	5	*i* 65	5	72.00	5.3
Whitemarsh Island	76.17	82.31	75.73	78.07	9	*c* 88	30	83.00	6	67	5	69.00	5.2
FLORIDA—													
Alligator	76.03	90.30	78.67	81.67	11	*j* 98	16	88.00	6	*j* 70	6	71.67	3.4
Atsena	77.73	83.70	79.63	80.35	5	*f* 90	11	*d*82.67	7	*k* 74	16	76.00	3.2
Belair (*l*)	76.50	86.90	80.47	81.29	11	*m* 92	11	88.00	23	70	24	75.33	---
Gainesville (*e*)	70.82	84.77	76.96	77.52	18	*n* 89	18	*o* 80.67	9	65	24	73.33	3.9
Jacksonville	78.20	86.60	77.40	80.73	4	94	17	85.67	9	70	5	74.67	4.0
Micanopy	76.46	88.88	77.59	80.98	2	*p* 95	22	86.00	6	70	---	?	4.1
St. Augustine	78.93	82.00	77.67	79.53	18	87	18	83.00	5	*q* 74	6	*r* 76.33	3.5
Salt Ponds (*s*)	79.93	85.27	------	82.60	19	*d* 87	19	*d*84.00	22	*a* 78	23	*a* 81.00	4.4
Seville	75.90	------	------	------	14	*t* 80	---	------	4	*f* 72	---	------	4.1
ALABAMA—													
Greene Springs	72.12	85.54	73.85	77.17	28	93	28	82.83	4	*i* 62	4	67.50	4.2
Greensborough	71.96	84.13	74.26	76.78	2	91	3	82.67	5	59	4	68.17	4.1
Montgomery	72.18	86.04	75.54	77.92	2	93	2	84.30	24	64	23	*u* 71.00	4.2
Selma	72.77	86.10	77.20	78.69	3	94	2	84.67	5	62	4	72.67	5.6
MISSISSIPPI—													
Columbus	72.49	88.20	75.35	78.68	27	*h* 95	26	84.53	5	57	4	66.87	3.9
Natchez	71.07	83.10	76.07	76.75	17	*v* 88	17	*v* 83.33	6	*w* 60	5	66.67	4.8
Paulding	74.99	89.41	78.97	81.12	2	97	2	88.17	5	60	4	70.83	4.0
LOUISIANA—													
New Orleans (*x*)	83.97	85.60	86.37	85.31	2	92	18	*g*88.00	5	76	5	79.33	---
TEXAS—													
Austin, [Palm]	78.93	93.48	78.95	83.79	19	99	17	88.34	5	71	29	76.34	4.0
Austin, [Van Nostrand]	77.53	93.15	80.34	83.67	21	101	21	88.58	5	73	28	77.67	4.2

a Same temperature on the 29th.
b Observations interrupted from the 14th to the 27th, inclusive.
c Same temperature on the 30th.
d Same temperature on the 20th.
e Observations taken at 5 a. m., 2 p. m., and 9 p. m.
f Same temperature on the 6th.
g Same temperature on the 2d.
h Same temperature on the 28th.
i Same temperature on the 23d.
j Same temperature on the 15th.
k Same temperature on the 24th.
l Incomplete.
m Same temperature on the 13th.
n Same temperature on the 20th and 21st.
o Same temperature on the 4th and 21st.
p Same temperature on the 4th.
q Same temperature on the 22d.
r Same temperature on the 8th.
s Thermometer 2½ to 2¾ degrees too high.
t Same temperature on the 21st and 26th.
u Same temperature on the 25th.
v Same temperature on the 18th.
w Same temperature on the 23d and 24th.
x Observations taken at 9 a. m., noon, and 3 p. m.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Larissa	75.60	87.70	77.88	80.39	2	*a* 94	20	85.33	6	*b* 66	4	72.00	3.9
New Braunfels	75.38	96.39	83.25	85.02	21	103	26	87.67	23	66	29	80.67	2.1
Northern tier of counties (*c*)	77.40	90.66	74.50	78.24	----	------	----	-------	----	-------	----	-------	----
Roundtop	74.00	95.00	77.00	82.00	----	101	----	-------	----	66	----	-------	----
Sisterdale	77.85	93.65	79.07	83.52	21	102	21	88.36	12	*d* 72	30	76 23	3.4
Union Hill	72.93	88.07	73.73	78.24	21	96	21	83.33	5	64	27	*e* 72.00	3.8
Washington	76.40	89.17	74.50	80.02	3	*f* 95	27	84.67	4	*d* 68	29	71.33	3.1
Webberville	74.23	93.33	81.97	83.18	1	*g* 98	19	88.67	2	*h* 73	28	81.33	3.0
ARKANSAS—													
Washington (*i*)	68.90	85.13	-------	77.01	17	94	17	84.50	4	*h* 58	4	65.00	5.6
TENNESSEE—													
Glenwood	65.68	77.64	68.97	70.76	28	87	28	79.40	4	48	4	52.50	5.0
La Grange	71.48	81.45	77.71	76.88	29	89	?	?	5	55	----	?	4.1
Memphis	75.27	83.27	75.33	77.96	27	*j* 93	27	86.67	5	58	4	61.67	3.7
KENTUCKY—													
Bardstown	66.86	79.34	70.08	72.09	28	94	28	86.00	4	46	4	52.00	3.7
Danville	70.03	81.90	69.83	73.92	27	*j* 92	27	83.67	5	52	4	59.00	3.2
Millersburg	69.30	78.03	71.43	72.92	28	92	27	*j*84.33	5	46	5	56.67	4.6
Paris	64.90	76.47	68.00	69.79	28	91	28	83.67	5	45	4	49.67	4.1
Springdale (*k*)	58.15	83.45	72.60	71.40	27	*j* 96	27	*j*84.33	5	39	4	53.67	4.0
OHIO—													
Avon	62.17	70.73	61.25	64.72	27	91	28	83.83	4	39	4	44.03	4.6
Bellefontaine	63.60	74.40	62.47	66.82	28	93	28	84.67	5	39	4	46.00	4.9
Bowling Green	60.96	73.65	63.31	65.97	27	*j* 89	28	81.60	4	40	4	44.90	4.9
Cincinnati, [Harper]	68.40	77.83	73.00	73.08	28	*l* 95	28	89.00	5	49	4	57.00	4.7
Cincinnati, [Phillips]	67.20	80.07	71.33	72.87	29	98	28	*l*89.33	4	*h* 52	4	55.33	3.9
Cleveland	60.77	70.50	63.15	64.81	27	93	27	83.50	4	41	4	48.33	5.7
College Hill	68.53	77.17	64.73	70.14	27	92	29	82.67	4	46	4	52.33	3.5
Collingwood	59.80	74.67	63.63	66.03	28	94	28	84.67	4	40	4	47.33	----
Freedom	66.47	72.27	60.80	66.51	14	*m*89	27	83.33	4	34	4	38.00	5.1
Hillsborough	60.25	73.10	65.10	66.15	28	*l* 87	28	80.50	5	40	4	46.80	4.3
Hiram	61.40	72.55	60.34	64.76	27	89	28	80.00	4	37	4	40.33	6.1
Hudson (*n*)	62.03	70.09	63.37	65.16	28	88	28	82.57	4	41	4	42.47	5.0
Jackson, [Monroe county] (*o*)	64.11	75.57	62.57	67.42	28	95	----	?	5	42	----	?	?
Kelley's Island	61.16	70.06	62.20	64.47	27	85	27	78.33	4	39	4	43.67	4.3
Madison, [Atkins]	66.40	69.47	58.87	64.91	27	94	27	86.67	4	35	4	37.00	4.9
Madison, [King]	61.93	69.67	58.00	63.20	27	90	27	82.67	4	*h* 34	4	*h* 42.00	3.7
Montville	60.13	69.10	60.82	63 35	27	*j* 85	28	78.67	4	38	4	40.00	5.6
New Lisbon	61.73	76.83	62.03	66.86	28	95	28	85.33	5	31	4	43.00	2.8
Northwood	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	3.8
Portsmouth	66.23	81.53	68.45	72.07	28	97	29	86.33	5	44	4	55.33	3.4
Rockport	61.63	72.87	63.33	65.94	27	90	27	81.33	5	38	4	45.33	----
Savannah	65.20	78.33	61.60	68.38	27	98	27	85.67	4	32	4	40.33	6.1
Troy	66.07	78.69	66.47	70.41	26	96	28	84.67	5	38	4	50.67	4.7
Urbana	63.38	76.55	63.86	67.93	28	92	27	*l* 83.33	4	42	4	49.33	5.0
Welchfield	64.97	73.36	55.40	64.58	27	*j* 94	27	84.00	4	32	4	37.33	3.4
Westerville	63.65	75.22	64.78	67.88	28	92	28	85.33	4	39	4	43 67	5.6
Windham	58.90	72.10	60.27	63.76	28	88	28	78.67	4	34	4	40.10	----
MICHIGAN—													
Battle Creek	60.77	75 13	60.50	65.47	28	89	28	81.33	4	39	4	48.00	2.8
Detroit	64.30	77.90	64.90	69.03	27	*j* 92	28	85.33	1	*p* 53	1	59.67	4.3
Fort Gratiot (*q*)	55.14	65.46	63.74	61.55	28	87.8	28	80.22	11	34	4	38.87	5.5
Grand Rapids	60.40	78.13	59.60	66.04	28	93	28	83.33	3	*l* 37	3	46.00	4.6

a Same temperature on the 20th and 27th.
b Same temperature on the 23d.
c Observations taken at sunrise, 7 a. m., 2 p. m., 7 p. m., and 9 p. m. Mean at sunrise, 70.32, and at 7 p. m., 78.29.
d Same temperature on the 22d.
e Same temperature on the 28th and 29th.
f Same temperature on the 17th.
g Same temperature on the 3d and 21st.
h Same temperature on the 5th.
i Observations taken at sunrise and 2 p. m.
j Same temperature on the 28th.
k Observations taken at 5 a. m., 2 p. m., and 7 p. m.
l Same temperature on the 29th.
m Same temperature on the 27th.
n The records of thermometer at this place are 0°.85 too high.
o Incomplete.
p Same temperature on the 16th.
q Observations taken at 6 a. m., 9 a. m, 3 p. m., and 6 p. m. Mean at 9 a. m., 61.87.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Marquette	52.01	60.51	50.19	54.24	12	80	27	67.07	3	31	3	32.73	5.1
Monroe, [Whepley]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.6
New Buffalo (*a*)	62.57	69.10	57.07	62.91	28	88	28	83.67	4	34	4	39.33	5.5
Ottawa Point (*b*)	53.10	62.27	60.30	58.64	27	76	27	71.00	4	36	4	42.25	5.2
Port Huron	60.00	70.96	56.87	62.61	27	92	28	82.67	4	32	4	38.33	....
St. Mary's	49.85	64.12	52.70	55.59	25	77	27	68.33	3	35	3	39.67	4.6
Thunder Bay Island (*c*)	51.18	55.56	53.83	53.61	29	71	27	64.25	4	35	4	41.75	5.4
Ypsilanti (*d*)	60.32	73.37	58.98	64.22	28	92	28	81.33	4	36	4	41.75	5.2
INDIANA—													
Aurora (*e*)	66.02	83.23	72.73	73.99	27	*f*100	27	89.00	5	33	4	*g* 53.33	....
Cannnelton	68.09	78.16	68.59	71.61	28	89	29	82.83	4	46	4	53.60	3.7
Logansport	64.40	76.63	64.47	68.50	28	95	28	87 33	3	*h* 45	4	50.33	4.5
Mishawaka	57.77	75.50	61.63	64.97	28	90	28	82.00	4	38	4	42.67	3.4
New Harmony	70.10	79.83	70.33	73.42	27	*f* 92	28	87.00	4	50	4	54.67	4.3
Richmond, [Austin] (*i*)	64.53	76.30	.....	70.91	28	*j* 92	29	86.00	5	48	4	52.00	6.0
Richmond, [Haines]	65.30	74.70	66.43	68.81	29	87	27	81.67	5	45	4	50.00	3.2
Richmond, [Moore]	62.22	73.48	65.63	67.11	28	88	28	81.80	5	42	4	48.50	4.8
ILLINOIS—													
Augusta	61.30	74.00	67.30	67.53	26	89	26	*f*82.00	4	42	4	50.33	3.6
Aurora	59.57	73.37	59.43	64.12	28	92	28	82.33	3	37	3	*f* 15.00	4.5
Batavia, [Capon]	60.77	72.20	59.53	64.17	28	90	28	82.00	4	36	4	41.33	5.1
Batavia, [Mead]	58.20	75.40	58.36	63.99	28	93	28	82.33	3	*h* 36	4	44.67	4.8
Carthage (*k*)	63.57	77.60	69.57	70.25	28	92	28	85.67	11	49	5	53.00	....
Edgington	58.97	74.70	64 13	65.93	28	89	28	81.33	4	*g* 40	4	48.33	5.3
Elgin	59.63	71.90	58.67	63.40	28	90	28	81.67	3	35	4	42.00	4.7
Manchester (*a*)	63.70	75.17	66.23	68.37	28	90	28	83.00	4	42	4	48.67	4.6
Marengo	59.87	73.50	57.70	63.69	28	88	28	81.33	3	35	4	43.00	4.4
Ottawa	60.83	73.83	62.81	65.82	28	91	28	84.33	4	41	4	48.00	5.0
Pekin	62.43	77.60	63.46	67.84	28	92	28	82.67	4	40	4	51.67	4.4
Peoria	65.30	77.62	70.25	71.06	28	93	28	86.50	4	41	4	51.17	3.9
Riley	58.47	71.67	57.50	62.55	28	88	28	81.67	3	*h* 35	4	41.00	3.1
Sandwich	62.30	76.93	61.73	66.98	13	*f* 94	28	84.33	10	39	4	47.33	4.9
Upper Alton	64.53	77.00	66.88	69.47	13	88	27	81.67	4	40	4	48.67	2.8
West Salem	67.73	81.43	69.67	72.94	28	95	28	86.67	4	46	4	53.00	4.0
West Urbana	65.83	75.17	64.20	68.40	27	93	27	*f*84.67	3	40	4	45.00	4.8
Wheaton	62.90	71.01	59.49	64.47	28	90	28	83.00	3	36	4	42.00	5.1
Winnebago	59.88	72.56	59.23	63.89	13	*f* 88	28	79.33	4	36	4	46.00	4.6
MISSOURI—													
St. Louis, [Engelmann]	69.48	79.82	70.65	73.32	27	*f* 93	27	86.50	4	48	4	54.00	4.1
St. Louis, [Fendler]	67.43	78.97	68.65	71.68	27	*f* 93	27	85.00	4	45	4	50.67	....
WISCONSIN—													
Appleton	58.63	69.23	58.73	62.20	28	84	28	79.00	4	36	3	43.33	4.3
Bay City	53.47	62.93	53.00	56.47	27	84	27	74.67	3	32	3	38.67	3.7
Beloit	60.47	75.77	59.07	65.10	28	91	26	*f*79.00	3	36	3	44.00	3.3
Delafield	60.37	67.85	57.96	62.06	26	*l* 86	....	?	3	34	....	?	4.7
Green Bay	58.40	71.67	59.42	63.16	27	86	27	82.00	3	34	3	42.00	3.2
Kenosha	61.32	68.26	58.38	62.65	28	87	28	83.50	3	*h* 39	4	42.83	2.6
Madison	60.53	71.13	61.30	64.32	26	84	27	76.67	4	39	3	47.00	4.7
Manitowoc	56.00	64.37	55.10	58.49	27	87	27	76.33	3	37	3	42.33	5.1
Milwaukee, [Larkin]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.1
Milwaukee, [Pomeroy]	61.93	69.63	58.30	63.29	27	89	27	82.33	3	37	3	45.67	4.9
Milwaukee, [Winkler]	57.70	65.53	57.83	60.35	27	83	27	79.00	3	37	4	42.67	2.9
New Danemora	55.84	71.80	55.80	61.15	26	87	....	?	4	31	3	42.33	5.2
Platteville	59.97	74.23	61.90	65.37	26	92	26	79.33	4	41	4	52.00	4.7
Wausaw	61.70	72.80	60.60	65.03	4	81	21	77.00	4	37	3	46.33	5.6

a Observations taken at 7 a. m., 1 p. m., and 9 p. m.
b Observations taken at 6 a. m , 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 58.9.
c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 53.88.
d Incomplete.
e Observations taken at 6 a. m., 2 p. m., and 9 p. m.
f Same temperature on the 28th.
g Same temperature on the 5th.
h Same temperature on the 4th.
i Observations taken at 6 a. m. and 1 p. m.
j Same temperature on the 29th.
k Observations taken at 7 a. m., 1 p. m., and 7 p. m.
l Same temperature on the 27th.

No. 19.—THERMOMETER AND FACE OF SKY, JUNE, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
IOWA—													
Bellevue	61.80	73.83	61.87	65.83	26	*a* 86	27	78.33	3	40	4	50.00	4.8
Border Plains	64.47	76.03	63.53	68.01	7	*b* 89	28	82.33	3	45	3	50.00	5.5
Burlington	64.60	79.03	64.07	69.23	28	94	28	83.00	7	46	4	52.00	5.0
Dubuque	62.00	72.77	63.97	66.25	26	89	26	79.00	4	41	4	50.33	4.8
Fairfield	64.76	73.36	63.63	67.25	28	87	28	81.00	5	45	4	51.67	5.1
Forestville	60.03	70.21	58.03	62.76	27	92	----	?	4	42	----	?	3.4
Fort Madison (*c*)	63.03	75.53	67.77	68.78	28	90	28	83.33	4	44	4	49.00	3.6
Muscatine	59.00	72.00	63.13	64.71	13	*d* 85	27	80.00	3	*e* 40	4	48.00	4.4
Pleasant Plain	64.17	76.37	63.20	67.91	27	*a* 96	28	84.33	4	44	4	50.00	4.5
Poultney	61.08	71.09	59.36	63.84	13	*a* 88	28	77.67	5	45	4	52.00	5.3
Rossville	60.73	71.27	59.95	63.98	27	90	26	77.57	3	41	3	46.67	4.9
MINNESOTA—													
Beaver Bay, [Clark]	49.13	55.53	50.13	51.60	27	80	27	65.33	3	33	3	36.50	5.1
Beaver Bay, [Wieland]	53.93	66.57	51.20	57.23	12	*f* 78	30	69.00	4	34	3	42.33	4.6
Burlington	49.57	63.43	50.23	54.41	27	82	27	70.00	3	*e* 32	3	41.00	4.6
Chatfield	59.73	73.10	58.60	63.81	28	88	26	80.00	3	38	3	46.33	5.0
Forest City	59.23	69.30	59.47	62.67	26	83	26	76.67	3	42	3	46.67	3.2
Hazlewood	59.21	71.29	60.55	63.68	6	84	28	74.67	2	*g* 44	3	52.33	4.8
Princeton	61.77	72.23	62.20	65.40	26	89	26	80 67	3	*h* 48	3	53.00	4.2
NEBRASKA—													
Bellevue	65.70	76.90	66.71	69.77	28	93	28	84.00	3	*e* 50	3	53.67	2.7
Brownville	69.97	85.07	69.20	74.75	27	96	28	89.00	4	48	4	54.67	4.9
Elkhorn	64.66	79.20	66.67	70.17	28	93	28	85.00	3	44	3	50.33	4.8
Nebraska City	68.56	77.48	68.30	71.45	14	90	28	84.13	3	50	3	53.33	5.0
Omaha, [Rain]	63.13	76.73	66.36	68.74	28	90	28	83.00	3	*e* 50	3	52.33	4.8
KANSAS—													
Burlingame	66.96	82.00	68.40	72.45	19	98	19	84.00	3	50	3	53.33	3.6
Lawrence	70.97	81.27	68.97	73.74	29	94	28	86.00	3	54	3	57.33	4.4
Manhattan	69.20	86.83	71.23	75.75	13	97	28	88.67	3	54	4	61.33	4.2
Moneka	68.36	75.82	-------	72.09	18	*i* 92	28	88.00	1	56	----	?	4.8
Neosha Falls	67.17	80.43	68.27	71.96	29	92	27	80.67	3	49	3	56.67	3.5
UTAH—													
Great Salt Lake City	69.00	84.00	76.00	76.33	----	98	----	-------	----	68	----	---------	----
OREGON—													
Fort Vancouver	58.20	74.83	63.40	65.48	----	-------	----	-------	----	-------	----	---------	----
Portland (*j*)	56.63	77.77	70.87	68 41	22	101	21	*k* 87.00	1	42	15	59.67	----
CALIFORNIA—													
Sacramento	70.00	81.86	72.70	74.85	16	96	22	87.00	3	58	3	63.67	0.5
San Francisco	57.30	68.87	55.67	60.61	15	86	18	71.67	2	*l* 52	11	55.33	2.2
Union Ranche	69.73	96.90	78.50	81.71	21	108*m*	23	96.67	1	*n* 53	4	66.67	0.8
MEXICO—													
Cordova (*o*)	71.26	73.49	71.42	72.33	9	76.3	----	-------	4	*n* 68.7	----	---------	----
Mirador (*p*)	68.05	75.47	68.52	70.68	----	-------	----	-------	2	64.7	----	---------	----
Vera Cruz (*q*)	78.31	------	80.75	79.53	----	-------	----	-------	----	-------	----	---------	----
WEST INDIES—													
Nassau, Bahamas (*r*)	-------	-------	-------	85.06	30	88	30	87.50	9	*s* 82	13	82.00	----
St. George's, Bermuda (*t*)	-------	-------	-------	74.08	----	82.7	----	-------	----	67	----	---------	----
Turk's Island, Bahamas (*j*)	78.90	81.33	79.57	79.93	26	*u* 84	23	81.67	3	*v* 76	5	*w* 76.67	----
CENTRAL AMERICA—													
Guatemala (*x*)	-------	-------	-------	66.96	20	79.2	----	-------	7	56.3	----	---------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*y*)	74.80	84.67	79.10	79.52	12	89	4	*z* 81.00	27	72	18	77.00	6.4

a Same temperature on the 28th.
b Same temperature on the 27th and 28th.
c Observations taken at 6 a. m., noon, and 7 p. m.
d Same temperature on the 26th and 27th.
e Same temperature on the 4th.
f Same temperature on the 19th, 20th, 27th, and 30th.
g Same temperature on the 3d and 4th.
h Same temperature on the 10th.
i Same temperature on the 28th and 29th.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Same temperature on the 22d.
l Same temperature on the 8th, 9th, and 28th.
m Same temperature on the 24th.
n Same temperature on the 5th.
o Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean at 12 m, 73 00; mean at 6 p. m., 72.48.
p Observations taken at 7 a. m., 2 p. m., and 8 p. m.
q Observations taken at 6 a. m to 8 a. m, and 9 p. m. to 11 p. m.
r Mean obtained from daily maximum and minimum.
s Same temperature on the 13th.
t Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
u Same temperature on the 27th.
v Same temperature on the 5th, 6th, and 8th.
w Same temperature on the 7th.
x Observations taken at 4 a. m., 10 a m., 4 p. m., and 10 p. m.
y Observations taken at 6 a. m., 2 p. m., and 6 p. m.
z Same temperature on the 4th, 6th, 7th, and 12th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Hamilton (*a*)	72.51	.....	70.65	71.58	12	88	12	86.50	3	56	3	56.00	....
Montreal	67.79	74.93	66.29	69.67	12	90	12	85.46	3	49	3	54.50	7.8
Moose Factory (*b*)	.....	.....	.....	56.40	....	.....	....	.....	....	.....	....	.....	.....
Red River Settlement	65.26	78.23	64.67	69.39	9	*c* 91	14	79.00	25	51	....	?	4.4
St. John's	62.39	69.77	61.32	64.49	4	86	4	76.67	14	50	14	52.67	4.1
St. Martin (*d*)	64.41	79.25	65.53	69.73	12	97	23	85.30	4	36	4	57.33	3.6
Stanbridge	63.35	74.55	62.81	66.90	12	89	12	81.33	4	48	4	52.00	4.4
Toronto (*d*)	66.87	72.39	63.80	67.69	12	84	12	79.88	3	50	6	59.37	4.6
Windsor	61.44	74.44	61.63	65.84	12	83	12	72.67	4	53	....	?	5.6
MAINE—													
Belfast	65.13	77.19	71.19	71.17	12	88	13	80.00	3	55	4	61.00	....
Cornish, [West]	62.38	74.42	63.29	66.60	12	87	12	80.00	4	50	4	54.00	3.4
Cornishville	66.26	75.81	67.03	69.70	12	88	12	82.00	4	52	4	55.67	3.8
Dexter	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.6
Gardiner	64.07	73.87	63.47	67.14	12	85	12	75.67	3	54	4	59.67	4.5
Lisbon	65.09	76.84	63.58	68.50	12	89	12	*e* 80.00	4	*f* 55	4	59.33	2.7
Perry	59.55	71.37	60.29	63.74	13	87	13	71.33	4	50	4	54.00	3.7
Portland	64.74	73.02	63.48	67.08	13	*g* 85	13	78.33	4	52	4	58.67	4.7
Steuben	62.29	71.74	58.39	64.14	10	*e* 82	13	72.67	4	51	4	55.00	4.9
NEW HAMPSHIRE—													
Shelburne (*h*)	54.62	83.20	65.32	67.71	12	99	12	80.47	5	40	....	?	6.0
Stratford	59.10	73.71	59.35	64.05	12	94	12	81.33	4	42	4	48.67	4.3
VERMONT—													
Brandon	62.47	75.72	63.71	67.30	11	*i* 90	12	81.33	4	48	4	52.16	4.5
Burlington	63.71	71.42	63.45	66.21	12	85	12	80.33	4	48	4	52.00	4.2
Craftsbury	59.71	71.58	61.84	64.38	12	87	12	79.00	4	*j* 46	4	49.00	4.2
Lunenburg	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	2.9
Rupert	63.74	80.52	69.68	71.31	12	96	12	82.67	5	56	4	62.00	3.9
St Johnsbury	56.32	74.94	58.73	63.33	12	90	12	76.67	5	40	4	48.33	4.3
MASSACHUSETTS													
Amherst	62.68	75.67	64.90	67.75	12	90	12	78.90	4	*f* 53	4	57.10	4.2
Cauul ridge	64.97	78.00	65.58	69.52	12	90	12	79 67	4	54	4	59.00	4.5
Florida	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	4.8
Lawrence	64.55	74.97	64.35	67.96	12	88	12	76.67	4	53	4	59.00	7.5
Mendon	67.00	76.22	65.81	69.68	12	90	12	81.67	5	54	4	59.33	4.2
Nantucket	67.56	73.35	64.73	68.55	17	*k* 80	20	74.00	4	54	4	58.83	4.1
New Bedford	65.07	75.03	64.56	68.22	12	83	12	74.80	4	54	4	58.50	5.7
Richmond	62.61	81.74	71.77	72.04	11	*l* 96	13	82.67	1	37 ?	23	55.67	3.2
Westfield	61.29	75.61	64.06	66.99	12	*e* 90	12	79.33	6	52	4	56.67	4.7
Williamstown	62.14	72.37	63.89	66.13	11	93	11	84.26	5	46	4	54.08	4.8
Worcester	66.25	76.43	67.68	70.12	12	88	12	81.83	4	54	4	58.17	5.0
RHODE ISLAND—													
Providence (*d*)	63.50	78.20	65.80	69.17	12	90	12	77.67	4	*f* 54	4	58.00	4.1
CONNECTICUT—													
Columbia	62.68	76.16	62.39	67.08	13	93	12	80.00	3	*m* 52	4	58.00	4.3
Middletown	63.30	78.73	65.61	69.21	13	95	11	81.80	5	50	5	59.00	4.3
Pomfret	63.71	72.50	63.69	66.63	12	84	12	78.50	4	52	4	56.00	4 7
Saybrook	64.97	77.73	65.81	69.50	13	88	12	76.67	4	56	4	*n* 64.00	4.3
Wallingford	62.16	76.87	65.26	68.10	13	91	12	81.17	5	50	5	58.33	3.7
NEW YORK—													
Bellport	66.29	74 74	65.71	68.88	12	86	12	78.67	4	54	4	59.67	3.7
Beverly	64.17	74.61	64.48	67.75	13	88	....	?	4	54	4	56.00	4.1
Buffalo (*o*)	66.90	74.14	69.30	70.11	14	87	14	80.33	3	*m* 54	4	57.67	3.3
Flatbush	67.63	77.90	66.94	70.82	12	92	12	81.50	4	55	4	58.50	4.5
Nichols	64.77	81.55	61.90	69.44	19	95	19	80.33	4	46	4	52.00	4.4
Oswego	61.90	72.16	66.10	67.72	12	85	12	80.00	4	51	4	53.00	4.1

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise, 2 p. m., and 10 p. m.
c Same temperature on the 14th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 13th.
f Same temperature on the 5th.
g Same temperature on the 17th.
h Observations taken at sunrise, noon, and 9 p. m.
i Same temperature on the 12th.
j Same temperature on the 3d.
k Same temperature on the 20th.
l Same temperature on the 9th.
m Same temperature on the 4th.
n Same temperature on the 27th.
o Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Penn Yan (*a*)	57.74	78.65	65.84	67.41	11	95	13	80.67	4	*b* 42	4	49.67	5.3
Rochester, [Dewey]	65.45	79.06	67.71	70.74	11	94	12	83.67	3	*b* 51	4	57.00	3.6
Wampsville	63.29	77.29	63.39	67.92	13	90	13	78.67	3	*c* 50	4	54.67	4.2
Waterford	66.69	78.20	67.38	70.76	12	91	12	84.54	4	53	----	?	3.9
NEW JERSEY—													
Freehold	66.10	81.68	69.19	72.32	13	99	12	83.33	4	55	----	?	----
Lambertville	68.54	83.64	67.49	73.22	13	100	12	85.37	4	53	4	59.23	5.4
Newark (*d*)	-------	-------	-------	70.23	13	91	13	83.13	5	52	4	60.37	----
PENNSYLVANIA—													
Bedford	62.22	82.00	69.07	71.10	12	*e* 94	18	82.33	6	42	6	52.00	2.9
Berwick	68.15	81.67	70.76	73.53	13	96	13	86.33	3	*c* 55	4	59.33	2.5
Cannonsburg	64.48	78.71	71.42	71.54	12	*f* 90	14	81.67	4	52	6	58.67	3.7
Carlisle	71.90	80.56	72.25	74.90	2	94	----	?	6	55	4	59.33	3.7
Chambersburg	72.61	84.48	72.42	76.50	13	98	12	87.67	4	*g* 56	6	62.33	3.7
Easton (*h*)	69.06	80.77	66.45	72.09	13	96	13	84.00	3	*c* 55	4	59.00	4.6
Fleming	67.68	84.52	64.81	72.34	18	99	13	85.00	4	49	4	58.67	2.6
Gettysburg	67.90	83.97	71.97	74.61	13	97	13	87.83	4	54	4	60.67	3.6
Harrisburg, [Heisely]	72.67	86.72	78.87	79.42	13	98	13	90.33	4	57	6	68.00	3.4
Harrisburg, [Hickok]	68.27	83.06	74.37	75.23	13	95	13	86.83	4	*b* 56	----	?	3.9
Lewisburg	68.71	81.20	68.56	72.82	13	96	17	80.80	3	54	4	58.47	4.7
Morrisville	66.39	80.42	67.84	71.55	13	94	13	81.33	28	55	4	60.67	2.9
Mount Joy	74.31	89.40	74.76	79.49	12	103	13	89.67	4	60	4	66.67	3.4
Norristown	66.80	79.10	69.20	71.70	13	95	12	81.30	4	55	4	60.33	3.6
North Whitehall (*i*)	63.23	78.45	72.87	71.52	13	91	13	81.67	4	48	4	59.00	4.0
Philadelphia	72.00	82.68	73.31	76.00	13	95	13	86.50	4	58	4	63.20	4.8
Pittsburg, [Marine Hospital]	69.35	80.16	71.71	73.74	13	*f* 92	13	85.67	29	56	6	59.33	4.3
Pocopson	68.95	84.40	69.48	74.28	13	98	13	85.67	4	56	4	62.33	4.4
Shamokin	58.78	79.84	67.90	68.84	13	98	13	81.33	5	38	4	50.00	4.1
Somerset	62.77	79.57	65.42	69.25	14	96	14	82.33	4	47	6	53.33	4.3
Tarentum	67.04	81.08	65.25	71.12	12	94	13	82.67	3	50	7	56.67	----
West Haverford	66.42	81.64	-------	74.03	13	95	13	85.50	5	*g* 52	4	*b* 61.00	----
Worthington	66.19	81.44	68.32	71.98	13	96	13	85.33	4	52	6	59.00	3.6
MARYLAND—													
Annapolis	70.77	81.65	76.92	76.45	13	94	13	87.33	4	57	4	64.00	2.6
Bladensburg	68.36	85.00	68.85	74.07	13	94	13	83.67	12	40 ?	----	?	5.6
Chestertown	71.32	81.55	72.05	74.97	13	95	13	86.33	5	56	5	62.50	4.4
Frederick	72.11	81.15	73.66	75.64	13	95	13	88.33	6	56	6	63.33	4.1
Leitersburg	67.32	84.94	70.68	73.31	13	96	13	86.00	7	48	4	59.67	3.5
Leonardtown	72.15	79.20	74.96	75.44	13	*j* 90	----	?	4	59	----	?	4.6
Sykesville	67.48	77.94	70.23	71.88	13	*k* 90	13	84.33	4	*g* 50	4	57.67	4.2
DISTRICT OF COLUMBIA—													
Washington	70.77	82.16	75.48	76.13	13	94	13	87.33	4	57	4	63.00	3.9
VIRGINIA—													
Crichton's Store (*l*)	71.94	84.38	81.93	79.42	14	101	14	91.33	6	56	6	60.00	4.3
Cross Creek	63.17	84.53	66.45	71.38	12	*m* 97	12	82.00	4	46	4	58.00	----
Falmouth	75.26	86.39	72.65	78.10	14	*n* 98	14	87.33	6	57	6	63.67	----
Kanawha	68.27	83.90	71.85	74.67	18	95	18	83.33	4	*b* 57	4	61.33	4.0
Lewinsville	68.79	84.92	73.90	75.87	13	100	14	85.67	4	54	4	61.67	4.4
Lewisburg	71.10	85.03	71.65	75.93	14	*o* 92	14	80.33	31	50	31	64.00	2.3
Montross	70.77	80.90	71.23	74.30	13	93	13	83.67	4	57	4	62.33	4.1
Montview	67.94	81.19	71.00	73.38	14	96	14	85.33	4	*b* 54	4	58.00	3.7
Poplar Grove	67.87	86.45	67.97	74.10	13	*j* 99	14	83.33	5	55	6	61.00	4.1
Portsmouth	71.73	83.98	69.79	75.17	20	97.5	14	85.83	5	53.5	6	60.17	3.1
Rose Hill	-------	-------	-------	-------	----	91	----	-------	----	56½	----	-------	----
Rosemont	73.60	83.59	75.07	77.42	13	95	13	90.00	5	59	6	62.00	4.3
Smithfield	69.70	79.91	71.29	73.63	13	92	14	83.40	6	57	6	60.77	5.0
Westwood	70.26	86.04	73.35	76.55	14	100	14	89.00	4	59	6	62.00	----

a Observations taken at sunrise, 2 p. m., and sunset.
b Same temperature on the 5th.
c Same temperature on the 4th.
d Daily maximum and minimum.
e Same temperature on the 13th.
f Same temperature on the 14th.
g Same temperature on the 6th.
h Observations taken at 8 a. m., 2 p. m., and 10 p. m.
i Observations taken at sunrise, noon, and sunset.
j Same temperature on the 18th.
k Same temperature on the 12th.
l Observations taken at 6½ a. m., noon, and 6 p. m.
m Same temperature on the 13th and 14th.
n Same temperature on the 18th and 20th.
o Same temperature on the 17th

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
NORTH CAROLINA—	°	°	°	°		°		°		°		°	
Chapel Hill	72.77	87.45	74.45	78.22	18	*a* 99	18	89.67	6	53	6	59.00	5.2
Green Plains	72.45	87.10	71.52	77.06	14	102	14	90.00	6	56	6	59.33	----
Murfreesborough (*b*)	73.33	88.33	77.41	79.82	14	95	14	86.67	4	*c* 61	----	?	3.0
SOUTH CAROLINA—													
Aiken	70.97	87.31	75.00	77.76	19	98	19	88.00	6	59	5	?	4.3
All Saints	74.84	82.79	75.87	77.83	19	*a* 92	18	*d* 85 00	8	60	8	66.00	----
Charleston, [Johnson]	75.52	85.00	79.23	79.92	19	94	19	87.33	5	*e* 64	8	68.00	----
Columbia, [Barton]	70.98	86.31	76.84	78.04	18	98	19	88.00	8	57	6	65.50	5.8
Columbia, [White]	76.39	88.16	78.26	80.94	19	100	18	*d* 89.67	8	62	8	67.33	3.1
St. John's	74.37	86.00	75.40	78.59	19	98	19	87.67	7	61	7	64.67	5.1
GEORGIA—													
Athens	73.08	84.52	76.10	77.90	20	95	18	86.00	5	62	7	68.30	4.4
Atlanta	70.97	83.74	73 61	76.11	14	*f* 92	18	*g* 84.00	5	*h* 62	10	64.67	3.3
Augusta	77.81	91.90	79.16	82.96	19	102	19	90.00	6	*i* 67	7	68.00	5.2
Clarksville	70.29	82.10	76.74	76.38	19	92	18	84.00	31	62	5	*c* 66.67	5.1
Savannah	75.50	86.86	77.40	79.92	19	100	26	86.87	8	61	8	64.83	5.3
Sparta	70.23	87.74	76.00	77.99	19	*j* 97	19	87.67	6	59	6	65.33	4.3
Thomaston	76.32	87.43	81.46	81.74	20	97	20	90.33	9	65	----	?	5.0
Whitemarsh Island	76.97	84.83	76.87	79.56	19	97	26	86.00	8	64	8	65.67	4.9
FLORIDA—													
Alligator	77.03	86.61	75.81	79.82	18	100	25	87.33	9	63	9	65.67	4.5
Atsena	78.87	83.58	79.94	80.79	18	87	18	85.00	9	68	9	72.33	4.5
Belair	78.39	86.81	79.77	81.66	19	95	19	*k* 87.33	9	66	9	70.67	----
Gainesville	73.38	83.91	78.38	78.56	26	90	17	82.67	9	67	----	?	3.7
Jacksonville	79.16	84.53	78.14	80.62	26	95	25	87.67	7	*k* 70	8	71.00	4.6
Micanopy	78.16	85.28	78.56	80.67	26	94	26	86.83	9	69	9	71.40	4.8
St. Augustine	80.42	84.39	79.10	81.30	28	95	23	87.33	5	*l* 73	8	74.00	3.7
Salt Ponds (*m*)	82.42	87.68	-------	85.08	23	*n* 91	23	*k* 87.50	8	79	12	82.00	3.3
Seville	76.40	-------	-------	-------	26	82	----	------	----	?	----	--------	5.0
ALABAMA—													
Carlowville	76.66	91.38	78.21	82.08	20	*o* 96	20	86.67	6	68	----	?	2.7
Cahawba	79.59	84.87	82.28	82.25	20	92	19	*p* 87.00	9	72	9	71.33	3.3
Greene Springs	74.58	85.83	75.70	78.70	19	*j* 94	20	83.50	9	65	9	69.00	3.5
Greensborough	74.45	85.69	75.23	78.46	13	*q* 93	19	85.67	9	64	9	66.83	3.8
Selma	74.87	87.48	78.39	80.25	20	98	19	88.67	9	62	9	65.67	5.7
MISSISSIPPI—													
Columbus	75.24	89.50	77.16	80.63	20	99	19	88.03	7	66	9	74.20	3.5
Natchez	74.81	86.48	78.74	80.01	14	91	20	*k* 83.67	11	68	10	73.33	4.1
Paulding	76.88	91.33	81.62	83.28	14	98	14	*d* 88.50	10	66	----	?	4.2
Westville (*b*)	80.25	93.80	89.80	87.95	1	99	----	?	----	?	----	?	4.8
LOUISIANA—													
New Orleans (*r*)	84.65	87.65	89.39	87.23	20	95	24	91.00	10	75	10	77.00	----
TEXAS—													
Austin, [Palm]	79.71	93.81	80.83	84 82	29	101	14	89.67	5	73	4	78.67	4.0
Austin, [Van Nostrand]	78.72	94.59	81.38	84.90	28	99	14	89.16	5	75	16	80.36	3.8
Gilmer (*s*)	70.32	90.43	84.62	81.79	20	99	24	88.33	12	59	12	74.00	----
Larissa	77.55	90.61	79.53	82.56	20	*o* 100	20	89.33	6	56½	----	?	3.9
New Braunfels	78.16	96.78	83.55	86.16	27	104	31	91.67	17	70	3	79.33	2.1
Northern tier of counties (*t*)	80.13	93.42	78.02	80.92	----	------	----	-------	----	-------	----	--------	----
Roundtop	77.00	97.00	81.00	85.00	----	102	----	-------	----	72	----	--------	----
Sisterdale	80.45	95.04	79.24	84.91	14	103	10	90.83	4	74	3	78.06	3.3
Union Hill	74.03	90.19	76.78	80.33	31	97	31	86.00	10	*u* 70	2	*v* 74.33	3.8

a Same temperature on the 22d.
b Incomplete.
c Same temperature on the 6th.
d Same temperature on the 25th.
e Same temperature on the 8th.
f Same temperature on the 18th, 19th, and 20th.
g Same temperature on the 19th.
h Same temperature on the 6th, 7th, 8th, and 9th.
i Same temperature on the 7th.
j Same temperature on the 20th.
k Same temperature on the 24th.
l Same temperature on the 6th and 8th.
m Thermometer 2½ to 2¾ degrees too high.
n Same temperature on the 24th and 29th.
o Same temperature on the 21st.
p Same temperature on the 20th and 26th.
q Same temperature on the 19th and 20th.
r Observations taken at 9 a. m., noon, and 3 p. m.
s Observations taken at sunrise, 2 p. m., and sunset.
t Observations taken at sunrise, 7 a. m., 2 p. m., 7 p. m., and 9 p. m. Mean at sunrise, 71.55; and at 7 p. m., 81.45.
u Same temperature on the 11th and 27th.
v Same temperature on the 3d.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.	WARMEST DAY.			LOWEST DEG.	COLDEST DAY.			
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
TEXAS—Continued.													
Washington	79.10	90.26	76.40	81.92	28	97	31	87.33	13	72	5	75.67	2.6
Webberville	79.45	94.42	81.87	84.58	10	100	20	88.33	11	*a* 75	4	82.33	2.7
ARKANSAS—													
Jacksonport	76.27	89.71	79.71	81.90	19	101	19	91 00	28	67	27	72.00	4.5
Washington (*b*)	71.29	90.45	.....	80.87	20	102	20	90.00	7	*c* 64	29	*d* 74.00	4.7
TENNESSEE—													
Glenwood	70.04	84.79	74.54	76.46	18	*e* 94	18	85.17	5	56	4	65.37	4.1
Memphis	78.65	89.23	79.52	82.47	19	99	19	92.33	27	67	27	72.00	3.6
KENTUCKY—													
Bardstown	74.87	87.31	76.34	79.51	14	103	14	91.67	4	57	4	64.67	3.2
Danville	73.70	86.78	74.96	78.48	18	100	18	90.00	4	*f* 64	4	69.33	3.2
Paris	70.76	84.84	74.26	76.62	12	97	18	88.00	4	55	4	62.33	5.0
Springdale (*g*)	65.21	89.16	79.81	78.06	14	101	16	87.00	4	51	4	64.67	4.0
OHIO—													
Avon	70.97	79.17	68.61	72.92	18	94	14	84.36	4	51	3	56.00	3.3
Bellefontaine	73.48	83.04	70.65	75.72	14	97	15	85.67	3	57	4	61.33	3.8
Bowling Green	68.52	80.86	70.36	73.25	14	95	18	84.00	3	52	4	58.10	6.3
Cincinnati, [Harper]	74.13	86.94	80.10	80.39	17	101	14	*h*89.33	3	*i* 61	4	66.33	3.7
Cincinnati, [Phillips]	72.90	87.77	77.90	79.52	15	*j*100	16	88.33	4	56	4	66.00	2.3
Cleveland	68.35	78.29	70.81	72.48	2	93	2	83.33	3	54	3	58.67	3.7
College Hill	78.10	85.87	74.03	79.33	17	100	17	87.67	24	*k* 66	24	67.33	3.1
Collingwood	68.52	82.39	70.32	73.74	11	*l* 96	12	84.67	5	52	3	59.67	....
Freedom	74.19	80.71	65.39	73.76	14	94	14	86.33	4	50	6	56.00	4.2
Hillsborough	66.47	80.89	72.55	73.30	18	93	17	83.50	4	50	4	58.67	2.7
Hiram	71.06	80.77	68.19	73.34	14	95	14	86.67	4	53	3	56.33	4.7
Hudson (*m*)	66.77	76.64	67.16	70.19	2	89	....	?	3	53	....	?	3.7
Jackson, [Monroe county] (*n*)	73.53	85.67	69.93	76.38	15	98	....	?	4	55	....	?	3.5
Kelley's Island	70.58	78.24	70.87	73.23	18	92	17	82.67	3	54	3	55.33	2.9
Madison, [Atkins]	74.58	80.35	64.94	73.29	18	99	18	88.33	4	47	4	54.67	2.7
Madison, [King]	71.19	79.32	64.45	71.65	18	97	2	86.33	4	48	3	55.67	5.6
Montville	67.94	78.71	68.48	71.71	17	*o* 93	14	85.00	3	49	3	54.00	4.3
New Lisbon	66.82	83.29	68.12	72.74	12	98	14	85.00	3	*i* 53	4	58.33	2.5
Northwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.6
Portsmouth	71.64	89.24	74.03	78.30	17	103	17	89.83	5	59	4	64.67	2.8
Rockport	69.61	81.71	71.48	74.27	13	*p* 94	13	89.00	4	44	4	57.33	....
Savannah	71.19	87.97	68.13	75.76	14	104	14	90.00	3	49	4	57.00	3.6
Troy	69.90	88.16	72.71	76.92	15	103	12	88.00	4	50	3	63.67	2.4
Urbana	69 32	85.55	69.77	74.86	12	*q* 96	18	84.67	4	53	27	60.33	3.9
Welchfield	71.55	82.71	66.45	73.57	14	100	14	89.00	3	*i* 51	3	57.33	2.0
Westerville	70.09	84.29	72.02	75.47	15	96½	15?	?	3	50	4?	?	4.1
Windham	64.45	78.10	66.45	69.67	17	92	12	*o*80.00	4	*a*51	4	57.33	....
MICHIGAN—													
Battle Creek	68.74	84.16	68.10	73.67	17	99	17	86.33	3	*i* 53	3	55.67	1.7
Detroit	70.84	83.90	68.97	74.57	12	*e* 97	12	*p*88.33	3	46	3	53.33	4.3
Fort Gratiot (*r*)	62.00	73.84	71.09	69.29	11	92.7	11	83.87	4	45	3	49.17	5.5
Grand Rapids	70.22	86.93	67.52	74.59	17	101	17	88.33	3	*s* 52	3	57.33	5.1
Lake George	60.58	73.69	64.17	66.15	15	99	12	80.67	3	45	3	51.33	5.6
Marquette	63.16	73.19	60.10	65.48	10	93	12	80.13	3	40	7	52.57	3.9
Monroe, [Bowlsby] (*n*)	70.30	82.06	72.20	74.85	18	90	16	83.90	29	61	28	65.00	2.1
Monroe, [Lane] (*t*)	67.19	77.40	76.56	73.57	15	*j* 89.5	18	84.50	4	48.5	4	58.00	4.0
Monroe, [Whelpley]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.3
New Buffalo (*u*)	71.53	79.20	65.07	71.93	18	93	17	86	3	46	3	53.33	4.8

a Same temperature on the 29th.
b Observations taken at sunrise and 2 p. m.
c Same temperature on the 8th, 29th, and 30th.
d Same temperature on the 30th.
e Same temperature on the 19th.
f Same temperature on the 5th.
g Observations taken at 5 a. m., 2 p. m., and 7 p. m.
h Same temperature on the 15th.
i Same temperature on the 4th.
j Same temperature on the 18th.
k Same temperature on the 25th.
l Same temperature on the 12th.
m Incomplete. The records of the thermometer at this place are 0°.85 too high.
n Incomplete.
o Same temperature on the 14th.
p Same temperature on the 17th.
q Same temperature on the 13th, 14th, 17th, and 18th.
r Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 70.20.
s Same temperature on the 28th.
t Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 73.42.
u Observations taken at 7 a. m., 1 p. m., and 9 p. m.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MICHIGAN—Continued.													
Ottawa Point (*a*)	62.53	71.39	70.22	68.26	18	83	18	79.00	3	*b* 47	3	51.00	5.2
Thunder Bay Island (*c*)	60.38	66.16	64.11	63.75	16	78.5	19	75.00	3	44	3	48.50	5.5
Ypsilanti	68.39	82.22	66.81	72.47	14	98	13	84.33	3	49	3	52.80	3.9
INDIANA—													
Aurora (*d*)	74.00	92.19	80.32	82.17	17	108	18	94.33	4	57	4	63.67	----
Cannelton	72.71	84.99	74.69	77.46	14	96	19	86.63	28	57	4	64.03	3.4
Logansport	71.03	88.03	77.39	78.82	17	102	17	92.67	4	46	4	59.67	3.7
Mishawakee	66.39	84.97	68.58	73.31	13	99	12	88.67	4	45	4	52.67	2.6
New Albany	74.38	89.52	77.52	80.47	18	100	13	89.67	4	57	4	65.33	4.1
New Harmony	75.10	86.03	77.33	79.49	14	*e* 96	18	90.33	28	62	4	66.33	3.9
Richmond	----	----	----	73.63	----	----	----	83.40	----	----	4	55.30	4.0?
Richmond, [Haines]	73.81	83.39	73.78	77.00	14	96	17	88.00	4	57	4	62.00	----
ILLINOIS—													
Augusta	68.87	81.80	73.48	74.71	16	93	15	84.67	4	53	4	63.33	2.4
Aurora	67.58	83.29	67.97	72.95	17	*f* 95	17	85.67	3	45	3	52.00	2.9
Batavia, [Mead]	67.45	89.12	68.06	74.88	11	106	17	91.00	3	44	3	53.33	3.5
Carthage (*g*)	72.40	86.03	79.00	79.14	14	98	15	90.67	4	54	4	63.00	----
Edgington	68.13	86.00	72.48	75.54	15	*h*100	17	90.00	4	44	4	59.33	4.1
Elgin	67.81	83.19	68.39	73.13	17	100	17	83.33	3	47	3	52.00	3.6
Manchester (*i*)	71.68	82.93	72.06	75.56	15	94	18	85.67	4	52	----	?	3.6
Marengo	69.29	83.61	67.06	73.32	17	100	17	88.67	3	44	3	51.00	2.9
Napierville	68.74	86.19	70.03	74.99	17	101	17	89.00	4	42	3	53.67	2.7
Ottawa	68.30	84.70	73.13	75.38	18	96	16	86.67	3	45	3	54.00	3.7
Pekin	70.77	86.82	73.16	76.92	18	99	18	89.00	3	*b* 53	3	60.67	3.1
Peoria	73.00	87.06	77.42	79.16	15	104	15	90.00	3	57	3	62.67	3.4
Riley	68.26	82.55	67.26	72.69	17	97	17	87.00	3	48	3	52.33	2.5
Sandwich	71.12	87.51	70.83	76.49	11	*j*100	17	90.00	3	48	3	56.67	3.5
Upper Alton	71.17	83.10	72.68	75.65	15	94	18	84.33	4	56	4	62.67	1.7
West Salem	73.52	89.55	75.94	79.67	17	*f*101	18	90.33	28	59	4	66.67	3.7
West Urbana	74.71	86.74	73.23	78.23	15	98	17	89.67	3	50	3	57.67	3.5
Wheaton	72.26	82.47	68.51	74.41	17	96	17	88.67	3	45	3	50.67	3.6
Winnebago	67.60	83.78	68.27	73.22	16	*j* 95	17	86.50	4	38	3	54.00	3.1
MISSOURI—													
St. Louis, [Engelman]	76.94	86.27	76.87	80.03	18	97	14	90.60	5	64	26	68.83	2.6
St. Louis, [Fendler]	74.10	85.87	73.16	77.71	14	*k* 96	17	89.67	4	57	27	64.67	----
WISCONSIN—													
Appleton	66.52	81.45	67.48	71.82	16	95	13	84.00	3	48	3	54.60	2.5
Bay City	62.29	74.16	60.77	65.74	10	*l* 94	12	82.00	2	*m* 44	2	49.33	3.9
Beloit	69.58	87.19	69.45	75.41	13	98	17	86.33	3	48	3	54.67	2.4
Green Bay	68.94	83.58	72.32	74.95	16	99	13	88.67	3	48	3	54.00	2.7
Kenosha	71.30	75.29	72.12	72.91	12	88	17	*f*83.00	3	55	3	55.83	1.5
Madison	72.48	82.00	73.04	75.84	17	93	17	86.33	3	51	3	54.00	2.6
Manitowoc	66.97	76.77	64.51	69.42	16	92	18	81.67	3	46	3	51.67	5.1
Milwaukee, [Larkin]	----	----	----	----	----	----	----	----	----	----	----	----	3.6
Milwaukee, [Winkler]	70.03	78.23	66.52	71.59	16	92	19	83.00	3	48	3	49.67	2.4
Platteville	69.26	86.22	72.58	76.02	16	97	17	87.67	3	*b* 56	3	63.00	2.7
Wausau	72.03	82.45	75.39	76.62	30	102	30	97.00	26	42	26	56.67	4.2
IOWA—													
Bellevue	71.07	86.16	68.87	75.37	16	101	16	88.00	26	*n* 53	3	63.33	3.8
Border Plains	72.76	87.68	72.42	77.62	15	*h* 97	16	89.00	4	49	4	59.00	4.7
Burlington	75.38	87.29	74.90	79.19	16	100	13	90.67	5	60	4	67.33	4.5
Dubuque	71.03	80.16	73.87	75.02	16	98	16	89.00	4	55	3	60.67	3.1
Fairfield	74.32	82.61	72.27	76.40	15	95	15	88.00	27	57	3	62.00	4.4
Forestville	69.65	84.48	67.55	73.89	15	101	15	88.33	3	52	4	60.67	2.5

a Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 68.90.
b Same temperature on the 4th.
c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 64.32.
d Observations taken at 6 a. m., 2 p. m., and 9 p. m.
e Same temperature on the 16th, 17th, and 18th.
f Same temperature on the 18th.
g Observations taken at 7 a. m., 1 p. m., and 7 p. m.
h Same temperature on the 16th.
i Observations taken at 7 a. m., 1 p. m., and 9 p. m.
j Same temperature on the 17th.
k Same temperature on the 17th and 18th.
l Same temperature on the 11th.
m Same temperature on the 3d.
n Same temperature on the 27th.

No. 20.—THERMOMETER AND FACE OF SKY, JULY, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		Mean cloudiness.
					Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp	
IOWA—Continued.	°	°	°	°		°		°		°		°	
Fort Madison (*a*)	72.03	84.13	75 68	77.28	15	*b* 96	15	*c* 89.67	3	*d* 56	3	62.00	4.4
Muscatine	63.52	84.42	68.84	72.26	18	97	18	82.67	27	46	27	58.67	2.5
Pleasant Plain	73.26	86.06	70 32	76.55	15	100	17	87.67	27	57	3	64.33	3.1
Rossville	69.85	84.16	68.13	74.05	15	98	16	87.83	3	*e* 52	4	55.43	3.2
MINNESOTA—													
Beaver Bay, [Clark]	57.84	64.00	58.24	60.03	19	85	19	70.33	2	*f* 45	3	49.33	5.0
Beaver Bay, [Wieland]	66.71	77.95	63.06	69.24	12	97	12	83.67	25	45	2	54.33	3.8
Burlington	58.13	72.39	58.87	63.13	12	*g* 93	12	85.67	26	40	3	42.67	4.3
Chatfield	70.23	84.06	67.74	74 01	16	98	16	87.67	3	50	4	55.33	3.5
Forest City	67.68	79.77	69.52	72.32	16	94	16	85.67	3	53	4	56.00	2.1
Hazlewood	70.40	85.45	72.28	76.04	17	95	17	87.00	4	54	3	60.00	2.9
Princeton	71.58	83.22	71.06	75.29	16	101	16	90.67	26	54	4	57.67	3.3
NEBRASKA—													
Bellevue	71.94	84.45	73.58	76.67	14	98	14	88.67	27	58	27	65.33	1.5?
Elkhorn	71.32	89.09	73.84	78.08	15	102	15	88.00	6	*d* 60	23	66.67	3.4
Nebraska City	76.02	85.52	75.09	78.88	18	96	15	*c* 87.10	23	63	23	62.60	3.4
Omaha, [Rain]	72.67	84.58	74.67	77.31	14	95	14	86.33	24	60	23	64.33	3.5
KANSAS—													
Burlingame	72.26	88.45	72.32	77.68	18	100	18	85.33	6	60	26	66.67	2.2
Lawrence	77.68	88.94	77.03	81.22	17	99	14	91.00	26	63	26	67.33	3.1
Lecompton	73.13	89.48	79.00	80.54	19	101	19	89.33	25	*h* 70	25	75.67	2.2
Manhattan	75.16	94.23	76.45	81.95	2	*g* 104	14	*g* 90.00	23	62	26	72.00	3.7
Moneka	77.13	88.40	.....	82.76	3	*i* 98	15	95 50	26	65	26	66.00	5.7
Neosho Falls	74.16	90.48	74.74	79.79	21	101	21	88.67	26	64	26	66.00	2.3
UTAH—													
Great Salt Lake City	74.00	87.00	77.00	79 33	....	100	....	.....	....	68	....	.....	....
OREGON—													
Portland (*j*)	59.71	79.39	64.13	67.74	21	92	21	76.00	12	48	12	58.00	3.5
CALIFORNIA—													
Monterey	58.23	67.59	58.37	61.36	....	?	....	?	22	53	23	57.13	....
Sacramento	65.16	74.06	68.00	69.07	7	87	6	79.67	24	*k* 60	25	63.33	0.7
San Francisco	54.52	64.29	53.90	57.57	5	75	5	64.67	21	*l* 51	24	53.67	3.8
Union Ranche	66.90	92.61	79.26	79.59	6	*m* 104	7	92.00	11	55	11	71.67	....
MEXICO—													
Cordova (*n*)	70.50	73.27	71.13	71.90	11	*o* 74.8	....	.....	28	68.7	....	.....	....
Mirador (*p*)	68.49	73.08	68.02	69.86	....	.....	....	.....	4	63.3	....	.....	....
Vera Cruz (*q*)	80.50	.....	80.55	80.52	....	.....	....	.....	....	.....	....	.....	....
WEST INDIES—													
Nassau, Bahamas (*r*)	.....	.....	.....	86.95	....	?	....	?	....	?	....	?	....
St George's, Bermuda (*s*)	.....	.....	.....	77.01	....	83	....	.....	....	70.7	....	.....	....
CENTRAL AMERICA—													
Guatemala (*t*)	.....	.....	.....	67.19	29	80.6	....	.....	13	57.4	....	.....	....
SOUTH AMERICA—													
Catharina Sophia, Surinam (*u*)	74.98	86.10	79.82	80.30	18	92	17	*v* 82.67	11	*w* 73	30	76.67	5.1

a Observations taken at 6 a. m., noon, and 7 p. m.
b Same temperature on the 16th and 17th.
c Same temperature on the 17th.
d Same temperature on the 27th.
e Same temperature on the 26th.
f Same temperature on the 3d.
g Same temperature on the 15th.
h Same temperature on the 27th and 29th.
i Same temperature on the 15th and 19th.
j Observations taken at 6 a. m., noon, and 6 p. m.
k Same temperature on the 25th and 26th.
l Same temperature on the 29th.
m Same temperature on the 7th.
n Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 72.27; mean at 6 p. m., 72.34.
o Same temperature on the 16th.
p Observations taken at 7 a. m., 2 p. m., and 8 p. m.
q Observations taken from 7 a. m. to 9 a. m., and from 10 p. m. to midnight; incomplete.
r Daily maximum and minimum.
s Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
t Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
u Observations taken at 6 a. m., 2 p. m., and 6 p. m.
v Same temperature on the 18th.
w Same temperature on the 12th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
BRITISH AMERICA—	°	°	°	°		°		°		°		°	
Hamilton (*a*)	70.00	.....	69.66	69.83	14	78	14	77.00	28	58	28	59.50	....
Montreal	65.98	75.81	67.79	69.86	12	83	12	77.83	28	53	28	54.76	4.2
Moose Factory (*b*)	.....	.....	.....	58.40	...	.....	...	.....	...	.....	...	.....	...
Red River Settlement	59.60	74.67	56.94	63.74	6	*c* 86	...	?	31	40	....	?	3.3
St. John's	68.39	74.19	62.42	68.33	11	88	11	78.00	16	53	30	61.67	2.7
St. Martin (*d*)	63.05	79.92	64.65	69.21	3	91	3	78.17	30	36	30	52.37	....
Stanbridge	62.00	73.90	62.45	66.12	11	85	11	75.00	20	*e* 45	28	52.67	4.2
Toronto (*d*)	60.87	72.96	63.71	65.85	7	81	15	72.90	30	46	29	56.28	4.0
Windsor	61.01	74.48	63.01	66.17	4	86	5	73.33	16	48	29	54.00	5.3
Wolfville	64.66	74.22	62.47	67.12	4	88	4	78.17	29	52	29	56.67	5.3
MAINE—													
Belfast (*f*)	67.48	76.00	69.39	70.96	10	85	5	80.67	29	54	29	58.67	....
Cornish	61.22	73.71	62.03	65.65	4	84	4	76.33	28	48	29	54.67	3.3
Cornishville	63.36	75.69	65.52	67.99	4	85	4	77.33	29	50	29	55.00	4.1
Dexter	.....	.....	.....	.....	...	.....	...	.....	...	.....	...	.....	4.3
Gardiner	62.27	74.18	61.88	66.11	14	83	6	75.33	21	51	29	57.67	4.4
Lisbon	63.26	75.97	61.46	66.89	5	86	5	77.33	30	48	30	56.33	3.6
Perry	59.33	70.26	59.35	62.98	19	82	19	70.67	17	*g* 50	29	54.33	4.2
Portland	61.67	72.44	62.48	65.53	14	83	14	73.00	30	49	29	57.83	4.7
Steuben	60.23	71.00	58.48	63.24	9	83	14	70.33	30	46	30	55.00	5.1
Vassalborough	.....	.....	.....	72.77	....	.....	10	87.00	...	.....	29	60.00	4.3
NEW HAMPSHIRE—													
Mount Washington	43.42	50.17	45.64	46.41	10	69	10	59.04	30	25	29	28.95	3.9
Shelburne (*h*)	54.19	81.06	63.42	66.22	4	88	4	76.63	21	40	....	?	7.0
Stratford	57.81	73.74	59.35	63.63	10	85	2	73.33	30	43	31	50.00	4.3
VERMONT—													
Brandon	62.21	76.84	64.23	67.76	2	*i* 87	3	79.00	30	43	29	54.67	4.1
Burlington	62.60	73.24	63.70	66.50	11	82	3	75.00	28	*e* 51	28	54.33	3.7
Craftsbury	55.81	72.61	62.71	63.71	3	*j* 83	3	74.00	29	45	28	50.00	3.3
Lunenburg	.....	.....	.....	66.98	13	98	3	80.50	29	33	28	55.00	3.1
Rupert	64.71	79.23	69.42	71.12	14	98	14	78.67	29	*k* 56	29	*k* 61.33	3.8
St. Johnsbury	55.13	74.13	59.74	63.00	3	*l* 83	2	*m* 74.00	30	36	30	50.33	3.6
MASSACHUSETTS—													
Amherst	60.98	74.85	63.55	66.46	4	85	4	76.10	30	47	29	56.30	3.9
Cambridge	60.83	76.21	64.67	67.24	3	87	4	78.67	17	*e* 52	29	58.00	4.7
Lawrence	63.19	75.84	64.35	67.79	2	89	3	*m* 78.00	30	53	29	59.00	4.3
Mendon	62.81	75.55	63.93	67.44	3	86	4	80.00	29	48	29	56.33	2.3
Nantucket	67.83	73.25	67.04	69.37	14	81	14	74.67	29	58	29	63.00	3.8
New Bedford	65.03	74.27	63.82	67.71	3	81	4	73.67	29	52	29	57.00	4.6
Richmond	60.10	77.17	67.68	68.31	2	90	2	78.67	30	39	29	51.33	3.9
Westfield	59.55	74.94	62.39	65.63	4	87	4	76.00	30	46	30	56.33	4.3
Williamstown	60.13	72.29	43.90	58.77	4	82	4	74.86	30	47	30	55.33	5.2
Worcester	63.92	76.55	66.97	69.15	3	86	3	78.87	30	50	30	58.50	3.5
RHODE ISLAND—													
Providence (*d*)	66.10	77.00	64.50	69.20	14	85	14	77.00	29	48	29	58.33	4.3
CONNECTICUT—													
Columbia	62.23	75.26	62.48	66.66	14	85	4	76.00	30	40	29	55.67	3.9
Middletown	61.80	79.35	63.76	68.30	4	90	4	79.00	30	47	29	57.30	2.9
Pomfret	61.42	72.26	62.41	65.36	4	81	4	74.50	29	49	29	55.33	3.9
Saybrook	64.23	75.33	66.32	68.63	3	82	4	74.33	29	50	29	60.00	3.8
Wallingford	61.69	77.53	63.74	67.65	21	88	4	73.50	30	47	29	57.33	2.5
NEW YORK—													
Bellport	65.84	79.24	65.97	70.35	4	80	4	79.33	29	50	28	61.67	3.2
Beverly	63.03	73.63	66.14	67.60	4	85	4	76.33	30	48	30	57.67	3.7
Buffalo (*n*)	67.19	74.61	69.54	70.45	10	87	10	79.67	29	58	29	? 62.33	3.4
Flatbush	66.46	76.68	66.14	69.76	4	86	4	77.90	30	55	30	60.50	3.6

a Observations taken at 9 a. m. and 9 p. m.
b Observations taken at sunrise, 2 p. m., and 10 p. m.
c Same temperature on the 14th and 19th.
d Observations taken at 6 a. m., 2 p. m., and 10 p. m.
e Same temperature on the 30th.
f Observations taken at 7 a. m., noon, and 6 p. m.
g Same temperature on the 28th, 29th, and 30th.
h Observations taken at sunrise, noon, and 9 p. m.
i Same temperature on the 3d.
j Same temperature on the 11th.
k Same temperature on the 31st.
l Same temperature on the 10th and 13th.
m Same temperature on the 4th.
n Observations taken at 8 a. m., 2 p. m., and 9 p. m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Nichols	63.48	79.42	60.71	67.87	3	*a* 90	3	78.33	29	45	28	54.67	4.0
Oswego	65.87	73.81	65.65	68.44	3	86	11	78.33	28	*b* 56	28	58.00	3.8
Penn Yan (*c*)	58.13	76.23	65.26	66.54	3	92	11	76.33	30	*d* 46	28	54.67	5.1
Rochester, [Dewey]	63.77	76.77	69.13	69.89	11	91	11	80.67	30	55	31	58.33	3.4
Waterford	64.14	80.11	67.50	70.58	10	91	3	78.50	29	*b* 52	29	59.33	4.2
Wampsville	61.55	76.93	61.68	66.72	3	88	3	74.33	30	48	29	55.67	4.1
NEW JERSEY—													
Freehold	64.20	78.46	67.96	70.21	4	95	4	81.33	30	50	29	? 59.00	....
Lambertville	66.09	82.29	65.14	71.17	4	96	4	83.33	29	52	29	58.33	6.0
Newark (*e*)	.....	.....	.....	68.73	4	88	4	78.00	30	47	30	57.63	....
PENNSYLVANIA—													
Bedford	61.28	79.04	67.84	69.39	3	*f* 90	16	78.67	31	42	30	56.67	3.5
Berwick	65.50	78.47	64.87	70.95	3	89	3	80.33	30	48	29	59.00	2.9
Cannonsburg	63.42	76.39	69.87	69.89	15	*g* 85	15	75.67	30	52	29	62.00	4.4
Carlisle	67.00	78.00	69.12	71.37	15	86	10	79.67	29	56	26	60.67	3.8
Chambersburg	69.81	80.58	72.32	74.24	3	*h* 96	4	85.67	29	*b* 58	29	63.33	4.0
Easton (*i*)	67.29	79.26	64.09	70.18	3	92	3	82.00	29	50	29	57.00	3.9
Fleming	64.26	80.58	62.74	69.19	9	94	4	78.33	29	*b* 47	29	54.67	3.8
Gettysburg	65.26	81.26	68.71	71.74	4	92	4	80.33	29	52	29	*b* 60.00	3.8
Harrisburg, [Heisely]	70.20	81.62	75.03	75.62	4	93	4	85.00	30	57	29	65.00	4.2
Harrisburg, [Hickok]	66.05	80.21	70.65	72.30	4	92.5	4	82.50	30	52	29	60.83	4.3
Lewisburg	66.13	77.74	65.92	69.93	3	89	4	78.97	30	47	30	59.20	4.4
Morrisville	64.87	79.10	66.87	70.28	3	92	4	80.00	29	55	29	61.67	2.4
Mount Joy	70.81	84.08	71.47	75.45	1	*j* 92	3	85.33	30	55	29	64.00	3.5
Norristown	64.76	77.89	68.33	70.33	4	91	4	80.67	30	50	29	58.50	3.5
North Whitehall (*k*)	61.77	77.42	71.71	70.30	4	88	4	79.00	30	43	29	58.33	3.7
Philadelphia	69.03	82.16	72.39	74.53	4	95	4	84.33	29	55	29	63.33	4.9
Pittsburg, [Marine Hosp.]	65.61	77.61	69.22	70.80	3	*a* 86	4	*a* 79.00	30	50	29	58.33	5.6
Pocopson	68.23	82.55	68.87	73.22	3	*h* 93	4	83.00	30	55	29	61.00	3.7
Shamokin	57.61	76.87	65.35	66.61	3	88	3	77.67	30	36	29	53.33	4.1
Somerset	61.00	77.94	63.56	67.50	10	90	10	78.00	21	*l* 47	29	53.67	4.8
West Haverford	65.52	81.48	.....	73.50	4	92	4	83.50	29	54	29	61.50	....
Worthington	63.03	78.52	65.55	69.03	10	89	10	78.00	29	*b* 46	29	55.33	4.3
MARYLAND—													
Annapolis	69.02	80.35	75.73	75.03	4	96	4	86.83	29	55	29	64.16	3.2
Baltimore	70.23	80.83	74.43	75.16	4	95	4	84.67	29	*b* 58	29	64.00	4.1
Blairsburg	66.79	84.39	67.54	72.91	3	*h* 95	4	82.33	29	*b* 52	....	?	4.6
Frederick	68.01	78.56	70.97	72.51	4	92	4	83.83	30	52	29	61.17	4.3
Leitersburg	65.71	81.58	68.29	71.86	4	95	4	84.67	30	48	29	57.67	4.0
Leonardtown	71.55	78.57	73.11	74.41	4	90	4	83.33	29	62	29	64.00	4.6
Sykesville	66.35	77.10	68.58	70.68	4	88	4	79.67	29	51	29	59.00	3.9
DISTRICT OF COLUMBIA—													
Washington	68.87	80.48	73.10	74.15	4	92	4	84.00	29	55	29	61.33	4.1
VIRGINIA—													
Crichton's Store (*m*)	69.59	83.15	79.84	77.53	3	*h* 97	3	88.00	30	57	29	65.33	5.2
Cross Creek	63.10	80.52	66.41	70.01	10	94	10	78.33	30	44	29	56.67	....
Falmouth	74.45	83.10	70.35	75.97	4	96	3	87.00	29	62	28	66.33	....
Lewinsville	67.77	82.95	69.98	73.57	4	95	3	83.16	30	55	29	64.16	4.4
Lewisburg (*n*)	67.23	86.23	69.54	74.33	20	92	20	79.67	13	60	5	67.67	2.9
Moutross	69.76	78.93	69.72	72.80	3	90	3	81.66	30	*o* 58	29	61.00	3.7
Mont View	67.29	82.07	69.97	73.11	5	94	5	82.67	29	*b* 56	29	64.00	5.0
Poplar Grove	68.26	84.39	67.48	73.38	3	92	3	*f* 79.00	30	52	30	60.00	4.8
Portsmouth	69.76	85.02	70.63	75.14	3	94.5	4	83.17	30	55.5	30	63.50	3.6
Rose Hill	.....	.....	.....	.....	....	82	....	.....	....	52½	....	.....	....
Rougemont	71.37	82.43	74.10	75.97	3	*h* 92	3	84.67	29	57	29	63.67	5.3

a Same temperature on the 10th.
b Same temperature on the 30th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 5th.
e Daily maximum and minimum.
f Same temperature on the 9th.
g Same temperature on the 16th.
h Same temperature on the 4th.
i Observations taken at 8 a. m., 2 p. m., and 10 p. m. Same temperature on the 9th and 15th.
k Observations taken at sunrise, noon, and sunset.
l Same temperature on the 29th and 30th.
m Observations taken at 6½ a. m., noon, and 6 p. m.
n For the first 22 days of the month only.
o Same temperature on the 29th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Smithfield	68.67	78.42	70.37	72.49	4	87	4	81.60	30	57	30	64.00	5.1
Westwood (*a*)	68.27	83.56	73.56	75.13	4	96	----	?	30	54	----	?	----
NORTH CAROLINA—													
Chapel Hill	69.65	84.16	71.58	75.13	3	97	3	84.67	3	60	29	63.00	5.6
Green Plains	70.45	83.16	69.42	74.34	4	96	4	*b*86.00	30	58	29	*c*64.00	----
Murfreesborough	70.42	82.40	73.67	75.50	4	*d*91	4	85.33	30	57	29	63.67	3.7
SOUTH CAROLINA—													
Aiken	68.58	82.80	71.84	74.41	4	93	27	81.00	30	62	30	68.33	6.3
All Saints	73.50	80.03	73.73	75.75	28	87	5	81.33	30	65	30	69.33	4.2
Charleston	74.58	81.81	77.48	77.96	5	91	5	84.33	19	*e*69	30	71.33	----
Columbia, [White]	73.23	82.16	76.52	77.30	3	94	2	87.33	21	65	30	72.33	5.9
St. John's (*e*)	70.23	79.95	71.55	73.91	19	*f*86	----	?	30	61	30	67.00	5.7
GEORGIA—													
Athens (*e*)	68.36	79.71	70.43	72.83	20	89	----	?	31	60	31	67.47	4.6
Atlanta	69.16	78.65	71.55	73.12	4	*d*88	4	82.00	24	*g*62	30	68.67	4.9
Augusta	74.43	85.88	72.09	77.47	3	98	3	86.33	22	68	30	72.17	6.4
Clarksville	67.71	77.00	73.16	72.62	3	*h*84	3	79.00	22	*i*60	11	*j*68.00	5.8
Savannah	73.91	82.33	75.84	77.36	6	90	29	82.47	30	69	30	69.80	6.3
Sparta	68.13	83.06	72.39	74.53	3	93	4	82.00	22	63	30	68.00	5.9
Thomaston	73.52	83.35	78.58	78.48	5	90	4	84.00	24	*k*68	30	71.00	5.8
Whitemarsh Island	75.29	81.68	76.26	77.74	6	88	4	82.00	30	69	30	70.00	5.9
FLORIDA—													
Alligator	76.26	86.03	77.06	79.78	3	94	3	*i*85.00	24	71	22	74.67	5.3
Atsena	76.39	81.29	77.77	78.48	4	86	6	*m*81.67	19	72	17	74.67	6.1
Belair	79.68	87.26	77.90	81.61	27	*n*92	2	85.33	11	70	6	73.33	----
Jacksonville	79.16	83.57	78.13	80.29	6	91	6	87.00	1	*o*75	11	76.67	5.8
Micanopy	76.29	83.29	77.40	78.99	3	89	28	*p*82.33	2	73	11	75.00	6.2
St Augustine	81.26	82.90	78.42	80.86	29	90	29	84.33	19	75	13	77.67	5.6
Salt Ponds (*q*)	82.81	88.03	-------	85.42	2	*r*90	2	87.00	15	*s*81	10	*t*84.00	4.1
ALABAMA—													
Cahawba	79.00	81.87	80.81	80.56	20	86	20	83.33	30	71	30	74.00	4.3
Carlowville	76.39	91.23	76.90	81.51	16	*u*96	24	*v*85.00	12	*l*73	12	*l*77.67	4.1
Greene Springs	73.50	83.66	75.62	77.80	19	90½	31	?	31	65	----	?	5.4
Greensborough	73.30	83.84	75.80	77.65	3	89	3	81.00	30	65	30	72.67	4.4
Livingston	72.58	86.58	77.74	78.97	3	*w*91	3	82.33	25	*k*65	25	72.33	6.5
Selma	73.42	83.77	77.52	78.24	3	*x*90	19	*y*86.33	31	*i*68	30	72.33	6.0
MISSISSIPPI—													
Columbus	73.28	86.70	75.86	78.61	2	93	2	83.37	30	62	30	69.90	4.0
Natchez	73.52	85.75	78.45	79.24	4	*z*90	4	82.67	31	62	31	72.00	4.2
Paulding	76.34	90.82	81.16	82.77	4	96	4	88.50	30	65	30	74.00	3.8
Westville	77.26	88.29	86.31	83.95	21	95	----	?	31	66	30	77.00	4.5
LOUISIANA—													
New Orleans (*aa*)	84.55	86.55	87.68	86.26	20	93	4	90.33	31	77	30	79.00	----
TEXAS—													
Austin, [Palm]	79.55	95.26	82.45	85.75	14	101	6	*b*89.67	18	71	20	77.33	3.2
Austin, [Van Nostrand]	78.98	96.28	83.53	86.26	11	100	12	90.67	23	72	16	79.67	3.5
Gilmer (*bb*)	69.52	93.03	-------	81.27	21	104	21	*f*89.00	24	56	24	74.50	2.2
Larissa	78.03	96.50	81.31	85.28	11	104	21	91.50	24	69	30	75.33	3.6
New Braunfels (*cc*)	78.50	99.25	87.79	88.51	11	104	13	92.00	20	*j*72	19	82.00	2.9
Roundtop	79.00	99.50	84.00	87.50	----	104	----	-------	----	72	----	-------	----

a Observations interrupted from the 10th to the 20th of the month.
b Same temperature on the 12th.
c Same temperature on the 30th.
d Same temperature on the 5th.
e Incomplete.
f Same temperature on the 28th.
g Same temperature on the 25th and 30th.
h Same temperature on the 4th.
i Same temperature on the 25th and 26th.
j Same temperature on the 21st.
k Same temperature on the 30th and 31st.
l Same temperature on the 27th.
m Same temperature on the 7th.
n Same temperature on the 28th, 30th, and 31st.
o Same temperature on the 12th and 22d.
p Same temperature on the 31st.
q Thermometer 2½ to 2¾ degrees too high.
r Same temperature on the 6th.
s Same temperature on the 10th.
t Same temperature on the 15th and 27th.
u Same temperature on the 22d and 25th.
v Same temperature on the 25th and 29th.
w Same temperature on the 18th and 19th.
x Same temperature on the 19th and 20th.
y Same temperature on the 20th.
z Same temperature on the 8th, 9th, 19th, and 20th.
aa Observations taken at 9 a. m., noon, and 3 p. m.
bb Observations taken at sunrise and 2 p. m.
cc No observations after the 24th, except at 2 p. m. on the 30th

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG	WARMEST DAY.		LOWEST DEG.	COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Sisterdale	79.13	97.61	81.42	86.05	6	102	8	89.90	21	72	18	79.46	3.2
Union Hill	75.81	94.23	78.72	82.92	29	100	29	86.00	17	*a* 70	17	78.67	3.7
Washington	79.26	95.07	78.26	84.20	13	103	13	89.67	14	*b* 71	17	78.00	2.7
Webberville	79.26	95.32	82.84	85.81	10	*c* 98	12	89.67	18	72	16	*d* 81.00	2.3
ARKANSAS—													
Jacksonport	75.60	85.48	76.42	79.17	17	93	----	?	30	66	----	?	5.2
Washington (*e*)	71.65	89.06	-------	80.35	12	95	28	86.00	24	60	24	73.00	5.0
TENNESSEE—													
Glenwood	67.51	79.48	70.65	72.55	16	86	17	79.23	30	56	30	64.10	4.9
Memphis	74.10	84.52	75.65	78.09	2	92	3	83.33	30	*f* 64	30	68.00	5.1
KENTUCKY—													
Bardstown	69.71	80.50	70.18	73.46	3	*g* 88	2	80.00	30	57	29	61.33	4.3
Lexington (*h*)	69.39	79.48	69.74	72.87	8	88	3	79.67	29	56	29	60.67	4.8
Paris	66.07	78.50	69.52	71.36	3	*i* 87	3	79.67	30	51	29	58.00	4.4
Springdale (*j*)	63.23	79.19	75.39	72.60	8	91½	2	80.00	30	48	29	63.00	4.8
OHIO—													
Avon	66.83	76.86	67.46	70.38	19	88	15	78.56	30	52	29	59.67	3.7
Bellefontaine	70.80	81.61	67.42	73.28	16	94	16	82.33	29	51	29	57.00	1.6
Bowling Green	63.72	77.85	67.53	69.70	2	*k* 86	10	77.00	29	*l* 50	29	56.53	3.5
Cincinnati, [Harper]	70.19	82.87	72.61	75.22	16	97	16	84.00	29	53	29	60.00	4.1
Cincinnati, [Phillips]	69.65	82.39	74.87	75.64	9	94	9	83.33	30	54	29	61.33	4.0
Cleveland	65.74	76.13	68.92	70.26	9	82	10	75.00	30	55	29	60.83	4.1
College Hill	69.55	78.65	67.74	71.98	9	*g* 90	15	84.67?	29	*m* 50	29	56.00	----
Collingwood	66.65	82.29	67.55	72.16	15	95	17	80.67	29	51	29	63.67	----
Elk Run	63.81	78.06	66.31	69.39	10	89	10	77.33	30	44	29	56.67	4.0
Freedom	68.93	77.41	63.96	70.10	10	86	3	79.00	29	49	29	55.67	4.3
Hillsborough	65.21	75.81	68.55	69.86	9	89	9	80.33	29	48	29	55.67	?3.1
Hudson (*n*)	65.27	77.00	67.94	70.07	10	87	10	78.30	30	51	29	57.67	4.2
Jackson, [Monroe Co.] (*o*)	69.31	79.80	66.20	71.71	10	92	----	?	29	53	----	?	?3.6
Kelley's Island	69.39	76.97	70.06	72.14	9	*g* 85	16	79.33?	28	53	29	62.00	2.9
Madison, [Atkins]	71.70	77.06	63.52	70.76	3	87	3	79.67	31	50	29	58.00	3.4
Madison, [King]	67.00	76.23	62.00	68.41	3	*p* 84	3	75.00	29	52	29	56.67	2.9
Montville	65.32	75.68	65.84	68.95	10	84	10	77.50	29	52	29	57.50	5.0
New Lisbon	64.35	81.32	65.19	70.29	10	92	10	82.00	29	*l* 48	29	59.00	2.7
Northwood	------	------	------	------	----	----	----	----	----	----	----	----	3.4
Portsmouth	68.00	83.79	69.38	73.72	9	96	3	81.67	29	52	29	60.67	4.0
Rockport	67.00	79.00	70.13	72.04	3	87	3	79.00	29	57	31	64.67	----
Savannah	68.58	85.71	66.68	73.66	3	*k* 98	3	83.00	29	48	29	60.67	5.0
Troy	68.10	80.16	70.39	72.88	10	95	2	82.67	29	48	29	56.00	4.8
Urbana	64.71	82.58	66.35	71.21	16	95	13	82.33	29	48	29	56.33	4.3
Welchfield	67.68	80.61	64.26	70.85	8	93	3	80.67	29	49	29	55.00	2.6
Westerville	65.90	79.29	68.69	71.29	9	91	10	83.00	30	50	29	56.00	4.4
Windham	61.45	76.32	65.36	67.71	10	87	10	75.00	29	45	29	54.00	----
MICHIGAN—													
Battle Creek	64.55	81.55	65.87	70.66	9	93	15	80.00	29	48	29	58.67	2.0
Detroit	68.81	82.06	69.35	73.41	9	92	9	84.00	28	57	27	63.00	5.0
Fort Gratiot (*q*)	60.32	75.97	71.81	69.05	10	89	9	79.00	29	47	?	?	4.9
Grand Rapids	63.77	83.77	63.23	70.26	2	*r* 96	14	81.00	29	45	29	55.33	3.5
Lake George	58.80	77.91	63.37	66.69	2	94	16	76.17	31	47	31	54.00	5.3
Marquette	61.39	72.48	59.21	64.36	9	97	9	81.03	29	40	28	51.10	3.8
Monroe, [Bowlsby]	65.84	77.84	70.39	71.36	15	86	15	78.67	28	45	28	58.33	2.8
Monroe, [Whelpley]	------	------	------	------	----	----	----	----	----	----	----	----	3.2
Monroe Piers (*s*)	65.18	76.50	75.21	71.96	15	85	10	79.90	29	48.5	29	60.00	4.2

a Same temperature on the 18th and 19th.
b Same temperature on the 17th.
c Same temperature on the 11th, 13th, and 29th.
d Same temperature on the 18th.
e Observations taken at sunrise and 2 p. m.
f Same temperature on the 31st.
g Same temperature on the 16th.
h Observations taken at 7 a. m., 3 p. m., and 9 p. m.
i Same temperature on the 25th.
j Observations taken at 5 a. m., 2 p. m., and 6 p. m.
k Same temperature on the 10th.
l Same temperature on the 30th.
m Same temperature on the 29th, 30th, and 31st.
n The records of the thermometer at this place are 0°.85 too high.
o Incomplete.
p Same temperature on the 9th.
q Incomplete. Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 69.99.
r Same temperature on the 15th and 16th.
s Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 70.94.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MICHIGAN—Continued.													
New Buffalo	65.39	74.52	61.17	67.13	9	86	9	76.67	29	*a* 46	29	52.00	4.3
Ontonagon (*b*)	65.39	71.14	.....	68.57	9	86	9	80.50	29	47	29	53.50	4.8
Ottawa Point (*c*)	62.81	73.03	71.33	68.66	9	81	9	*d*76.00	28	48	28	56.00	4.8
Thunder Bay Island (*e*)	61.52	68.69	66.32	65.66	6	76	17	71.12	27	*f* 51	28	54.75	5.0
Ypsilanti	64.18	79.58	65.70	69.82	8	93	8	78.33	29	50	----	?	4.4
INDIANA—													
Aurora (*g*)	69.00	84.00	73.55	75.52	9	98	16	86.67	30	49	29	56.00	----
Cannelton	69.67	80.76	70.52	73.65	18	89	18	81.23	30	58	30	63.37	4.3
Logansport	66.58	83.13	72.32	74.01	9	92	9	82.33	30	54	28	64.00	5.5
Mishawaka	67.48	81.84	62.84	70.72	9	95	9	80.67	29	48	29	55.67	3.3
New Albany	64.92	82.60	70.70	72.74	17	*h* 90	17	80.33	30	54	?	?	4.0
New Harmony	71.29	81.87	72.68	75.28	16	*i* 90	9	81.00	30	50	29	64.33	4.2
Richmond (*j*)	67.21	79.64	.....	73.42	16	91	16	81.50	28	*k* 54	29	63.00	6.0
Richmond, [Haines] (*l*)	69.29	78.65	71.45	73.13	9	*d*86	9	81.33	29	53	29	58.33	3.4
ILLINOIS—													
Augusta	65.42	79.03	70.00	71.48	9	*m*87	12	78.67	29	52	29	60.00	2.7
Aurora	61.06	79.90	65.42	69.79	17	90	14	78.67	29	52	29	57.67	3.0
Batavia, [Mead]	63.68	84.58	64.29	70.85	11	101	14	83.33	28	*k* 49	28	59.67	3.6
Carthage (*n*)	70.39	82.90	71.74	75.01	12	94	13	83.33	29	52	29	62.00	----
Edgington	65.52	83.71	69.32	72.85	17	96	17	81.33	28	*k* 52	28	60.00	3.6
Elgin	64.48	81.52	66.48	70.83	14	94	14	80.00	29	50	29	58.67	3.8
Manchester (*o*)	69.00	80.38	69.12	72.83	13	88	12	79.33	29	56	29	62.00	3.9
Marengo	64.52	79.97	64.10	69.53	13	*p* 91	9	79.33	29	46	29	54.67	3.6
Napierville	67.61	80.68	68.35	72.21	14	94	9	86.00	29	49	29	59.00	3.3
Ottawa	66.50	80.09	71.18	72.59	9	91	----	?	28	50	----	?	4.0
Pekin	67.48	81.81	69.77	73.02	15	90	11	81.00	29	51	29	59.67	3.3
Peoria	68.98	82.21	73.47	74.89	12	93	12	84.33	29	54	28	63.17	3.8
Riley	62.42	80.39	64.58	69.13	14	94	11	86.33	29	46	29	55.00	2.7
Sandwich	65.97	80.90	67.77	71.55	9	*q* 94	11	81.33	28	*k* 48	28	59.00	3.2
Upper Alton	67.58	81.60	70.68	73.09	17	90	12	78.00	29	55	29	63.00	2.4
West Salem	70.71	85.81	73.06	76.53	16	95	9	*p*82.33	30	60	29	67.00	3.6
West Urbana	68.81	81.10	70.65	73.52	9	*p* 91	9	84.33	28	*k* 58	29	64.00	3.6
Wheaton	67.90	80.35	65.44	71.23	9	91	9	80.83	28	*k* 52	28	59.17	4.0
Winnebago	64.95	81.45	66.52	70.97	12	94	15	81.67	29	47	28	56.50	3.1
MISSOURI—													
Cassville	72.29	80.00	76.00	76.10	7	*r* 86	6	*r*81.67	24	60	31	67.67	5.0
Paris	67.52	79.16	70.87	72.52	12	*q* 88	12	79.67	29	57	29	61.33	3.8
St. Louis, [Engelmann]	72.32	83.56	74.37	76.75	11	92	14	84.17	29	60	29	66.50	3.3
St. Louis, [Fendler]	69.77	83.48	71.13	74.79	17	92	13	82.33	30	58	29	64.67	----
Stockton (*s*)	77.58	81.84	81.16	80.19	8	*t* 90	8	*t*87.33	30	*u* 69	30	71.00	4.4
WISCONSIN—													
Appleton	66.71	80.35	65.45	70.84	9	*v* 90	8	81.33	30	47	29	55.33	2.4
Bay City	56.84	67.16	56.84	60.28	6	82	9	72.67	28	42	28	45.33	3.0
Beloit	66.90	83.90	69.07	73.29	13	96	14	83.67	29	44	28	58.00	2.9
Green Bay	66.00	81.74	67.16	71.63	10	96	10	88.67	28	45	28	50.33	2.0
Janesville	59.10	83.90	.....	71.50	17	96	29	?	29	41	28	54.00	3.1
Kenosha	69.17	74.13	71.55	71.62	8	81	10	78.17	28	59	28	60.33	2.2
Manitowoc	64.10	74.71	63.45	67.42	13	86	9	75.67	29	46	28	53.67	4.3
Milwaukee, [Larkin]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.1
Milwaukee, [Winkler]	68.65	77.45	66.00	70.70	8	92	8	81.67	29	55	28	58.67	3.7
Platteville	66.39	83.43	68.77	72.86	10	*w* 96	13	83.33	29	51	28	61.00	3.9

a Same temperature on the 30th.
b Observations taken at 9 a. m. and 3 p. m.
c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 67.48.
d Same temperature on the 15th.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 66.13.
f Same temperature on the 28th and 29th.
g Observations taken at 6 a. m., 2 p. m., and 9 p. m.
h Same temperature on the 18th.
i Same temperature on the 17th and 18th.
j Observations taken at 6 a. m. and 1 p. m.
k Same temperature on the 29th.
l Observations taken at 7 a. m., noon, and 9 p. m.
m Same temperature on the 12th, 13th, 15th, 16th, and 17th.
n Observations taken at 7 a. m., 1 p. m., and 7 p. m.
o Observations taken at 7 a. m., 1 p. m., and 9 p. m.
p Same temperature on the 14th.
q Same temperature on the 17th.
r Same temperature on the 10th and 11th.
s Observations taken at 9 a. m., 2 p. m., and 4 p. m.
t Same temperature on the 12th.
u Same temperature on the 31st.
v Same temperature on the 10th, 17th, and 18th.
w Same temperature on the 13th and 17th.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Rocky Run	64.35	85.65	67.13	72.38	16	101	14	84.67	29	44	28	56.00	3.7
Superior (*a*)	54.81	69.19	68.13	63.64	19	81	10	71.00	28	43	28	51.50	....
Wausau	62.87	75.45	63.84	67.39	16	98	16	89.00	28	48	28	56.67	3.8
IOWA—													
Bellevue	65.68	84.77	67.03	72.49	15	*b* 96	15	*c* 81.33	29	43	28	61.33	4.2
Border Plains	67.87	83.52	68.13	73.17	8	98	7	*d* 84.67	26	55	27	*e* 64.00	4.5
Burlington	71.00	81.80	71.41	74.74	14	91	14	84.33	31	58	27	66.33	5.2
Dubuque	67.71	81.45	70.74	73.30	15	93	13	*f* 83.00	29	54	28	61.00	3.6
Fairfield	69.93	78.25	68.61	72.26	4	98	12	82.60	29	56	29	62.00	4.5
Forestville	63.03	81.71	64.70	69.81	17	97	11	82.00	28	51	28	56.00	2.4
Fort Madison (*g*)	67.03	81.68	72.35	73.69	9	*h* 92	13	83.00	29	50	29	61.00	3.0
Lyons City	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.2
Muscatine	62.39	80.84	68.97	70.73	17	92	9	79.00	29	42	29	56.67	3.0
Pleasant Plain	70.00	81.58	66.97	72.85	17	96	16	83.33	31	55	28	62.00	3.4
Rossville	67.65	83.69	65.75	72.36	14	99	14	84.57	31	48	31	57.23	4.4
MINNESOTA—													
Beaver Bay, [Clark]	59.16	63.28	58.24	60.23	6	71	6	68.33	27	47	28	49.83	4.0
Beaver Bay, [Wieland]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.3
Burlington	56.48	72.61	56.29	61.79	6	87	5	69.67	28	43	27	52.00	2.9
Chatfield	65.03	80.45	63.81	69.76	8	94	8	83.67	31	48	31	56.00	4.1
Forest City	61.81	74.61	63.81	66.74	7	90	7	80.33	31	50	28	*i* 58.00	2.0
Hazlewood	64.34	78.63	67.00	69.99	7	96	7	85.33	31	51	31	61.00	4.3
Princeton	64.74	76.83	64.32	68.63	11	93	6	84.33	27	50	27	55.33	3.6
NEBRASKA—													
Bellevue	68.48	81.03	69.57	73.03	7	*j* 93	7	82.67	19	58	27	65.00	2.8
Elkhorn	66.45	83.68	69.35	73.16	7	96	7	84.67	24	57	23	64.33	4.0
Nebraska City	71.72	81.25	71.87	74.95	8	92	8	85.10	31	57	31	57.50	4.3
Omaha, [Rain]	69.64	80.77	71.55	73.99	8	93	7	84.00	1	*k* 58	31	64.67	4.2
KANSAS—													
Burlingame	69.97	83.06	69.03	74.02	17	94	8	81.33	23	58	23	65.33	3.6
Lecompton	73.45	86.26	76.26	78.66	8	97	9	86.00	27	66	3	74.00	2.6
Manhattan	71.61	87.90	74.32	77.94	7	98	7	86.67	23	58	31	68.33	5.0
Moneka	75.26	83.13	.....	69.40	21	99	8	*l* 88.50	20	64	28	68.00	5.8
Neosho Falls	73.10	86.58	73.91	77.86	7	*m* 94	7	*n* 83.67	23	61	24	66.67	3.1
Wyandott City	71.24	84.00	76.71	77.32	22	92	17	82.33	30	61	31	65.00	3.6
UTAH													
Great Salt Lake City	70.00	84.00	76.00	76.67	....	93	....	.....	....	62	....	.....	....
OREGON—													
Portland	61.26	76.16	60.03	65.82	21	95	21	78.33	15	48	14	56.33	6.2
CALIFORNIA—													
Auburn	.....	.....	.....	90.39	....	.....	....	.....	....	.....	....	.....	0.9
Monterey	59.90	68.74	59.69	62.78	5	74¾	5	66.47	....	?	....	?	....
Sacramento	62.48	72.29	66.69	67.16	20	85	7	75.33	26	58	25	*o* 62.33	0.4
San Francisco	56.87	65.81	55.74	59.47	7	76	7	65.00	30	*k* 52	25	55.00	4.8
Union Ranche	65.43	90.17	75.07	76.89	19	99	30	84.33	14	*p* 60	24	69.00	0.6
MEXICO—													
Cordova (*q*)	72.64	76.15	73.47	74.37	26	79.2	....	.....	5	70.9	....	.....	....
Mirador (*r*)	70.16	77.36	70.77	72.76	....	.....	....	.....	20	66.2	....	.....	....
Vera Cruz (*s*)	80.95	.....	82.74	81.84	....	?	....	?	....	?	....	?	....
WEST INDIES—													
Nassau, Bahamas (*t*)	.....	.....	.....	87.70	17	*u* 90	17	*u* 89.50	23	85	23	85.00	....
St. George's, Bermuda (*v*)	.....	.....	.....	78.07	....	86	....	.....	....	73.2	....	.....	....

a Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 62.42.
b Same temperature on the 16th and 17th.
c Same temperature on the 16th.
d Same temperature on the 8th.
e Same temperature on the 28th.
f Same temperature on the 15th.
g Observations taken at 6 a. m., noon, and 7 p. m.
h Same temperature on the 10th, 12th, and 17th.
i Same temperature on the 29th.
j Same temperature on the 8th, 9th, and 11th.
k Same temperature on the 31st.
l Same temperature on the 11th.
m Same temperature on the 10th.
n Same temperature on the 8th, 10th, and 11th.
o Same temperature on the 26th.
p Same temperature on the 18th and 25th.
q Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 74.84; mean at 6 p. m., 74.73.
r Observations taken at 7 a. m., 2 p. m., and 8 p. m.
s Observations taken at 7 a. m. to 8 a. m., and 10 p. m. to 11 p. m. Incomplete.
t Mean obtained from maximum and minimum.
u Same temperature on the 18th, 19th, 20th, and 31st.
v Observations taken at 30 a. m., 9½ a. m., 3° p. m., and 9½ p. m.

No. 21.—THERMOMETER AND FACE OF SKY, AUGUST, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
CENTRAL AMERICA—													
Guatemala (*a*)	-------	-------	-------	67.19	30	82	----	-------	1	57.2	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	74.88	87.68	79.61	80.72	18	92	7	82.67	24	72.5	8	76.00	4.6

a Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.

b Observations taken at 6 a. m., 2 p. m., and 6 p. m.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Simpson	41.63	51.10	43.37	45.37	10	72	10	62.67	29	30	30	33.00	6.7
Hamilton (*a*)	58.36	.....	58.73	58.54	11	75	11	70.00	14	*b* 46	15	47.00	....
Montreal	53.07	60.82	55.67	56.52	9	71	12	64.83	15	40	14	43.43	6.5
Red River Settlement	49.12	62.86	48.23	53.40	7	76	....	?	19	33	....	?	5.4
St. John's	56.13	62.30	52.20	56.88	13	73	13	68.00	23	32	24	44.00	5.0
St. Martin (*c*)	49.65	62.50	53.13	55.09	19	77	9	67.83	16	34	14	41.80	....
Stanbridge	49.93	60.33	53.27	54.51	27	72	11	75.67	15	32	15	37.67	6.7
Toronto (*c*)	50.35	60.18	53.88	54.80	11	73	10	63.27	15	36	15	43.08	6.5
Windsor	50.55	63.00	52.96	55.50	12	76	12	66.33	30	33.5	15	43.17	5.9
Wolfville	53.60	62.38	50.46	55.48	13	77	13	67.00	17	37	16	45.00	5.6
MAINE—													
Belfast (*d*)	56.25	63.14	56.68	58.69	10	75	1	69.00	21	43	21	44.00	5.6
Cornish, [West]	50.80	60.11	52.73	54.55	20	71	20	64.00	15	35	15	*e* 40.67	4.8
Cornishville	53.80	63.23	55.67	57.56	20	73	20	66.33	15	36	15	42.67	5.0
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Gardiner	52.18	62.63	53.05	55.95	12	73	12	66.33	30	38	15	45.00	6.1
Lisbon	51.60	65.63	53.67	56.97	20	78	12	67.67	30	35	16	44.67	4.6
Perry	50.46	61.25	49.61	53.77	8	72	13	64.33	15	*f* 36	15	42.67	4.2
Portland	51.88	61.85	54.12	55.95	20	75	?	?	15	38	15	43.50	5.9
Steuben	51.43	61.36	50.29	54.36	12	72	12	63.67	30	35	15	40.67	5.9
Vassalborough	.....	.....	.....	55.10	.....	.....	.....	.....	.....	.....	.....	.....	5.5
NEW HAMPSHIRE—													
Claremont	53.40	65.60	56.03	58.34	27	74	11	67.33	15	39	15	44.33	5.6
Mount Washington (*g*)	32.04	35.33	34.09	33.82	11	51	11	49.45	15	10	14	18.67	4.2
Shelburne (*h*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.1
Stratford	48.03	59.50	50.17	52.57	27	71	27	63.33	15	*i* 30	15	35.33	6.1
VERMONT													
Brandon	51.90	63.56	53.83	56.43	19	*j* 74	11	65.83	15	32	15	39.67	5.5
Burlington	51.78	58.95	53.62	54.78	19	69	11	64.00	15	33	15	37.33	6.1
Craftsbury	49.37	59.20	52.13	53.57	19	73	11	63.00	15	30	15	36.00	6.1
Lunenburg	40.80	73.50	.....	57.15	26	87	12	67.00	15	*i* 23	16	41.50	5.6
Rupert	55.67	66.33	60.60	60.87	19	*k* 72	19	*l* 67.33	15	36	14	49.33	5.3
St. Johnsbury	47.58	61.83	50.72	53.38	27	75	12	63.00	15	31	15	37.33	6.0
MASSACHUSETTS—													
Amherst	51.48	64.79	55.05	57.11	27	74	20	67.00	16	38	15	44.33	4.7
Cambridge	55.15	62.86	56.50	58.17	12	78	20	*m* 68.33	16	*f* 41	15	46.33	5.2
Lawrence	53.77	65.00	55.70	58.16	12	*n* 75	11	*o* 67.00	30	38	15	46.67	5.2
Mendon	55.06	66.37	56.37	59.27	13	*j* 76	11	68.33	14	*p* 42	15	47.33	5.0
Nantucket	62.53	67.29	60.86	63.56	9	75	11	70.00	15	48	15	52.50	5.0
New Bedford	56.20	65.21	56.98	59.46	4	75	12	67.70	15	41	15	46.33	6.1
Westfield	50.50	65.73	54.33	56.85	27	76	11	67.67	15	*i* 37	15	43.33	5.4
Williamstown	50.45	61.32	53.46	55.08	27	73	11	65.81	15	37	15	41.91	5.9
Worcester	53.48	64.75	56.12	58.12	27	75	11	68.17	16	40	15	45.17	5.3
RHODE ISLAND—													
Providence (*c*)	54.30	67.70	56.90	59.63	4	*q* 78	20	69.67	15	*i* 39	15	46.33	5.2
CONNECTICUT—													
Columbia	54.87	65.77	54.40	58.35	18	*l* 76	12	69.33	15	36	16	44.00	5.1
Middletown	53.05	68.93	56.04	59.34	12	*r* 79	20	69.87	16	37	15	46.47	4.8
Pomfret	52.19	61.71	59.86	57.92	13	*r* 71	11	*r* 65.67	16	38	15	43.50	5.3
Saybrook	56.80	67.68	59.27	61.25	11	78	11	70.67	15	42	15	49.33	4.8
Wallingford	52.72	67.30	55.98	58.67	26	76	11	68.67	16	39	15	45.83	4.5
NEW YORK—													
Bellport	58.78	65.10	59.52	61.13	4	75	11	70.33	16	44	15	48.67	4.4
Beverly	55.13	65.29	57.62	59.35	4	*s* 72	11	69.00	15	42	15	47.00	4.8

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature on the 15th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Observations taken at 7 a. m., noon, and 6 p. m.
e Same temperature on the 21st.
f Same temperature on the 30th.
g For the first half of the month only.
h Observations taken at sunrise, noon, and 9 p. m.
i Same temperature on the 16th.
j Same temperature on the 27th.
k Same temperature on the 26th and 27th.
l Same temperature on the 26th.
m Same temperature on the 11th and 12th.
n Same temperature on the 13th and 27th.
o Same temperature on the 12th.
p Same temperature on the 15th and 16th.
q Same temperature on the 20th and 27th.
r Same temperature on the 20th.
s Same temperature on the 11th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	57.24	62.57	59.69	59.83	19	73	11	?	15	44	15	47.67	4.7
Flatbush	58.38	67.80	58.84	61.67	11	77	11	70.00	15	46	15	48.30	5.2
Nichols	53.57	68.10	54.70	58.79	27	79	20	67.67	14	*b* 37	15	43.33	5.9
Oswego	56.20	63.27	56.77	58.75	11	76	11	69.00	15	41	15	43.67	6.2
Penn Yan (*c*)	50.93	64.93	57.33	57.73	19	79	11	67.33	15	34	15	44.00	3.3
Rochester, [Dewey]	54.80	66.00	57.70	59.50	19	79	10	68.00	15	43	15	47.00	5.6
Wampsville	53.03	64.23	53.63	56.96	27	77	11	68.33	15	34	15	40.67	6.3
Waterford	54.33	66.50	58.06	59.63	27	76	11	*d*68.00	16	40	15	*e* 48.00	5.3
NEW JERSEY—													
Freehold	57.27	68.92	60.27	62.15	4	*f* 78	11	70.67	15	44	15	51.00	----
Lambertville	57.79	72.02	59.13	62.98	11	81	11	72.43	15	45	15	51.63	4.6
Newark (*g*)	-------	-------	------	61.05	11	76	11	70.62	15	42	15	49.75	----
PENNSYLVANIA—													
Bedford	55.83	70.46	60.67	62.32	9	80	10	70.00	15	42	15	56.33	5.2
Berwick (*h*)	58.72	66.77	60.10	61.86	19	76	11	68.67	15	44	15	51.00	5.4
Cannonsburg	57.45	69.33	63.07	63.28	9	78	10	70.67	14	46	14	56.33	6.5
Carlisle	60.72	69.52	62.81	64.35	10	78	11	75.00	15	49	16	53.33	6.2
Chambersburg	60.77	70.10	65.10	65.32	11	79	11	74.67	15	52	16	53.67	6.0
Easton (*i*)	58.69	68.26	57.07	61.34	9	*f* 76	28	67.60	14	45	16	49.67	5.5
Fleming	55.80	72.23	57.43	61.82	9	*k* 81	20	70.67	15	42	15	49.33	5.4
Gettysburg	57.95	71.23	62.23	63.80	10	80	11	71.67	15	47	15	55.00	5.5
Harrisburg, [Heisely]	62.20	71.93	66.40	66.84	10	81	10	*l* 74.67	15	49	16	56.00	5.2
Harrisburg, [Hickok]	58.87	70.75	63.10	64.24	10	81	10	*l* 72.50	15	45	15	53.17	5.7
Lewisburg	56.36	68.03	58.29	60.96	10	76	10	68.97	15	43	15	48.60	6.3
Morrisville	57.27	69.53	59.40	62.07	11	*d* 77	11	69.67	15	44	15	52.00	4.2
Mount Joy	62.25	73.92	64.60	66.92	10	87	10	73.67	15	48	15	58.00	3.9
Nazareth	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	6.6
Norristown	59.06	67.65	61.52	62.74	10	76	10	68.00	15	48	15	53.33	4.7
North Whitehall (*m*)	54.03	68.80	62.30	61.71	26	80	28	70.33	15	40	15	*e* 49.00	5.3
Philadelphia	61.02	72.88	64.65	66.18	28	81	11	73.33	15	48	15	56.50	6.1
Pittsburg, [Marine Hospital]	57.73	68.33	62.10	62.72	11	78	11	72.33	6	45	14	55.33	6.1
Pocopson	60.83	72.12	61.38	64.78	12	81	4	*l* 70.67	15	51	15	*e* 58.00	5.2
Shamokin	52.27	66.63	58.43	59.11	3	77	11	68.33	15	32	15	43.33	5.5
Somerset	54.43	68.63	57.10	60.15	19	80	11	67.33	8	*n* 45	14	51.67	7.0
Tarentum	55.93	70.27	57.57	61.26	3	*l* 79	11	71.33	6	*o* 15	6	52.67	5.6
West Haverford	58.97	71.30	-------	65.13	4	80	11	73.50	15	44	15	52.00	----
Worthington	56.40	69.60	59.90	61.97	9	80	21	71.00	15	43	14	52.67	5.6
MARYLAND—													
Annapolis	62.40	72.83	69.57	68.27	11	82	11	75.16	14	52	15	58.83	4.6
Bladensburg	60.61	74.52	61.78	65.64	4	83	----	?	15	51	----	?	6.7
Frederick	60.05	69.24	64.90	61.73	20	87	20	75.23	15	51	16	56.67	5.6
Leitersburg	59.43	72.86	62.40	64.90	10	*l* 82	11	76.67	15	*o* 46	15	55.33	5.4
Leonardtown	67.27	72.85	68.71	69.61	12	82	11	76.67	15	56	15	61.33	6.1
Sykesville	60.43	71.07	63.10	64.87	4	78	21	71.33	15	49	5	56.33	5.2
DISTRICT OF COLUMBIA—													
Washington	62.47	72.50	66.73	67.23	4	80	4	74.33	15	52	15	57.33	5.6
VIRGINIA—													
Crichton's Store (*p*)	66.14	75.68	74.14	71.99	3	85	3	77.00	24	*q* 60	25	63.00	5.1
Cross Creek	53.21	71.07	59.16	61.15	4	*r* 81	11	72.67	6	*n* 38	14	52.67	----
Falmouth	66.77	74.80	65.90	69.16	2	*s* 84	3	78.00	15	52	5	59.33	----
Lewinsville	61.72	73.52	64.17	66.47	3	82	11	74.67	15	49	15	56.67	4.8
Lewisburg	52.47	75.67	55.73	61.29	6	*t* 79	9	*k*64.67	24	*u* 34	24	52.33	3.5
Montross	63.27	72.07	64.67	66.67	11	80	11	72.67	14	54	5	60.33	5.6

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Same temperature on the 15th.
c Observations taken at sunrise, 2 p. m., and sunset.
d Same temperature on the 12th.
e Same temperature on the 16th.
f Same temperature on the 10th and 11th.
g Daily maximum and minimum.
h Incomplete.
i Observations taken at 8 a. m., 2 p. m., and 10 p. m.
j Same temperature on the 10th and 28th.
k Same temperature on the 16th.
l Same temperature on the 11th.
m Observations taken at sunrise, noon, and sunset.
n Same temperature on the 14th.
o Same temperature on the 8th.
p Observations taken at 7½ a. m., noon, and 6 p. m.
q Same temperature on the 25th and 27th.
r Same temperature on the 9th.
s Same temperature on the 27th.
t Same temperature on the 9th and 10th.
u Same temperature on the 25th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—Continued.	°	°	°	°		°		°		°		°	
Mont View	61.27	73.17	64.27	66.34	11	82	11	74.00	5	*a* 56	5	56.67	4.8
Poplar Grove	61.20	74.20	62.40	65.93	9	*b* 84	10	73.33	14	50	14	58.33	6.5
Portsmouth	64.33	79.40	64.83	69.52	4	87.5	4	76.50	10	53.5	6	63.17	2.9
Rose Hill	----	----	----	----	----	86	----	----	----	52	----	----	----
Rougemont	64.56	75.64	67.54	69.25	12	86	4	75.67	15	56	5	59.67	6.3
Smithfield	63.88	74.54	65.74	68.05	4	81	----	?	10	54	----	?	4.9
Westwood	64.45	72.26	68.22	68.31	4	83	----	?	8	58	----	?	----
NORTH CAROLINA—													
Chapel Hill	65.70	79.03	67.63	70.79	4	*c* 88	4	78.00	6	*b* 60	6	64.67	5.0
Green Plains	64.60	78.60	64.33	69.18	12	86	12	73.33	5	*d* 60	6	62.67	----
Murfreesborough	65.19	73.21	68.29	68.90	20	85	----	?	10	56	----	'	3.7
SOUTH CAROLINA—													
Aiken	67.04	82.69	68.52	72.75	27	93	5	81.67	13	60	----	?	3.7
All Saints	69.73	78.50	70.97	73.07	12	85	16	80.67	14	62	7	67.00	1.9
Charleston	72.10	80.67	75.87	76.21	12	86	16	81.33	23	*e* 66	7	70.00	----
Columbia, [White]	70.13	81.63	72.23	74.67	12	89	4	81.67	24	59	6	67.67	23.0
St. John's	67.64	81.77	71.37	73.59	5	*f* 88	12	80.67	11	*g* 60	23	68.00	3.4
GEORGIA—													
Athens	64.84	77.04	68.75	70.21	4	85	12	75.40	24	57	22	63.30	4.0
Atlanta	63.00	76.60	67.33	68.98	3	*h* 84	3	76.67	24	52	21	60.67	2.8
Augusta	70.10	85.84	72.40	76.11	4	96	4	83.67	23	62	22	70.33	3.7
Clarksville	62.47	75.37	69.07	68.97	3	*i* 80	5	75.33	24	*j* 51	24	61.00	3.9
Savannah	71.71	82.19	74.67	76.19	5	90	5	83.00	25	64	7	69.60	4.1
Sparta	63.67	81.40	69.43	71.50	4	92	4	*k*78.33	23	*e* 54	22	62.33	3.5
Thomaston	69.07	80.19	76.22	75.16	14	86	13	80.33	22	60	22	67.67	4.1
Whitemarsh Island	72.80	80.68	74.63	76.04	4	*l* 86	4	81.33	24	67	7	70.00	4.1
FLORIDA—													
Alligator	74.17	86.73	77.20	79.37	2	*m* 93	4	84.67	25	66	21	75.00	3.5
Atsena	75.97	83.13	78.43	79.18	8	*n* 88	14	82.00	22	*o* 70	22	74.67	3.0
Belair	75.32	89.07	75.07	79.82	1	*p* 92	8	86.00	21	*q* 67	21	*j* 73.67	----
Jacksonville	77.73	85.43	77.47	80.21	4	*k* 92	4	86.33	22	*r* 70	22	75.00	3.8
Micanopy	73.22	84.47	75.41	77.70	6	91	4	82.10	22	65	21	72.33	3.9
St. Augustine	77.81	83.77	80.03	80.54	17	90	13	85.00	22	74	22	77.33	3.9
Salt Ponds (*s*)	81.40	87.10	-------	84.25	4	91	4	87.00	8	*t* 80	11	*u* 82.00	3.5
Warrington	77.70	85.70	80.80	81.40	6	*v* 92	5	*w*87.00	22	65	22	71.00	2.5
ALABAMA—													
Cahawba	71.93	79.52	74.72	75.39	12	86	4	83.33	23	55	22	?	2.2
Carlowville	68.80	82.20	72.00	74.33	1	90	1	81.33	22	*e* 60	10	69.00	2.8
Greene Springs	67.20	82.39	70.65	74.41	----	?	----	?	----	?	----	?	----
Greensborough	66.85	80.80	71.83	73.16	3	90	3	79.67	22	55	21	62.67	2.6
Selma	68.17	81.70	73.90	74.59	3	92	3	81.00	22	56	21	62.33	3.3
MISSISSIPPI—													
Columbus	66.41	81.47	70.76	72.88	3	90	2	78.73	23	56	21	61.70	3.9
Natchez	69.20	82.30	74.27	75.26	9	88	10	80.33	22	55	21	63.33	4.1
Paulding	71.62	86.36	77.82	78.60	3	96	3	86.00	22	56	----	!	3.5
Westville	71.30	84.18	79.55	78.34	17	94	17	85.67	22	51	21	64.67	4.3
LOUISIANA—													
New Orleans (*x*)	79.73?	82.90	84.40	82.34	12	91	12	87.00	21	68	21	70.33	----
TEXAS—													
Austin, [Palm]	73.05	83.55	73.69	76.76	3	96	2	85.33	5	60	5	60.33	6.2
Austin, [Van Nostrand]	72.00	85.01	74.05	77.02	3	98	1	86.16	21	*y* 60	5	62.16	5.2

a Same temperature on the 6th, 7th, 8th, 9th, 15th, and 16th.
b Same temperature on the 10th.
c Same temperature on the 11th.
d Same temperature on the 6th, 7th, 8th, 9th, 10th, 14th, 15th, and 30th.
e Same temperature on the 24th.
f Same temperature on the 12th and 30th.
g Same temperature on the 21th and 25th.
h Same temperature on the 28th.
i Same temperature on the 5th, 11th, 12th, and 28th.
j Same temperature on the 26th.
k Same temperature on the 5th.
l Same temperature on the 13th.
m Same temperature on the 4th.
n Same temperature on the 9th.
o Same temperature on the 25th.
p Same temperature on the 3d, 4th, 7th, 8th, 10th, 11th, and 12th.
q Same temperature on the 26th, 27th, and 28th.
r Same temperature on the 26th and 27th.
s Thermometer 2½ to 2¾ degrees too high.
t Same temperature on the 10th, 11th, 12th, 13th, 14th, 15th, 24th, 25th, and 28th.
u Same temperature on the 12th and 14th.
v Same temperature on the 7th.
w Same temperature on the 6th.
x Observations taken at 9 a. m., noon, and 3 p. m.
y Same temperature on the 22d.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
TEXAS—Continued.	°	°	°	°		°		°		°		°	
Gilmer (*a*)	66.63	84.03	.....	75.33	12	93	16	82.00	21	48	21	82.00	5.1
Larissa	70.72	84.03	73.96	76.24	2	97	17	82.83	21	56	20	63.67	4.8
New Braunfels	73.53	89.40	78.07	80.32	3	100	3	89.00	21	57	21	70.00	1.8
Roundtop	72.00	89.00	77.00	79.33	....	101	....	.....	....	58	....	.....	....
Sisterdale	71.20	85.79	71.97	76.32	1	98	2	86.53	21	52	21	65.90	5.1
Union Hill	70.47	84.47	74.73	76.56	3	96	12	*b*83.67	21	57	20	66.67	4.8
Washington	74.13	86.53	72.67	77.58	3	*b* 98	3	86.00	21	58	5	69.00	4.1
Webberville	75.27	85.20	75.47	78.65	3	97	1	87.00	21	55	5	62.67	4.9
ARKANSAS—													
Washington (*a*)	66.63	81.53	.....	74.08	17	92	10	82.50	21	*c* 52	20	*d* 65.00	....
TENNESSEE—													
Glenwood	62.58	75.40	66.00	67.99	18	86	18	77.47	15	55	21	57.13	6.6
Memphis	64.65	77.90	69.73	70.76	18	90	18	80.67	20	*e* 56	21	58.33	4.8
KENTUCKY—													
Bardstown	62.29	74.74	64.60	67.21	18	86	10	75.67	14	55	22	?	5.6
Danville	64.11	76.28	66.50	68.96	18	87	11	76.00	14	55	23	62.00	5.0
Lexington	61.33	72.33	63.47	69.04	18	83	10	73.67	14	53	21	*c* 59.00	5.8
Paris	59.70	70.44	62.83	64.32	10	80	10	74.00	14	47	14	57.00	5.2
Springdale (*f*)	57.82	74.67	69.50	67.33	18	87	10	76.67	14	43	14	58.67	5.5
OHIO—													
Avon	59.10	68.23	58.81	62.05	9	81	19	72.67	14	45	14	51.00	6.0
Bellefontaine	57.40	70.86	58.71	62.32	9	80	9	72.00	15	48	15	52.33	5.7
Bowling Green	56.81	68.47	58.10	61.13	30	78	10	70.40	3	*g* 46	7	53.00	5.8
Cincinnati, [Harper]	60.73	74.70	64.83	66.75	18	86	18	75.67	14	51	21	60.67	5.3
Cincinnati, [Phillips]	63.23	74.87	66.97	68.36	9	86	10	78.67	6	*h* 56	21	62.00	4.9
Cleveland	57.87	68.38	61.75	62.67	19	79	11	71.00	15	46	15	53.80	6.7
College Hill	60.67	70.10	61.47	64.08	18	82	11	75.00	5	*i* 52	6	56.67	5.9
Collingwood	57.87	70.47	58.33	62.22	8	*j* 80	11	72.33	23	45	15	55.33	....
Elk Run	57.50	70.12	59.63	62.42	9	*k* 79	10	72.00	15	43	14	54.33	5.8
Freedom	57.03	68.36	57.86	61.08	19	79	19	70.33	7	*l* 40	14	49.67	5.5
Hillsborough	56.78	67.73	61.23	61.90	30	77	10	70.80	14	46	5	53.33	5.3
Hudson (*m*)	56.54	66.70	59.73	60.99	9	76	11	69.20	15	43	14	50.60	6.1
Iberia (*n*)	59.19	69.40	60.69	63.09	18	80	19	70.67	15	47	15	55.00	6.3
Jackson, [Monroe county] (*o*)	59.50	74.11	60.92	64.84	10	80	10	?	13	51	?	?	....
Kelley's Island	59.83	66.06	60.93	62.27	18	76	10	70.67	14	51	14	54.33	5.0
Madison, [Atkins]	59.40	68.28	58.72	62.13	9	82	10	71.33	?	?	?	?	5.9
Madison, [King]	57.73	66.50	56.87	60.37	9	82	10	71.00	6	47	14	52.00	4.8
Montville	56.90	65.60	59.25	60.58	8	75	10	*p*68.67	14	44	15	48.80	6.0
New Lisbon	56.13	70.70	59.06	61.96	9	*q* 80	21	*p*72.00	8	40	5	54.00	4.2
Northwood	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	5.4
Portsmouth	61.50	76.43	62.37	66.77	10	88	10	77.33	14	50	14	*h* 61.00	5.1
Rockport	60.23	69.10	61.87	63 73	12	81	10	74.33	14	*r* 46	14	54.00	....
Savannah	58.17	72.30	59.60	63.36	3	84	30	73.67	14	45	14	54.33	6.6
Troy	58.70	72.97	62.07	64.58	9	84	9	74.33	14	44	14	55.67	4.9
Urbana	56.50	72.47	60.50	63.16	9	*p* 82	9	72.00	6	43	14	55.00	6.3
Welchfield	56.60	67.97	55.93	60.17	19	80	19	69 33	14	40	14	48.33	4.4
Westerville	57.93	71.25	61.28	63.49	9	82	30	72.67	14	47	14	53.17	5.9
Windham	55.07	67.97	59.27	60.77	9	77	10	68.60	8	*r* 42	14	49.33	....
MICHIGAN—													
Battle Creek	54.97	68.90	58.50	60.79	9	82	10	73.33	4	*g* 42	20	50.00	4.2
Corunna	.....	.....	.....	.....	....	.....	....	.....	....	.....	....	.....	6.3
Detroit	57.27	67.83	58.53	61.21	1	77	10	72.67	1	42	14	52.00	5.1
Grand Haven	54.80	64.07	59.33	59.40	9	81	9	70.33	15	44	14	50.33	5.6

a Observations taken at sunrise and 2 p. m.
b Same temperature on the 13th.
c Same temperature on the 22d.
d Same temperature on the 21st and 22d.
e Same temperature on the 21st.
f Observations taken at 5 a. m., 2 p. m., and 6 p. m.
g Same temperature on the 6th.
h Same temperature on the 7th.
i Same temperature on the 6th and 7th
j Same temperature on the 17th and 29th.
k Same temperature on the 22d and 28th.
l Same temperature on the 14th.
m The records of thermometer at this place are 6°.85 too high.
n For the last 16 days of the month only.
o Incomplete.
p Same temperature on the 30th.
q Same temperature on the 10th, 22d, and 30th.
r Same temperature on the 15th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG. COLDEST DAY.				
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MICHIGAN—Continued.	°	°	°	°		°		°		°		°	
Grand Rapids	54.67	68.99	56.83	60.15	9	86	9	a73.33	3	b42	20	49.00	5.6
Lake George	47.15	62.62	52.87	54.21	17	c73	24	61.67	14	30	14	39.00	6.6
Marquette	50.02	61.33	50.06	53.80	29	74	10	66.10	6	d30	14	40.67	5.2
Monroe, [Bowlsby]	57.93	69.07	61.93	62.98	26	77	10	71.31	4	45	14	52.33	4.9
Monroe, [Whelpley]	------	------	------	------	----	------	----	------	----	------	--	------	4.5
Monroe Piers (e)	56.25	64.63	63.00	60.89	10	72	10	70.25	4	45	14	51.37	5.8
New Buffalo	56 70	65.32	56 03	59.68	9	82	9	70.33	6	40	5	51.67	6 3
Ontonagon (f)	54.70	60.38	------	57.54	28	76	9	g69.00	21	41	2	46.00	5.4
Ottawa Point (h)	52.97	62.53	60.03	57.86	12	73	10	68.00	15	39	14	46.50	6.8
Thunder Bay Island (i)	51.80	58.07	55.02	55.15	12	71	10	65.50	14	36	14	41.25	7.2
Ypsilanti	53.96	67.52	55.12	58.87	18	79	10	70.25	14	42	14	48.33	5.9
INDIANA—													
Aurora (j)	59.83	75.73	64.97	66.84	18	90	18	80.00	14	44	22	60.67	----
Cannelton	64.07	73.94	64.90	67.63	18	86	18	78.40	14	53	14	59.67	5.2
Logansport	59.87	71.97	63.33	65.06	1	88	1	76.00	6	47	14	k56.67	5.8
Michigan City (l)	56.97	63.40	62.40	60.84	9	81	9	73.25	6	38	20	50.50	3.5
Mishawaka	53.57	69.30	55.60	59.49	9	85	9	72.33	7	36	5	50.33	4.6
New Albany	61.67	75.61	65 14	67.47	10	84	10	77.67	14	51	14	59.00	5.5
New Harmony	63.03	74.13	66.13	67.76	18	86	9	77.00	14	53	14	58.00	6.4
Richmond	59.96	70.29	------	65.12	9	79	11	71.00	14	50	14	b58.00	7.6
Richmond, [Haines] (m)	62.50	70.60	66.33	66.48	18	80	10	74.67	6	n49	6	58.00	4.7
ILLINOIS—													
Augusta	56.40	69.03	60.93	62.12	10	83	10	77.33	4	o45	20	48.67	4.7
Aurora	54.53	69.43	56.63	60.20	9	83	10	74.67	7	44	20	49.67	4.7
Batavia, [Mead]	54.60	72.67	57.67	61.64	29	85	10	76.00	2	35	20	51.00	5.3
Carthage (p)	58.97	72.79	61.32	64.36	27	86	24	74.00	20	46	20	49.33	----
Edgington	55.40	72.40	60.60	62.80	10	88	10	75.33	21	42	20	49.33	5.3
Elgin	53.50	69.30	56.27	59.69	9	82	10	73.67	7	41	20	49.00	5.7
Galena	------	------	------	------	----	------	----	------	----	------	----	------	4.8
Manchester (q)	58.86	70.16	61.03	63.35	25	82	10	72.00	20	46	20	49.33	5.8
Marengo	57.57	68.54	56.79	60.97	10	83	10	76.33	2	40	20	51.00	4.5
Napierville (r)	54.76	68.50	57.62	60.29	17	78	----	?	4	46	----	?	6.0
Ottawa	54.69	68.91	59.71	61.10	10	87	10	75.33	2	44	20	51.67	6.1
Pekin	58.03	71.27	61.20	63.50	10	85	10	76.33	4	45	20	52.00	5.2
Peoria	59.82	72.15	63.92	65.30	10	86	10	77.67	4	44	20	53.33	4.9
Riley	55.83	69.24	56.67	60.58	10	82	10	77.00	6	44	20	52.67	4.2
Sandwich	55 73	72.46	59.75	62.64	10	86	10	79.67	2	s46	20	52.00	5.1
Upper Alton	59.20	72.23	61.50	64.31	10	84	10	75.67	20	47	20	51.33	3.9
West Salem	62.80	76.87	65.87	68.51	18	90	9	78.67	4	53	21	57.00	5.6
West Urbana	58.57	70.63	61.17	63.46	9	91	9	80.33	2	45	20	55.67	5.6
Wheaton	55.79	67.76	56.53	60.03	9	84	10	74.17	1	47	20	51.17	5.8
Winnebago	53.10	69.48	56.55	59.71	10	85	10	74.67	5	41	5	50.33	4.7
Woodstock	56.38	70.36	57.24	61.33	10	90	10	78.67	21	42	20	k48.67	5.7
MISSOURI—													
Cassville	65.23	72.07	66.23	67.84	29	85	28	79.33	5	52	4	t55.00	6.2
Paris	57.70	69.67	61.73	63.03	10	82	10	76.67	20	46	20	48.67	5.3
St. Louis, [Engelmann]	62.68	73.52	64.98	67.06	10	g82	10	76.67	20	48	20	51.50	5.1
St Louis, [Fendler]	60.52	73.27	62.90	65.56	10	85	10	77.33	20	48	20	51.33	----
Stockton	65.70	74.00	66.39	68.70	16	u86	10	78.00	5	54	5	56.67	5.8
WISCONSIN—													
Appleton	53.57	65.43	54.33	57.78	10	80	10	70.67	20	40	20	46.00	3.8

a Same temperature on the 10th.
b Same temperature on the 15th.
c Same temperature on the 24th.
d Same temperature on the 22d.
e Observations taken at 6 a. m., 9 a. m., 3 p. m. and 9 p. m. Mean at 9 a. m., 59.67.
f Observations taken at 9 a. m. and 3 p. m.
g Same temperature on the 28th.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 56.13.
i Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean at 9 a. m., 55.73.
j Observations taken at 6 a. m., 2 p. m., and 9 p. m.
k Same temperature on the 21st.
l Observations taken at 6 a. m., 9 a. m, 3 p. m., and 9 p. m. Mean at 9 a. m, 60.60.
m Observations taken at 6 a. m., noon, and 9 p. m.
n Same temperature on the 7th.
o Same temperature on the 20th.
p Observations taken at 7 a. m., 1 p. m, and 7 p. m.
q Observations taken at 7 a. m., 1 p. m, and 9 p. m.
r Incomplete.
s Same temperature on the 3d, 7th, and 14th.
t Same temperature on the 5th.
u Same temperature on the 17th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—Continued.													
Bay City	46.03	56.77	47.10	49.97	9	72	9	64.67	21	30	20	36.33	3.9
Beloit	53.27	69.87	55.93	59.69	10	87	10	75.33	6	37	5	51.00	3.6
Green Bay	53.50	65.93	55.67	58.37	10	85	10	75.00	2	38	19	46.33	4.5
Janesville	48.28	71.86	58.21	59.45	10	87	10	74.67	6	34	8	*a* 51.67	3.9
Kenosha	57.62	66.09	59.43	61.05	9	*a* 84	10	74.67	6	47½	20	52.17	4.4
Manitowoc	52.37	62.97	55.17	56.84	10	79	10	71.67	2	40	14	46.67	5.9
Milwaukee, [Lapham]	55.53	63.97	58.10	59.20	12	81	10	75.33	7	45	14	50.67	
Milwaukee, [Larkin]													6.2
Milwaukee, [Winkler]	56.53	66.00	56.60	59.71	12	83	10	74.67	3	*b* 47	21	50.67	4.2
Platteville	54.50	67.83	58.67	60.33	10	81	10	74.00	21	40	21	49.33	5.0
Rocky Run	52.73	71.50	58.50	60.91	8	*c* 84	10	76.67	1	*d* 41	14	52.00	5.0
Superior, [Stuntz] (*e*)	46.13	57.76	56.10	52.91	12	71	12	63.00	20	30	20	43.50	4.4
Wausau	51.27	67.00	54.30	57.52	24	85	10	73.00	5	37	21	44.67	4.9
IOWA—													
Bellevue	53.33	71.60	57.77	60.90	9	88	9	76.33	2	*f* 36	20	50.00	4.8
Border Plains	57.47	74.07	58.57	63.37	10	*g* 87	23	75.00	20	42	4	50.67	4.6
Burlington	60.13	71.93	60.43	64.16	13	85	10	74.67	21	46	20	52.00	5.7
Dubuque	55.10	68.21	58.90	60.74	10	83	10	71.67	21	42	21	50.67	4.6
Fairfield	56.52	70.30	58.97	61.93	10	87	10	77.00	20	43	4	48.00?	5.6
Forestville	55.04	69.30	54.59	59.64	10	84	10	?	3	*i* 40	3	46.67	3.7
Fort Madison (*j*)	56.33	71.33	63.23	63.63	25	89	10	78.67	21	43	20	49.33	4.2
Lyons City													4.5
Muscatine	52.23	69.53	58.90	60.22	10	87	10	76.00	2	*k* 34	21	49.00	3.4
Pleasant Plain	56.40	71.11	58.80	62.10	10	88	10	77.67	20	*k* 44	20	50.33	5.3
Rossville	52.98	69.67	54.33	58.99	10	88	10	74.07	20	36	3	45.43	4.7
MINNESOTA—													
Beaver Bay, [Clark]	47.18	55.65	48.45	50.43	12	72	12	60.50	21	35	14	39.33	4.7
Beaver Bay, [Wieland]	48.47	62.33	47.47	52.76	9	75	9	67.00	20	*k* 33	14	39.67	4.3
Burlington	47.80	59.40	49.10	52.10	9	71	12	63.33	21	33	21	40.33	4.3
Chatfield	51.33	69.93	54.47	58.58	10	85	10	72.00	6	35	20	44.67	4.8
Forest City	50.87	65.97	53.03	56.62	9	78	9	67.33	6	35	4	45.33	2.8
Hazlewood	50.96	67.68	57.24	58.63	9	80	9	71.33	4	38	4	45.67	3.8
Princeton	52.73	67.50	55.06	58.43	24	81	9	69.33	20	40	3	47.33	4.6
NEBRASKA—													
Bellevue	55.45	72.50	59.93	62.63	17	92	17	78.67	20	*k* 39	4	49.00	3.4
Elkhorn	55.50	74.80	59.73	63.34	17	95	17	79.00	20	36	4	46.67	5.0
Nebraska	58.35	71.37	59.98	63.23	17	93	17	80.53	23	40	4	49.40	5.2
Omaha, [Rain]	54.83	72.23	60.70	62.58	17	88	17	77.33	20	32	20	42.60	5.4
KANSAS—													
Burlingame	59.33	75.37	63.47	66.06	9	*l* 90	16	79.33	19	*m* 42	19	51.33	5.0
Leavenworth City													4.9
Lecompton	64.70	78.00	66.67	69.79	16	97	10	*l* 83.67	20	52	4	57.67	3.3
Manhattan	60.73	78.23	62.56	67.17	17	96	17	86.33	21	36	20	52.67	5.6
Moneka	63.03	74.70		68.87	17	90	17	85.00	5	50	5	55.50	6.9
Neosho Falls	61.67	77.30	65.63	68.20	10	*n* 91	17	81.33	20	46	4	54.67	4.6
Wiandott City	62.16	74.46	71.30	69.11	17	89	17	83.00	20	47	19	55.67	5.2
UTAH—													
Great Salt Lake City	55.00	69.00	60.00	61.33									
CALIFORNIA—													
Auburn				81.53									2.8
Sacramento	60.37	71.67	65.63	65.89	18	82	18	72.00	7	*o* 56	11	61.67	1.4
San Francisco	57.33	67.37	57.50	60.73	18	89	30	74.67	25	51	25	54.67	3.7
Santa Clara	56.32	75.00	58.55	63.29	19	95	19	74.17	22	51	10	58.83	2.4
Union Ranche	62.82	85.00	70.50	72.77	19	96	19	83.67	7	50	7	64.67	1.5

a Same temperature on the 10th.
b Same temperature on the 19th and 21st.
c Same temperature on the 10th, 23d, and 24th.
d Same temperature on the 6th.
e Observations taken at 6 a. m., 9 a. m, 3 p. m., and 9 p. m. Mean at 9 a. m., 51.63.
f Same temperature on the 5th.
g Same temperature on the 12th.
h Same temperature on the 9th.
i Same temperature on the 4th.
j Observations taken at 6 a. m , noon, and 7 p. m.
k Same temperature on the 21st.
l Same temperature on the 16th.
m Same temperature on the 20th.
n Same temperature on the 16th and 17th.
o Same temperature on the 28th.

No. 22.—THERMOMETER AND FACE OF SKY, SEPTEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MEXICO—													
Cordova (*a*)	70.75	73.49	70.97	71.97	1	*b* 76.6	----	-------	11	*c* 69.1	----	-------	----
Mirador (*d*)	67.98	75.31	67.80	70.36	----	------	----	-------	22	63	----	-------	----
WEST INDIES—													
St George's, Bermuda (*e*)	-------	-------	-------	77.00	----	83.6	----	-------	----	70.7	----	-------	----
CENTRAL AMERICA—													
Guatemala (*f*)	-------	-------	-------	65.73	16	78.4	----	-------	4	57.2	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*g*)	75.72	87.47	79.42	80.87	6	92	5	*h* 82.67	----	*i* 74	7	78.67	4.8

a Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 72.43; mean at 6 p. m., 72.09.
b Same temperature on the 4th.
c Same temperature on the 23d.
d Observations taken at 7 a. m., 2 p. m., and 8 p. m.
e Observations taken at 3½ a. m., 9⅝ a. m., 3⅛ p. m., and 9½ p. m.
f Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
g Observations taken at 6 a. m., 2 p. m., and 6 p. m. Incomplete.
h Same temperature on the 6th.
i Same temperature on the 9th, 10th, and 12th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
BRITISH AMERICA—													
Fort Rae (*a*)	23.29	30.51	24.09	25.96	4	*b* 45	7	*b*39.00	22	5	22	8.67	4.6
Fort Simpson	22.42	28.55	23.03	24.67	8	44	8	37.00	19	8	19	9.67	6.2
Hamilton (*c*)	45.58	------	46.29	45.93	3	*d* 68	4	68.00	26	30	26	31.00	----
Montreal	40.46	47.80	43.13	43.46	5	76	4	63.40	26	24	21	28.80	6.2
Red River Settlement	30.10	42.63	32.12	34.95	2	64	2	52.50	18	12	23	24.33	4.5
St. John's	43.84	47.42	43.84	45.03	3	64	3	59.67	16	28	17	34.33	6.9
St. Martin (*e*)	36.30	49.16	40.03	41.83	5	79	5	63.83	26	21	26	26.73	----
Stanbridge	36.90	46.06	39.55	40.84	5	79	5	66.33	26	19	26	23.33	6.8
Toronto (*e*)	38.78	48.86	41.27	42.97	5	68	3	60.40	27	22	26	27.87	6.4
Windsor	40.80	49.67	41.50	43.99	4	72	14	61.50	26	27	26	29.70	7.1
Wolfville	40.86	47.62	37.36	41.95	14	70	2	62.67	26	27	26	32.33	7.2
MAINE—													
Belfast (*f*)	40.42	47.81	42.66	43.63	4	71	4	64.83	28	22	27	27.33	5.7
Cornish, [West]	35.93	48.16	39.54	41.21	4	74	4	64.33	26	16	26	21.66	3.9
Cornishville	39.19	48.74	41.48	43.14	4	74	4	66.00	26	18	26	23.67	4.5
Dexter	------	------	------	------	----	------	----	------	----	------	----	------	6.2
Gardiner	38.73	49.20	41.39	43.11	4	74	4	60.00	27	20	26	25.00	5.0
Lisbon	37.64	52.03	42.36	44.01	4	79	4	66.00	27	18	26	27.00	4.3
Newcastle	37.81	53.70	40.67	44.06	4	76	4	62.00	27	21	26	25.67	4.0
Perry	37.87	48.24	39.06	41.72	4	73	4	61.33	26	19	26	?	4.8
Portland	39.52	49.57	42.21	43.77	4	76	4	62.69	26	22	26	27.00	5.1
Steuben	38.10	46.71	40.68	41.83	14	62	14	56.67	27	25	26	27.33	5.3
Topsham	36.76	------	39.16	37.96	4	58	4	55.00	22	*g* 24	26	25.00	4.8
Vassalborough	------	------	------	42.48	----	------	----	------	----	------	----	------	6.3
NEW HAMPSHIRE—													
Claremont	37.16	52.03	41.40	43.53	4	77	4	62.33	26	*h* 21	26	26.00	5.2
Shelburne	------	------	------	------	----	------	----	------	----	------	----	------	6.7
Stratford	33.81	44.52	37.10	38.48	5	76	5	60.33	26	16	26	21.00	5.5
VERMONT—													
Brandon	37.48	49.82	41.32	42.87	5	80	4	*i* 66.16	27	19	26	24.33	5.9
Burlington	39.70	44.14	40.70	41.51	5	74	5	65.83	26	20	26	23.83	6.5
Craftsbury	34.94	44.26	38.26	39.15	5	75	5	64.00	26	16	26	20.00	6.2
Lunenburg	34.52	43.92	36.75	38.40	4	72	4	59.33	26	12	26	17.33	6.4
Rupert	41.22	50.77	44.71	45.57	5	78	5	70.00	26	18	26	27.33	5.4
St. Johnsbury	34.42	47.13	37.68	39.74	4	76	4	59.00	26	18	26	21.00	6.5
MASSACHUSETTS—													
Amherst	39.61	52.80	44.66	45.69	4	75	4	*i* 61.10	26	25	26	30.80	4.9
Bridgewater	42.00	51.57	46.25	46.61	4	69	4	61.67	26	27	26	32.42	4.7
Cambridge	42.16	52.55	45.10	46.60	4	77	4	65.33	26	25	26	30.67	4.3
Lawrence	40.58	52.87	43.87	45.77	4	73	4	63.33	22	27	26	31.33	5.1
Mendon	40.65	51.65	43.83	45.38	2	67	2	61.00	26	24	24	30.00	3.7
Nantucket	49.96	55.42	50.55	51.98	3	*j* 68	2	63.67	21	*h* 36	26	38.17	4.5
New Bedford	43.73	53.78	45.15	47.55	5	70	4	*i* 61.67	27	25	21	33.33	5.2
Westfield	38.71	52.72	43.55	45.00	4	80	5	60.33	26	26	26	30.33	5.3
Williamstown	38.24	49.39	41.95	43.19	5	75	5	61.06	26	20	26	27.20	6.0
Worcester	41.35	52.58	44.20	46.04	4	76	5	?	26	23½	26	29.83	4.6
RHODE ISLAND—													
Providence (*k*)	42.71	55.45	45.80	47.99	4	78	4	63.67	22	*l* 29	26	33.33	4.3
CONNECTICUT—													
Columbia	41.87	54.97	43.16	46.67	5	78	14	63.67	26	26	21	31.00	4.2
Middletown	40.98	56.83	44.57	47.46	5	81	5	64.20	26	26	26	32.67	3.7
Pomfret	40.13	50.23	42.32	44.23	5	72	5	62.10	26	23	26	29.10	4.7
Saybrook	45.68	53.48	47.16	48.77	1	69	2	64.00	21	*l* 30	21	*l* 35.00	4.3
Wallingford	40.71	56.20	44.27	47.06	5	80	5	62.50	30	25½	26	33.00	3.7
NEW YORK—													
Bellport	45.97	54.03	47.10	49.03	5	68	1	65.67	27	32	27	36.00	4.2
Beverly	43.13	53.92	45.00	47.35	4	71	4	?	26	26	26	31.67	4.8

a Observations taken at 7 a. m., 2 p. m., and 7 p. m.
b Same temperature on the 6th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 4th.
e Observations taken at 6 a. m., 2 p. m., and 10 p. m.
f Observations taken at 7 a. m., noon, and 6 p. m.
g Same temperature on the 26th and 27th.
h Same temperature on the 27th.
i Same temperature on the 5th.
j Same temperature on the 4th and 5th.
k Observations taken at sunrise, 2 p. m., and 10 p. m.
l Same temperature on the 26th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date	Mean temp	
NEW YORK—Continued.	°	°	°	°		°		°		°		°	
Buffalo (*a*)	45.38	49.82	47.25	47.48	5	68	4	65.33	26	29	26	31.67	5.3
Cazenovia	37.50	47.10	40.22	41.61	5	76	4	63.50	26	16	26	25.50	6.8
Charlotte (*b*)	41.80	50.64	49.38	46.88	5	76	4	68.75	26	27	26	32.00	7.2
Flatbush	44.80	55.68	47.16	49.21	14	75	14	63.60	27	29	26	33.67	4.7
Fort Niagara (*c*)	43.55	50.22	48.42	46.83	4	73	4	65.75	26	25	26	29.50	7.4
Nichols	39.26	53.68	42.06	45.00	4	82	4	64.33	26	21	26	28.00	6.0
Oswego	42.68	49.65	45.32	45.88	5	76	4	64.67	26	22	26	31.00	6.3
Penn Yan (*d*)	38.90	49.52	43.61	44.01	4	*e* 78	4	68.00	26	21	26	26.33	3.1
Rochester, [Dewey]	42.58	51.06	45.74	46.46	4	*e* 76	4	69.00	26	27	26	32.00	6.1
Sackett's Harbor (*f*)	41.95	49.03	48.01	45.91	5	75	5	69.88	26	23	26	30.37	5.4
Wampsville	39.52	49.68	41.58	43.58	5	77	5	65.33	26	18	26	26.00	6.8
Waterford	41.47	53.38	45.71	46.85	5	79	4	65.33	26	24	26	32.67	5.1
NEW JERSEY—													
Freehold	43.00	53.23	46.38	47.54	4	*e* 76	5	64.33	27	28	26	32.67	....
Lambertville	42.59	57.34	46.09	48.67	4	78	4	63.67	24	29	26	33.97	5.1
Newark (*g*)	.....	.....	.....	48.61	14	72	14	63.37	27	29	26	35.62	....
Woodstown	42.71	49.90	43.39	45.33	1	*h* 67	1	63.00	26	*i* 30	27	33.33	3.7
PENNSYLVANIA—													
Altoona	42.29	53.06	45.32	46.89	4	76	4	68.33	27	29	21	32.60	5.0
Bedford	40.35	51.52	43.77	45.21	12	71	1	61.00	24	29	28	33.67	4.9
Berwick	42.78	53.04	46.28	47.37	8	71	1	61.67	26	28	26	31.33	4.1
Cannonsburg	41.07	56.61	50.06	50.25	5	75	5	65.00	28	32	28	36.33	5.7
Carlisle (*j*)	47.82	59.05	52.87	53.25	5	73	....	?	....	?	....	?	3.6
Chambersburg	42.65	56.87	47.97	49.16	4	*e* 76	1	65.00	24	30	22	35.00	4.9
Easton (*k*)	43.94	55.43	44.16	47.84	5	79	5	62.83	26	27½	26	31.17	5.3
Fleming	40.48	55.58	42.38	46.15	4	*e* 78	5	63.00	27	26	21	*i* 33.00	4.5
Gettysburg	44.48	56.71	48.61	49.93	5	76	1	63.33	31	32	22	37.00	3.9
Harrisburg, [Heisely]	48.03	57.58	51.63	52.41	4	*e* 76	4	65.67	26	31	26	35.33	4.9
Harrisburg, [Hickok]	45.13	56.58	49.97	50.56	4	*e* 77	5	63.83	26	*i* 31	26	33.67	5.2
Lewisburg	41.12	53.80	44.92	46.61	4	76	4	60.90	26	26	26	28.93	6.1
Morrisville	42.10	56.35	45.26	47.90	5	78	14	64.00	22	26	26	31.67	3.2
Mount Joy	46.00	58.86	46.53	50.46	4	79	5	65.67	26	30	26	34.67	4.2
Nazareth	46.16	56.36	49.50	50.67	2	72	2	63.33	26	*l* 32	27	35.00	5.3
Norristown	43.75	55.92	47.61	49.09	4	*e* 73	8	62.80	27	30	26	33.33	4.8
North Whitehall (*m*)	40.58	56.13	49.71	48.81	4	82	5	65.33	27	28	26	33.00	5.1
Philadelphia	46.98	59.11	50.87	52.32	5	80	5	68.00	27	32	27	35.80	5.4
Pittsburg, [Marine Hospital]	43.67	53.51	47.51	48.23	4	72	5	62.33	26	32	27	36.33	6.0
Pocopson	44.74	57.90	47.29	49.98	5	80	1	64.67	27	*n* 30	26	35.33	4.3
Sewickleyville	40.52	53.30	42.81	45.54	4	*e* 72	4	59.67	27	28	28	32.67	5.4
Shamokin	38.13	53.45	46.03	45.87	4	*e* 78	1	59.33	25	22	26	28.67	4.9
Somerset	39.52	53.61	43.81	45.65	4	74	3	59.67	22	*o* 28	27	32.60	6.1
Tarentum	41.23	54.71	43.21	46.38	4	74	4	64.33	27	28	21	*i* 35.60	5.4
West Haverford	46.05	56.68	.....	51.36	5	76	5	70.00	27	27	27	31.50	5.0
Worthington	40.48	55.84	45.45	47.26	4	*e* 80	5	64.67	21	*p* 27	26	30.67	5.4
MARYLAND—													
Annapolis	46.50	58.60	54.00	53.03	4	76	1	68.83	28	32	27	39.16	4.2
Bladensburg (*q*)	47.95	55.63	47.81	50.46	4	76	....	?	30	34	....	?	5.2
Chestertown	47.06	55.46	48.20	50.24	5	76	....	?	26	*i* 32	....	.....	4.3
Frederick	45.25	55.95	47.85	49.68	5	73	1	64.33	28	32	27	37.00	4.6
Leitersburg	42.97	57.63	45.23	48.61	4	*e* 74	1	67.33	24	*r* 28	21	?	4.6
Sykesville	45.35	57.71	48.03	50.36	5	77	1	65.33	27	29	27	33.00	4.0
DISTRICT OF COLUMBIA—													
Washington	47.87	56.16	51.09	51.71	5	76	1	68.67	27	*s* 35	27	38.33	4.3

a Observations taken at 8 a. m., 2 p. m., and 9 p. m.
b Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 46.88.
c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 15.12.
d Observations taken at sunrise, 2 p. m., and sunset.
e Same temperature on the 5th.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 41.67.
g Daily maximum and minimum.
h Same temperature on the 18th.
i Same temperature on the 27th.
j For the first 21 days of the month only.
k Observations taken at 8 a. m., 2 p. m., and 10 p. m.
l Same temperature on the 27th and 28th.
m Observations taken at sunrise, noon, and sunset.
n Same temperature on the 28th.
o Same temperature on the 24th and 27th.
p Same temperature on the 26th.
q Incomplete.
r Same temperature on the 31st.
s Same temperature on the 28th and 29th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.				LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—	○	○	○	○		○		○		○		○	
Crichton's Store (*a*)	51.84	64.04	63.00	59.63	5	*b* 79	14	74.00	28	35	28	44.67	3.2
Cross Creek	38.41	58.36	43.41	46.73	1	80	1	64.67	21	24	21	31.00	....
Falmouth	50.48	62.97	51.65	55.03	4	86	4	73.33	22	34	22	40.00	....
Lewinsville	50.61	59.50	50.79	53.63	5	78	5	73.50	29	35	22	38.33	3.4
Lewisburg	40.74	58.00	46.32	48.35	1	69	1	61.67	31	20	31	29.67	3.7
Montross	42.29	52.68	44.61	46.53	10	67	10	60.00	14	22	14	29.33	3.5
Mont View	44.19	60.45	49.23	51.29	5	*b* 78	14	65.00	22	*c* 30	22	*d* 38.00	3.1
Poplar Grove	43.87	62.74	46.35	50.99	26	80	25	67.00	21	25	21	35.00	4.1
Portsmouth	48.98	65.18	50.21	54.79	5	79.5	5	65.83	21	*e* 33.5	21	42.83	2.2
Rose Hill	.....	.....	.....	.....	....	71	....	.....	....	51	....	.....	....
Rougemont	48.48	63.08	52.07	54.54	1	*f* 78	1	*g* 70.00	28	32	28	40.00	4.1
Smithfield	46.72	63.46	30.65	53.61	5	76	14	67.70	30	27	21	38.10	3.5
Westwood	46.94	63.77	53.41	54.70	1	79	1	*b* 69.33	28	30	....	?	....
Winchester	46.63	59.81	49.68	52.05	5	77	1	67.33	21	32	20	38.00	3.7
NORTH CAROLINA—													
Chapel Hill	49.29	67.13	54.45	56.96	5	*h* 80	1	68.67	22	*i* 33	21	*i* 41.67	3.1
Davidson College	46.01	62.29	51.81	53.37	5	75	....	?	30	29	30	37.33	2.1
Green Plains	46.87	64.55	47.39	52.94	1	*b* 78	1	68.00	30	28	21	35.33	....
Murfreesborough	49.03	65.21	54.89	56.38	5	*b* 78	2	?	22	32	?	?	2.3
SOUTH CAROLINA—													
Aiken	53.93	71.67	55.17	60.26	25	*j* 83	25	*k* 69.67	29	33	29	41.67	2.3
All Saints	57.22	68.93	59.20	61.78	1	79	8	*l* 72.33	30	40	29	45.67	....
Charleston	59.19	70.48	65.26	64.98	1	80	1	74.33	30	40	30	49.00	....
St. John's	53.78	70.23	58.20	80.74	1	80	1	72.00	31	29	30	41.00	2.9
GEORGIA—													
Atlanta	49.97	67.42	56.03	37.81	26	80	1	69.33	28	*m* 34	29	40.00	2.1
Augusta	55.97	78.45	60.00	64.81	1	90	1	75.67	31	35	31	49.17	2.0
Clarksville	44.52	67.97	53.74	55.41	25	*j* 80	1	*k* 66.67	30	*n* 25	31	38.33	2.1
Savannah	58.28	71.40	64.42	64.70	8	81	1	73.93	30	39	30	47.67	3.1
Sparta	49.35	70.84	56.19	58.79	1	*o* 80	1	*p* 70.00	31	28	30	39.67	2.9
Thomaston	56.48	70.69	65.74	64.30	1	82	1	76.67	30	*n* 37	30	47.00	2.4
Whitemarsh Island	60.07	68.89	63.73	64.23	8	*j* 80	17	74.00	30	*n* 41	30	48.33	3.2
FLORIDA—													
Alligator	61.23	76.26	64.74	67.41	15	*q* 88	17	78.67	30	44	28	49.67	3.0
Atsena	64.61	75.74	69.26	69.87	2	86	2	78.00	30	46	29	55.00	4.2
Belair	63.44	75.70	66.74	68.63	14	*r* 86	2	*s* 78.00	31	42	31	50.67	....
Gainesville (*t*)	62.17	75.00	67.90	68.36	2	*p* 83	1	*u* 77.00	30	45	30	54.00	5.3
Jacksonville	66.61	76.41	67.19	70.07	7	85	1	78.66	29	50	29	54.66	4.5
Micanopy	62.74	77.07	66.06	68.62	8	86	1	77.40	30	45	30	53.83	4.5
St. Augustine	72.90	76.68	71.97	73.85	8	84	1	81.33	28	56	28	59.33	4.8
Salt Ponds (*v*)	79.00	85.16	.....	82.08	16	*w* 88	16	*l* 85.00	30	70	30	73.50	5.3
Warrington	65.00	79.26	63.50	69.25	5	89	1	*x* 80.00	30	40	29	47.33	2.7
ALABAMA—													
Cahawba	53.87	.....	54.36	54.11	....	.....	....	.....	....	.....	....	.....	1.9
Carlowville	55.35	73.39	62.32	63.69	4	82	4	74.67	30	32	30	44.00	3.0
Greene Springs	53.65	69.77	57.21	60.21	6	*y* 79	....	?	31	31	....	?	1.9
Greensborough (*z*)	52.93	72.22	57.28	60.81	26	84	....	?	30	31	31	40.83	1.9
Orville	54.35	71.03	60.52	61.97	26	81	26	72.33	30	*n* 34	31	39.33	2.6
MISSISSIPPI—													
Columbus	50.30	69.32	56.71	58.78	5	*j* 80	14	71.77	30	29	30	38.89	2.3
Hernando	51.79	69.35	56.41	59.18	24	*j* 82	14	73.67	30	29	30	38.00	2.6
Natchez	55.87	70.19	62.84	62.97	17	82	17	78.00	30	32	30	42.67	3.5
Westville	57.00	74.13	60.80	63.98	3	87	7	77.67	30	32	30	?	?

a Observations taken at 8 a. m., noon, and 5 p. m.
b Same temperature on the 14th.
c Same temperature on the 28th, 29th, and 30th.
d Same temperature on the 28th and 31st.
e Same temperature on the 22d.
f Same temperature on the 5th and 13th.
g Same temperature on the 4th.
h Same temperature on the 25th.
i Same temperature on the 29th.
j Same temperature on the 26th.
k Same temperature on the 1st.
l Same temperature on the 18th.
m Same temperature on the 29th and 30th.
n Same temperature on the 31st.
o Same temperature on the 6th, 7th, 13th, 14th, 25th, and 23th.
p Same temperature on the 13th.
q Same temperature on the 17th.
r Same temperature on the 2d, 3d, and 4th.
s Same temperature on the 3d and 4th.
t Observations taken at 6 a. m., 2 p. m., and 9 p. m.
u Same temperature on the 2d.
v Thermometer $2\frac{1}{4}$ to $2\frac{3}{4}$ degrees too high.
w Same temperature on the 17th and 18th.
x Same temperature on the 5th.
y Same temperature on the 24th.
z Incomplete.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	°	°	°	°		°		°		°		°	
LOUISIANA—													
New Orleans	65.32	74.74	68.65	69.57	17	87	17	81.33	30	44	30	50.00	....
TEXAS—													
Austin, [Palm]	56.93	72.64	60.55	63.37	17	85	16	76.00	28	39	28	44.67	3.5
Austin, [Van Nostrand]	58.00	75.03	62.48	65.17	17	87	17	76.67	31	40	28	47.67	3.5
Bonham	54.51	74.68	59.84	63.01	25	*a* 86	14	74.00	29	32	29	41.00	2.9
Dallas	60.00	73.71	68.87	67.53	17	87	16	81.00	31	46	27	*b* 52.67	1.6
Gilmer (*c*)	49.65	78.23	.....	63.94	24	*a* 92	17	81.00	28	32	30	45.50	2.0
Larissa	57.69	74.52	64.40	65.54	17	87	16	77.00	28	36½	....	?	2.5
New Braunfels	60.84	77.55	67.39	68.59	8	*d* 87	17	81.33	28	44	27	52.00	1.1
Roundtop	58.00	80.00	67.00	68.33	....	93	....	.....	....	39	....	.....	....
Sisterdale	55.40	75.35	58.42	63.06	17	89	17	77.26	31	36	28	45.33	3.6
Union Hill	59.26	76.16	66.81	67.41	17	90	17	78.67	30	42	28	48.67	4.1
Washington	58.97	77.40	59.55	65.31	17	90	17	80.00	29	*e* 38	30	46.00	3.3
Webberville	59.65	75.58	64.10	66.44	7	*d* 88	16	*f* 78.67	28	41	28	48.33	2.7
ARKANSAS—													
Spring Hill (*g*)	53.80	71.21	.....	62.50	17	87	17	81.50	28	*h* 32	28	*h* 42.00	....
Washington (*i*)	50.90	71.77	.....	61.34	14	*d* 84	17	79.00	30	32	28	*j* 43.00	....
TENNESSEE—													
Glenwood	46.56	64.72	51.81	54.36	26	84	25	69.17	30	24	29	36.33	3.4
Memphis	50.29	66.16	55.90	57.45	26	79	26	68.33	29	25	30	37.00	1.9
Pomona	45.55	69.55	50.66	55.25	3	82	26	67.33	31	25	29	35.33	....
KENTUCKY—													
Bardstown	44.90	62.15	49.94	52.33	5	*a* 75	17	65.67	29	26	29	31.67	3.3
Danville	49.32	66.41	53.67	56.47	3	*k* 78	17	68.00	21	*l* 32	29	39.67	2.3
Lexington	45.06	59.45	50.13	51.55	3	*k* 73	5	63.33	28	*h* 29	29	36.33	3.7
Paris	43.33	58.55	48.74	50.21	3	72	14	66.33	28	26	29	36.00	3.8
Springdale (*m*)	42.19	63.39	56.21	53.93	4	79	17	67.67	29	21	28	35.00	3.9
OHIO—													
Avon	44.32	52.66	44.54	47.17	4	78	4	68.33	22	*n* 34	31	36.77	4.9
Bellefontaine	42.81	55.52	43.98	47.44	4	76	4	65.33	20	25	30	32.50	5.2
Bowling Green	41.27	56.73	45.85	47.95	4	76	13	66.60	21	27	27	34.80	4.9
Brecksville	44.06	56.16	46.84	49.02	3	*o* 70	13	61.00	8	*k* 30	20	35.00	4.8
Cincinnati, [Harper]	45.45	60.90	50.10	52.15	3	*p* 78	4	*q* 66.00	21	26	21	*r* 37.33	3.9
Cincinnati, [Phillips]	46.87	62.23	54.00	54.37	3	*k* 80	3	68.67	21	32	28	40.00	3.3
Cleveland	45.34	54.60	49.25	49.73	4	80	4	70.17	22	*r* 34	31	36.17	6.4
College Hill (*s*)	45.03	58.77	47.55	50.45	4	*t* 72	4	*u* 63.33	21	28	27	36.67	3.5
Collingwood	44.32	56.64	46.20	49.05	3	*v* 80	4	70.33	20	*w* 28	27	34.67	....
Elk Run	40.51	54.54	45.19	46.75	4	80	17	67.00	27	28	27	33.33	5.8
Freedom	40.39	52.52	44.77	45.89	4	*p* 72	4	63.33	27	*e* 28	21	32.33	5.3
Hillsborough	42.80	55.70	49.00	49.17	3	*p* 71	4	63.00	28	27	28	35.00	3.6
Hudson	43.55	52.1	46.52	47.39	5	71	4	64.07	27	31	27	34.70	6.0
Iberia	41.90	55.46	45.29	47.65	3	*v* 78	4	64.67	10	*x* 29	27	33.67	4.8
Jackson, [Monroe county]	41.19	54.29	45.33	46.94	3	72½	?	?	28	27	?	?	4.0
Kelley's Island	46.84	53.22	49.58	49.88	4	71	4	65.33	27	32	27	36.67	5.0
Madison, [Atkins]	44.82	53.86	46.86	48.51	3	*v* 73	4	66.33	19	32	21	35.67	5.9
Madison, [King]	43.90	53.35	44.61	47.29	4	78	4	70.67	27	28	26	32.67	6.2
Mount Union (*y*)	47.44	57.00	46.74	50.39	4	*p* 78	4	65.67	10	*z* 33	?	?	3.7
Montville	42.50	52.45	45.02	46.46	13	88	4	63.67	27	31	30	34.17	5.6
New Lisbon	40.42	55.87	44.58	46.96	2	*p* 74	17	61.67	24	*r* 28	21	32.67	4.9
Portsmouth	45.16	63.45	49.19	52.60	3	79	3	*p* 63.00	21	*b* 28	28	39.33	3.1
Ripley	50.32	.....	56.54	53.43	1	*aa* 68	14	63.50	28	34	28	*h* 39.00	....
Rockport	46.19	56.23	50.06	50.83	4	80	4	70.00	10	30	31	37.00	....

a Same temperature on the 26th.
b Same temperature on the 28th.
c Observations taken at sunrise and 2 p. m.
d Same temperature on the 17th.
e Same temperature on the 30th and 31st.
f Same temperature on the 18th.
g Observations taken at 7 a. m. and 3 p. m.
h Same temperature on the 29th.
i Observations taken at sunrise and 3 p. m.
j Same temperature on the 30th.
k Same temperature on the 4th and 5th.
l Same temperature on the 28th and 29th.
m Observations taken at 7 a. m., 2 p. m., and 5 p. m.
n Same temperature on the 31st.
o Same temperature on the 12th, 23d, 28th, and 31st.
p Same temperature on the 5th.
q Same temperature on the 13th.
r Same temperature on the 27th.
s Observations taken at 9 a. m., 2 p. m., and 9 p. m.
t Same temperature on the 25th.
u Same temperature on the 5th and 13th.
v Same temperature on the 4th.
w Same temperature on the 21st and 27th.
x Same temperature on the 21st.
y Incomplete.
z Same temperature on the 21st and 22d.
aa Same temperature on the 2d and 17th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Savannah	40.16	56.00	44.71	46.96	3	80	4	65.67	21	*a* 27	21	32.33	5.6
Troy	39.48	56.74	46.45	47.56	3	77	13	*b*62.33	21	22	21	34.67	3.9
Urbana (*c*)	39.13	59.29	45.06	47.83	3	80	17	65.00	21	22	29	33.00	4.5
Welchfield	40.87	52.61	42.52	45.33	4	76	4	64.67	27	*d* 26	26	31.67	5.0
Westerville	42.17	56.68	46.81	48.55	3	*e*76	4	64.33	28	27	29	?	4.5
Windham	40.87	53.06	46.06	46.66	5	77	5	66.33	10	*f* 29	27	34.67	----
MICHIGAN—													
Battle Creek	42.10	53.71	43.20	46.34	4	78	4	68.00	21	*g* 28	27	33.33	4.1
Detroit	44.61	54.23	43.06	47.30	4	*h* 78	4	67.67	27	28	27	32.00	5.6
Grand Haven	44.03	50.45	46 45	46.98	4	70	4	65.67	27	28	27	33.67	5.9
Grand Rapids	39.06	52.77	41.87	44.57	4	82	4	69.33	27	23	28	32.33	5.2
Marquette	38.68	46.09	38.42	41.06	3	85	3	68.76	25	27	30	31.50	6.4
Monroe, [Bowlsby]	43.74	54.45	47.42	48.54	4	78	4	70.33	9	*f* 29	27	31.33	4.1
Monroe, [Whelpley]	------	------	------	------	------	------	------	------	------	------	------	------	5.4
Monroe Piers (*i*)	42.77	52.37	50.17	47.69	3	74	4	65.75	27	28	27	33.25	5.4
New Buffalo (*j*)	42.20	53.71	44.45	46.79	4	76	4	66.67	31	24	31	33.00	5.9
Ontonagon (*k*)	42.14	46.39	------	44 26	3	72	3	70.50	25	29	26	31.50	6.7
Ottawa Point (*l*)	41.35	48.96	47.06	45.00	3	72	4	65.00	27	26	26	31.25	6.5
Thunder Bay Island (*m*)	40.52	45.35	43.27	43.13	3	71	3	61.12	20	*f* 29	26	32.50	6.6
Ypsilanti	39.21	51.80	42.15	44.39	4	78	4	64.67	21	*n* 27	27	31.33	5.3
INDIANA—													
Aurora (*o*)	43.84	64.52	53.23	53.86	13	92	13	72.67	31	22	31	37.33	----
Cannelton	48.17	63.06	49.21	53.48	3	76	17	66.90	29	31	29	34.07	3.9
Logansport	44.45	60.10	48.03	50.86	4	80	4	71.33	21	28	31	36.00	4.8
Michigan City (*p*)	44.29	49.19	49.48	47.44	12	68	13	60.75	21	32	21	*q* 37.00	2.3
Mishawaka	40.22	55.39	42.90	46.17	3	76	4	66.00	21	29	20	34.33	4.4
New Albany	44.81	63.44	50.53	52.93	5	78	17	67.33	21	*a* 29	29	37.33	3.8
New Harmony	45.70	62.20	50.70	52.87	4	75	13	66.33	30	27	31	35.00	3.3
Richmond, [Haines] (*r*)	45.58	60.65	50.90	52.38	3	*s*75	3	69.67	21	24	28	35.33	5.4
ILLINOIS—													
Augusta	42.54	59.70	47.51	49.92	3	79	3	66.33	31	20	28	32.00	2.9
Aurora	40.25	56.39	43.10	46.58	3	79	3	63.33	31	25	31	32.00	3.7
Batavia, [Mead]	40.12	59.35	44.16	47.88	3	84	3	67.00	31	22	28	*d* 32.33	4.4
Edgington	42.77	60.58	47.48	50 28	3	83	3	66.67	31	22	28	33.33	3.7
Elgin	38.52	56.45	43.00	45.99	3	82	4	65.67	31	20	31	29.67	4.6
Galena	------	------	------	------	------	------	------	------	------	------	------	------	3.5
Manchester (*j*)	45.16	65.22	47.58	52.65	3	*b*81	13	65.00	31	22	31	35.00	3.7
Marengo	42.21	55.11	43.26	46.86	3	79	4	68.33	28	*d* 23	18	*d* 30.00	3.5
Napierville	42.28	56.24	44.00	47.51	3	78	3	66.67 ?	18	28	31	33.33	4.0
Ottawa	39.04	57.23	46.10	47.46	3	79	3	65.67	31	21	31	31.33	4.7
Pekin	43.19	59.10	49.16	50.48	12	79	3	64.33	31	24	31	33.00	3.7
Peoria	44.02	59.85	50.35	51.41	2	79	3	67.33	31	25	31	33.00	3.3
Riley	42.06	57.45	41.10	46.87	3	83	4	68.00	31	15	31	28 00	3.4
Sandwich	40.42	59.03	46.33	48.59	3	82	3	68.00	31	22	31	31.33	3.6
West Salem	46.26	64.94	52.16	54.45	4	80	13	*t* 66.33	30	27	29	36.67	3.0
West Urbana	43.77	60.19	46.81	50.26	17	*u*77	3	*v*64.33	28	25	28	31.00	4.2
Wheaton	40.52	55.73	43.85	46.90	3	79	3	65.33	31	27	31	29.67	5.2
Winnebago	39.29	56.82	43.29	46.47	3	84	3	68.67	31	22	28	*d* 31.00	3.8
Woodstock	41.45	60.03	47.04	49.51	3	82	3	68.33	28	20	?	?	5.1
MISSOURI—													
Cassville	55.87	65.94	60.42	60.74	25	79	25	71.67	30	32	30	35.67	3.1
Paris	43.48	60.90	49.94	51.44	3	80	3	66.00	30	*d* 22	28	32.00	2.8

a Same temperature on the 28th.
b Same temperature on the 17th.
c The records of thermometer at this place are 0°.85 too high.
d Same temperature on the 31st.
e Same temperature on the 4th and 5th.
f Same temperature on the 27th.
g Same temperature on the 29th.
h Same temperature on the 5th.
i Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 45.45.
j Observations taken at 7 a. m., 1 p. m., and 9 p. m.
k Observations taken at 9 a. m. and 3 p. m.
l Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 12.61.
m Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 43.40.
n Same temperature on the 27th and 30th.
o Observations taken at 6 a. m., 2 p. m., and 9 p. m.
p Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 46.80.
q Same temperature on the 24th and 31st.
r Observations taken at 7 a. m., noon, and 9 p. m.
s Same temperature on the 4th and 12th.
t Same temperature on the 17th and 25th.
u Same temperature on the 24th.
v Same temperature on the 4th and 13th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
	○	○	○	○		○		○		○		○	
MISSOURI—Continued.													
St. Louis, [Engelmann]	47.43	63.68	52.03	54.39	4	80	4	66.67	31	27	29	35.17	2.8
St. Louis, [Fendler]	44.07	63.93	48.58	52.19	24	81	4	65.33	31	19	31	31.80	....
Stockton	52.93	65.25	53.86	57.35	13	*a* 80	?	?	29	26	29	31.32	3.0
Warrenton	44.18	61.79	46.97	50.98	7	*b* 76	?	?	31	20	31	30.00	2.6
WISCONSIN—													
Appleton	39.77	52.03	42.90	44.90	3	82	3	66.67	27	24	27	30.33	4.0
Bay City	32.39	41.06	33.74	35.73	3	72	3	57.33	21	18	20	26.67	....
Beloit	38.42	55.58	42.58	45.53	3	82	3	66.67	31	18	31	28.33	3.5
Delafield	43.07	56.96	45.61	48.55	15	78	....	?	31	26	31	35.00	5.3
Green Bay	40.55	54.29	43.90	46.25	3	84	4	66.67	20	26	22	29.33	7.1
Janesville (*c*)	32.29	53.12	39.87	41.76	12	72	....	?	31	19	31	30.33	3.7
Kenosha	43.40	55.82	46.11	48.44	3	81	4	67.67	27	29	27	34.67	3.6
Manitowoc	40.61	52.71	44.94	46.09	3	83	3	67.67	27	*d* 28	27	34.67	5.7
Milwaukee, [Lapham]	44.26	54.07	47.79	48.71	3	79	3	68.00	28	30	27	35.33	....
Milwaukee, [Larkin]	41.67	.....	41.54	41.60	12	63	....	?	28	30	28	*e* 30.00	6.0
Milwaukee, [Winkler]	43.08	55.44	44.35	47.62	3	83	4	69.67	28	28	27	33.67	4.0
Pardeeville	37.81	55.55	46.41	46.59	3	83	3	70.33	20	24	....	?	5.8
Platteville	41.09	57.39	45.33	47.94	3	82	4	70.00	31	21	31	31.33	3.8
Rocky Run	40.23	57.03	44.97	47.41	4	86	4	72.33	27	*e* 26	27	32.33	4.6
Superior, [Mann]	34.11	40.94	36.18	37.08	....	.....	....	.....	....	.....	....	.....	7.6
Superior City, [Stuntz] (*f*)	35.29	46.64	44.16	41.34	3	81	3	66.75	31	20	31	29.75	5.0
Wausau	37.45	51.77	42.23	43.82	3	85	4	67.00	20	22	27	*g* 30.67	5.8
IOWA—													
Bellevue	38.90	62.13	44.00	48.34	3	88	3	71.33	31	14	31	30.33	4.2
Burlington	45.71	60.55	46.74	51.00	3	82	3	69.33	31	26	31	33.00	4.2
Dubuque	41.74	56.74	47.29	48.59	3	84	4	70.33	31	21	31	34.33	3.8
Fairfield	44.39	59.52	46.79	50.23	3	81	3	67.33	31	27	28	31.33	4.1
Fayette Village	35.81	55.78	41.26	44.28	4	80	4	64.00	31	11	30	*e* 29.33	3.7
Forestville	39.87	57.00	44.00	50.29	3	83	3	65.67	31	18	30	30.33	2.6
Fort Madison (*h*)	42.22	57.83	48.45	49.50	3	78	3	66.00	31	21	28	*e* 32.67	3.2
Muscatine	39.77	59.32	43.39	47.49	3	82	3	68.00	31	14	31	29.33	2.4
Pleasant Plain	41.94	59.06	45.48	48.83	3	80	3	68.00	31	14	28	31.00	3.4
Rossville	37.80	55.60	42.43	45.28	3	85	3	69.20	31	12	31	30.77	3.8
MINNESOTA—													
Beaver Bay, [Clark]	35.79	44.89	38.06	39.58	3	79	3	63.67	20	22	30	30.33	5.1
Beaver Bay, [Wieland]	34.19	45.61	35.45	38.42	3	82	3	65.67	20	13	29	28.00	5.1
Burlington	33.35	47.64	37.52	39.50	3	82	3	63.67	20	21	27	29.67	5.5
Chatfield	38.39	55.87	43.06	45.77	3	86	3	68.67	31	16	30	30.33	3.8
Forest City	36.03	53.61	39.81	43.15	3	80	3	62.00	18	18	27	30.67	2.0
Hazlewood (*c*)	37.00	49.00	40.17	42.06	15	72	..	?	18	24	28	30.33	4.5
Princeton	36.67	52.19	41.87	43.58	3	80	3	63.33	31	21	28	31.00	4.9
NEBRASKA—													
Bellevue	42.20	62.40	47.03	50.54	4	82	3	65.67	20	23	28	31.00	2.3
Brownville	44.71	69.35	50.26	54.77	2	91	3	75.33	30	17	30	31.33	2.8
Elkhorn	40.19	62.26	47.19	49.88	3	88	3	69.00	28	*i* 20	28	27.67	2.8
Nebraska City	44.94	61.32	48.32	51.53	3	84	3	69.00	28	23	28	30.10	2.5
Omaha, [Rain]	42.96	62.33	48.77	51.35	3	88	3	71.33	30	16	28	30.33	3.7
KANSAS—													
Burlingame	44.93	65.87	50.35	53.72	25	86	25	70.67	29	22	29	32.00	1.8
Denver City	37.42	67.68	41.80	48.97	6	*j* 78	6	60.33	28	*g* 17	28	28.67	1.8
Lecompton	50.32	69.74	53.90	57.99	22	*k* 86	3	70.33	26	*g* 32	27	40.00	1.9
Manhattan (*c*)	41.48	70.96	52.52	54.99	2	*l* 84	2	67.33	18	28	18	43.67	4.0
Neosho Falls	45.68	66.68	51.48	54.61	3	82	13	66.00	29	20	29	32.67	2.2
Wyandott City	44.65	64.10	57.13	55.29	3	82	24	72.67	28	28	28	35.33	4.6
UTAH—													
Great Salt Lake City	48.00	66.00	56.00	56.67	....	76	....	.....	....	39	....	.....	....

a Same temperature on the 22d and 25th.
b Same temperature on the 24th.
c Incomplete.
d Same temperature on the 28th.
e Same temperature on the 31st.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 39.29.
g Same temperature on the 29th.
h Observations taken at 6 a. m., noon, and 7 p. m.
i Same temperature on the 30th.
j Same temperature on the 15th.
k Same temperature on the 23d.
l Same temperature on the 6th.

No. 23.—THERMOMETER AND FACE OF SKY, OCTOBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	○	○	○	○		○		○		○		○	
CALIFORNIA—													
Auburn	----	----	----	81.65	----	----	----	----	----	----	----	----	1.1
Monterey	55.51	68.11	55.69	59.77	1	95	1	75.49	31	49	16	54.50	----
Sacramento	56.19	70.22	63.61	63.34	2	83	2	73.00	6	49	17	56.67	1.3
San Francisco	55.22	68.00	57.55	60.26	2	92	1	76.33	16	*a* 51	5	*b* 54.33	2.4
Santa Clara	51.66	74.84	58.51	61.67	2	95	1	75.00	16	41	16	53.33	2.3
Union Ranche	52.51	81.61	63.03	65.72	3	93	2	75.00	17	44	16	*a* 57.33	0.8
MEXICO—													
Cordova (*c*)	69.82	72.05	70.03	70.91	17	76.6	----	----	31	63	----	----	----
Mirador (*d*)	66.43	72.82	66.52	68.59	----	----	----	----	31	59	----	----	----
WEST INDIES													
St. George's, Bermuda (*e*)	----	----	----	72.4	----	81.5	----	----	----	64	----	----	----
Turk's Island	80.58	83.77	81.26	81.87	7	*f* 86	10	*g* 83.33	22	*h* 77	22	77.33	----
CENTRAL AMERICA—													
Guatemala (*i*)	----	----	----	66.04	25	*j* 77	----	----	30	53.8	----	----	----
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*k*)	74.95	88.19	79.97	81.04	18	92	20	83.00	30	72	29	77.67	4.1

a Same temperature on the 17th.
b Same temperature on the 10th.
c Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean at 12 m., 71.56; mean at 6 p. m., 71.10.
d Observations taken at 7 a. m., 2 p. m., and 8 p. m.
e Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
f Same temperature on the 9th, 10th, 11th and 12th.
g Same temperature on the 11th and 12th.
h Same temperature on the 23d.
i Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
j Same temperature on the 21st.
k Observations taken at 6 a. m., 2 p. m., and 6 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
	○	○	○	○		○		○		○		○	
BRITISH AMERICA—													
Fort Rae (*a*)	—7.87	—1.53	—4.67	—4.68	1	30	1	26.33	30	—37	30	32.33	3.6
Fort Simpson	—5.33	0.53	—3.37	—2.72	3	*b* 20	3	16.33	30	—35	30	—29.00	3.9
Hamilton (*c*)	39.54	------	41.60	40.57	4	64	4	58.50	13	*d* 30	14	*e* 31.00	----
Montreal	30.58	35.69	33.24	33.17	9	56	9	50.10	29	13	29	16.43	7.9
Red River Settlement	13.87	21.57	15.44	16.96	2	34	7	32.00	31	—21	31	—14.33	5.7
St. John's	33.20	35.07	32.83	33.70	20	56	20	51.33	31	17	31	22.33	5.1
St. Martin (*f*)	25.89	38.25	28.07	30.74	18	54	18	45.67	25	7	29	13.97	----
Stanbridge	31.37	37.80	32.93	34.03	19	61	9	52.33	29	10	29	17.00	7.6
Toronto (*f*)	36.43	42.17	38.63	39.08	5	61	4	51.15	24	24	24	27.37	8.1
Windsor	32.13	40.28	34.72	35.71	18	62.5	19	53.80	31	11	29	18.30	7.2
Wolfville	33.45	41.19	33.81	36.15	18	63	18	55.67	29	14	29	21.67	8.0
MAINE—													
Bangor	32.30	41.60	32.22	35.37	18	60	----	?	29	14	29	20.00	5.5
Belfast (*g*)	32.67	39.48	34.89	35.65	9	58	19	54.00	29	14	29	15.33	6.9
Cornish, [West]	30.10	40.50	32.80	34.47	9	62	19	54.00	25	14	29	20.00	5.0
Cornishville	33.63	41.90	35.53	37.02	9	64	9	55.33	25	16	25	23.33	5.7
Dexter	------	------	------	------	------	------	------	------	------	------	------	------	6.8
Gardiner	31.35	40.52	33.63	35.17	19	57	19	54.33	7	19	29	21.67	6.7
Lisbon	31.48	43.13	34.80	36.47	9	64	19	56.33	28	17	29	23.67	6.1
Perry	32.57	38.17	33.77	34.84	18	60	19	51.33	29	14	29	19.33	6.3
Portland	34.55	41.52	36.65	37.57	9	58	19	51.16	25	24	21	28.16	6.3
Steuben	33.97	40.43	35.03	36.48	9	60	19	52.33	7	20	21	25.00	7.1
Topsham	31.20	------	31.70	31.45	13	46	13	42.00	29	17	29	17.50	6.3
Vassalborough	34.04	39.96	35.23	36.41	18	65	18	52.33	29	18	29	21.33	5.9
NEW HAMPSHIRE—													
Claremont	34.10	47.23	37.63	39.65	19	66	19	60.67	7	*h* 20	25	25.67	5.8
Shelburne (*i*)	------	------	------	------	------	------	------	------	------	------	------	------	6.4
Stratford	29.73	38.43	31.40	33.19	9	*j* 58	19	56.67	29	11	29	17.67	7.1
VERMONT—													
Brandon	33.86	42.65	36.74	37.75	5	66	19	58.67	29	18	29	25.50	6.6
Burlington	33.02	38.60	35.80	35.81	19	60	19	55.33	29	12	29	20.67	7.2
Craftsbury	29.47	37.97	33.17	33.54	5	61	19	55.09	29	9	29	18.00	6.9
Lunenburg	28.68	38.65	33.19	33.51	9	*k* 58	?	?	29	10	29	17.67	6.5
Rupert	35.60	45.00	40.27	40.29	5	66	18	59.33	29	26	29	29.33	5.7
St. Johnsbury	29.43	40.50	32.21	34.05	5	62	19	54.33	29	10	29	17.67	6.8
MASSACHUSETTS—													
Amherst	37.03	47.67	39.64	41.45	13	66	5	56.33	7	25	25	30.50	5.4
Bridgewater	37.17	48.93	41.92	42.67	5	69	13	60.92	15	25	24	31.92	5.6
Cambridge	37.07	48.31	41.29	42.22	5	69	5	59.67	21	27	21	31.67	5.2
Lawrence	35.20	46.58	39.58	40.45	9	68	13	59.67	16	23	25	30.67	5.5
Mendon	36.10	49.03	38.43	41.19	5	70	20	61.00	26	22	26	28.00	4.4
Nantucket	44.58	50.32	44.27	46.39	10	66	10	58.00	24	*l* 36	24	*b* 37 00	4.0
New Bedford	39.08	49.18	40.77	43.01	5	62	10	56.33	21	26	24	31.70	5.2
Richmond	31.90	44.20	36.30	37.47	5	*m* 64	9	52.00	24	23	24	26.67	6.3
Westfield	34.33	47.07	37.40	39.60	5	70	19	59.00	21	24	25	28.67	5.7
Williamstown	35.38	43.88	37.24	38.83	5	69	19	58.46	16	21	25	26.67	6.7
Worcester	37.40	48.14	38.64	41.39	5	68	19	59.17	21	25	?	?	4.4
RHODE ISLAND—													
Providence (*n*)	39.10	50.20	40.70	43.33	5	70	19	57.67	25	29	24	32.67	4.7
CONNECTICUT—													
Columbia	35.97	48.27	35.70	39.98	5	*o* 68	5	61.33	14	*p* 24	24	28.00	4.2
Middletown	36.04	57.08	39.18	44.10	5	71	19	60.30	16	*q* 25	25	32.03	3.5
Pomfret	36.38	45.83	37.98	40.06	5	65	19	57.33	21	23	25	28.83	5.1
Saybrook	39.31	48.07	42.21	43.20	10	60	19	56.00	25	26	25	33.67	5.2
Wallingford	35.30	49.60	39.02	41.31	5	69	19	58.17	15	22½	24	31.00	3.6

a Observations taken at 7 a. m., 2 p. m., and 7 p. m.
b Same temperature on the 25th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 14th, 20th, and 25th.
e Same temperature on the 20th.
f Observations taken at 6 a. m., 2 p. m., and 10 p. m.
g Observations taken at 7 a. m., noon, and 6 p. m.
h Same temperature on the 29th
Incomplete.
j Same temperature on the 10th, 13th, and 19th.
k Same temperature on the 12th.
l Same temperature on the 25th and 29th.
m Same temperature on the 9th and 16th.
n Observations taken at sunrise, 2 p. m., and 10 p. m.
o Same temperature on the 9th.
p Same temperature on the 21st, 24th, and 25th.
q Same temperature on the 21st.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
NEW YORK—	°	°	°	°		°		°		°		°	
Bellport	42.17	48.40	42.53	44.37	10	*a* 58	18	56.00	15	*b* 30	24	34.00	4.5
Beverly	37.60	48.06	40.00	41.89	5	64	- -	?	16	*c* 25	----	?	4.8
Buffalo (*d*)	41.17	44.82	43.33	43.11	8	59	4	57.00	13	28	----	?	6.5
Charlotte (*e*)	37.80	44.60	43.03	41.43	4	67	5	60.00	25	27	24	28.25	8.0
Flatbush	39.50	49.92	42.49	43.97	5	66	19	56.93	15	*c* 27	25	32.90	4.5
Fort Niagara (*f*)	37.60	42.33	41.36	40.04	4	65	4	60.00	25	25	25	*b* 29.00	7.6
Nichols	34.97	47.30	37.50	39.92	9	66	19	56.00	16	18	24	27.33	6.3
Oswego	38.40	46.17	41.00	41.86	4	70	4	*g* 57.33	25	25	25	30.00	7.4
Penn Yan (*h*)	34.23	44.77	40.40	39.80	4	67	5	59.67	24	*i* 24	24	25.33	2.8
Rochester, [Dewey]	38.33	44.97	40.37	41.22	4	68	4	59.00	14	27	24	28.00	7.6
Sackett's Harbor (*j*)	37.27	42.25	41.10	39.82	4	60.5	5	56.50	25	23	21	26.62	7.5
Wampsville	36.33	44.37	38.57	39.76	9	65	5	56.00	21	*c* 25	20	27.33	7.0
Waterford	36.60	46.63	40.30	41.18	19	67	19	59.67	7	*k* 25	25	28.33	5.8
NEW JERSEY—													
Freehold	41.47	51.32	44.50	45.76	5	70	5	59.00	25	29	14	32.33	----
Lambertville	38.21	50.77	41.91	43.63	5	71	19	59.73	16	25	14	32.67	5.3
Newark (*l*)	-------	-------	-------	44.27	5	66	19	59.50	15	22	25	32.63	----
Woodstown	42.97	57.27	43.27	47.84	9	76	19	59.33	14	28	14	55.33	3.3
PENNSYLVANIA—													
Altoona	36.90	49.30	41.20	42.47	5	69	5	63.00	14	22	14	27.33	4.0
Bedford	36.13	48.33	42.90	42.52	5	64	5	56.00	14	*k* 22	15	27.00	3.7
Berwick	39.03	49.30	41.30	43.21	10	64	10	58.33	16	28	14	30.67	3.5
Cannonsburg	38.80	50.93	45.60	45.11	4	68	5	59.33	14	16	13	25.67	4.2
Chambersburg	37.23	51.03	42.30	43.52	5	70	10	58.33	14	24	14	32.33	4.6
Easton (*m*)	38.37	50.37	38.93	42.56	5	69	19	57.67	13	25	14	30.50	4.9
Fleming	33.40	49.56	38.10	40.35	5	70	5	*n* 56.33	16	18	14	27.00	4.2
Gettysburg	36.50	50.58	40.07	42.38	5	72	10	58.33	15	18	14	29.00	3.7
Harrisburg, [Heisely]	41.77	51.71	45.63	46.37	5	*n* 64	10	*g* 58.67	15	28	25	35.67	3.9
Harrisburg, [Hickok]	39.47	51.24	42.85	44.52	5	70	19	59.00	15	*k* 27	14	31.00	4.6
Lewisburg	36.68	47.69	39.24	41.20	5	69	5	55.33	17	19	15	27.83	6.0
Morrisville	36.97	50.27	40.57	42.60	5	64	19	57.67	14	*o* 24	24	31.00	3.4
Mount Joy	38.75	53.70	43.60	45 35	5	71	18	61.17	15	24	25	34.17	----
Nazareth (*p*)	40.09	50.78	44.48	45.12	5	70	5	59.33	15	27	----	?	6.0
Norristown	39.15	51.21	43.56	44.64	19	62	19	60.00	15	25	14	31.80	3.5
North Whitehall (*q*)	36.60	48.63	42.60	42.61	5	*g* 65	19	60.67	16	21	14	*o* 30.67	4.6
Philadelphia	42.63	53.35	46.48	47.49	5	68	19	61.00	14	30	14	33.67	5.1
Pittsburg, [Marine Hosp.]	36.10	48.60	41.23	41.98	4	63	18	51.00	14	21	14	27.67	6.5
Pocopson	38.55	52.86	42.52	44.64	5	68	19	58.33	15	24	14	31.50	3.7
Sewickleyville	32.73	47.83	37.90	39.49	4	68	5	59.33	14	17	14	?	4.8
Shamokin	35.80	49.13	40.87	41.93	5	68	10	59.33	16	18	14	28.00	5.8
Somerset	36.00	49.40	41.00	42.13	4	69	5	59.33	14	15	13	24.00	5.3
Tarentum	33.43	50.03	39.73	41.06	4	*r* 69	5	56.67	29	20	14	27.00	4.7
West Haverford	40.67	51.07	-------	45.87	5	66	19	61.00	14	*c* 26	14	29.50	3.8
Worthington	34.67	50.83	40.40	41.97	4	73	18	55.00	14	19	13	28.00	4.9
MARYLAND—													
Annapolis	41.68	53.15	48.25	47.69	26	65	19	58.33	14	24	14	33 50	3.6
Bladensburg	41.52	54.48	45.07	47.02	26	67	?	?	1	*s* 27	----	?	3.7
Chestertown	41.63	52.79	55.12	46.51	26	65	19	58.83	25	26	14	32.17	3.5
Frederick	40.64	51.11	43.03	44.93	5	65	10	57.83	14	*o* 27	14	33.17	3.8
Leitersburg	35.77	51.13	40.03	42.31	5	69	10	58.00	15	*t* 18	14	28.33	3.8
Sykesville	40.20	53.27	43.97	45.81	5	70	10	59.67	15	*c* 21	14	32.33	3.8
DISTRICT OF COLUMBIA—													
Washington	43.30	53.77	47.27	48.11	26	67	10	60.00	13	*u* 28	14	34.67	3.4

a Same temperature on the 18th.
b Same temperature on the 21st.
c Same temperature on the 25th.
d Observations taken at 8 a. m., 2 p. m., and 9 p. m.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 40.30.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 38.86.
g Same temperature on the 19th.
h Observations taken at sunrise, 2 p. m., and sunset.
i Same temperature on the 30th.
j Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 38.65.
k Same temperature on the 16th.
l Daily maximum and minimum.
m Observations taken at 8 a. m., 2 p. m., and 10 p. m.
n Same temperature on the 10th.
o Same temperature on the 15th.
p Incomplete.
q Observations taken at sunrise, noon, and sunset.
r Same temperature on the 5th.
s Same temperature on the 2d, 14th, and 15th.
t Same temperature on the 17th.
u Same temperature on the 14th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—	°	°	°	°		°		°		°		°	
Crichton's Store (*a*)	49.35	57.15	56.94	54.48	5	72	5	65.00	14	26	14	37.00	5.1
Cross Creek	29.37	50.08	36.36	38.60	4	75	4	48.00	14	*b* 16	13	22.67	----
Falmouth	46.97	58.57	48.50	51.35	5	75	5	62.33	13	20	14	37.00	----
Lewisburg	35.87	55.93	40.90	44.23	12	70	10	56.00	14	14	13	26.67	3.2
Mount View,	40.43	57.27	47.00	48.23	5	76	10	64.00	1	*c* 24	1	32.00	2.9
Poplar Grove	37.83	60.90	42.00	46.91	4	79	12	68.33	14	20	13	25.33	3.6
Portsmouth	46.73	59.83	49.53	52.03	12	74.5	12	63.00	15	30.5	14	33.17	4.0
Rose Hill	----	----	----	----	----	74	----	----	----	32	----	----	----
Rougemont	44.37	61.00	49.57	51.65	5	76	10	65.67	14	20	14	33.67	3.5
Smithfield	43.72	60.36	47.28	50.45	5	74	26	61.70	14	22	14	31.60	4.2
Westwood	43.32	57.91	49.47	50.24	5	72	10	61.33	14	22	14	33.67	----
Wheeling	34.72	50.71	41.02	42.15	4	69	4	54.67	13	*c* 19	13	22.33	5.9
Winchester	39.23	32.04	43 20	45.21	10	70	10	60.67	14	22	14	30.67	3.2
NORTH CAROLINA—													
Chapel Hill	45.13	61.67	50.67	52.49	5	74	26	61.67	12	22	14	34.67	4.5
Davidson College	42.40	58.46	49.10	49.99	12	72	12	61.27	14	21	14	35.17	3.0
Green Plains	42.70	60.60	43.53	48.94	5	*d* 72	12	60.67	14	20	14	30.67	----
Murfreesborough	46.30	59.74	51.33	52.46	12	72	18	64.33	14	26	14	33.67	3.5
SOUTH CAROLINA—													
Aiken	47.75	67.25	51.79	55.60	10	80	12	65.67	14	24	14	38.00	2.4
All Saints	59.23	64.53	56.30	60.02	12	75	18	68.33	14	31	14	38.00	4.4
Charleston	55.37	64.90	59.73	60.00	10	*e* 73	28	67.00	14	32	14	41.33	----
Columbia, [White]	60.53	74.67	64.90	66.70	15	88	26	78.67	29	44	21	50.33	1.5
St. John's	48.86	64.92	53.20	55.66	12	75	27	68.00	15	27	14	36.33	4.2
GEORGIA—													
Atlanta	46.23	62.27	55.27	54.59	10	*f* 72	24	*g* 61.67	14	24	13	32.67	2.1
Augusta	49.04	72 52	54.83	58.80	12	83	27	69.17	14	*h* 30	14	41.33	2.2
Clarksville	37.57	62.70	47.60	49.29	12	*i* 74	7	*d* 61.67	14	20	13	30.33	2.6
Sparta	44.77	65.20	52.00	53.99	12	78	27	66.33	14	19	14	31.67	2.8
Thomaston	51.87	66.10	60.80	59.59	11	79	11	71.33	14	25	14	38.00	1.9
Whitemarsh Island	55.23	66.30	59.43	60.32	27	*e* 76	28	69.33	14	33	14	40.67	3.2
FLORIDA—													
Alligator	55.37	70.77	59.00	61.71	11	82	12	69.33	14	32	14	38.67	3.2
Atsena	58.97	66.90	63.60	63.16	24	74	29	70.33	14	32	14	42.33	2.7
Belair (*j*)	51.20	67.46	56.66	58.44	25	*b* 81	25	72.33	15	28	15	39.33	----
Gainesville (*k*)	56.00	70.54	62.20	62.91	11	78	30	70.67	14	34	14	?	3.4
Jacksonville	60.30	70.40	61.38	64.03	11	*l* 79	10	71.33	15	35	14	44.00	3.7
Micanopy	55.37	71.67	60.43	62.49	30	79	21	69.73	14	*h* 33	14	40.33	3.9
St. Augustine	63.27	69.57	64.27	65.70	18	80	28	72.67	14	40	14	44.33	3.7
Salt Ponds (*m*)	71.80	76.23	----	74.01	12	82	12	80.00	14	58	14	59.50	4.0
Seville	55.19	----	----	----	28	75	----	----	14	32	----	----	3.7
Warrington	59.03	70.03	63.50	64.19	6	81	12	73.33	14	32	14	43.67	3.0
ALABAMA—													
Cahawba	47.00	71.30	54.14	57.48	11	*f* 82	26	*n* 71.67	14	20	----	?	2.3
Carlowville	53.93	72.50	61.45	62.63	25	82	11	71.33	14	24	14	36.33	1.2
Greene Springs	48.81	67.82	54.65	57.09	12	80	11	71.33	14	20	13	31.33	3.0
Greensborough (*j*)	48.58	68.54	54.23	57.12	11	*i* 81	----	?	14	23	----	?	2.6
Orville	46.50	67.57	55.27	56.45	11	81	11	71.67	14	22	13	31.67	3.0
MISSISSIPPI—													
Columbus	45.72	65.67	53.97	55.12	12	79	11	70.13	14	17	13	28.90	3.3
Hernando	50.40	64.76	55.46	56.87	5	*o* 80	11	72.33	13	21	13	28.00	4.6
Natchez	52.87	68.60	60.80	60.76	27	80	27	75.00	14	22	13	32.67	4.3
Westville	52.55	70.23	63.97	62.25	11	85	11	78.00	13	*c* 23	13	31.67	4.4
LOUISIANA—													
New Orleans	59.73	72.00	64.90	65.54	27	*p* 81	27	*q* 75.33	13	38	13	41.00	----

a Observations taken at 8½ a. m., noon, and 4½ p. m.
b Same temperature on the 29th.
c Same temperature on the 14th.
d Same temperature on the 12th.
e Same temperature on the 28th.
f Same temperature on the 11th.
g Same temperature on the 30th.
h Same temperature on the 15th.
i Same temperature on the 23d.
j Incomplete.
k Observations taken at 6 a. m., 2 p. m., and 9 p. m.
l Same temperature on the 22d.
m Thermometer 2½ to 2¾ degrees too high.
n Same temperature on the 27th.
o Same temperature on the 8th, 11th, and 24th.
p Same temperature on the 11th and 26th.
q Same temperature on the 26th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp	Date.	Temp.	Date.	Mean temp.	
TEXAS—	°	°	°	°		°		°		°		°	
Austin, [Palm]	53.20	70.63	58.73	60.85	23	81	23	73.34	14	23	12	34.34	4.2
Austin, [Van Nostrand]	53.16	73.12	60.83	62.37	11	83	23	75.00	14	24	13	35.83	4.4
Bonham	51.87	70.20	58.17	60.08	11	85	30	73.33	13	22	12	26.00	3.5
Burkeville	48.33	69.85	52.70	56.96	11	87	11	74.67	14	13	13	27.17	3.4
Cross Roads	52.90	64.10	58.27	58.42	23	82	23	75.00	13	23	13	33.00	4.1
Dallas	58.50	70.77	65.83	65.03	11	*a* 84	11	79.33	13	24	12	34.00	2.7
Gilmer (*b*)	49.40	72.43	-------	60.91	11	88	11	77.00	13	18	13	23.33	3.4
Larissa	55.77	71.57	62.98	63.44	11	82	23	74.33?	13	18	----	?	3.1
New Braunfels	57.13	73.43	64.20	64.92	11	85	23	78.33	14	22	13	37.33	1.0
Roundtop	57.00	77.50	63.00	65.83	17	88	----	-------	----	18.5	----	-------	----
Sisterdale	50.76	71.42	54.66	58.95	11	83	23	71.46	14	10	13	30.50	4.1
Union Hill	56.17	73.03	63.43	64.21	23	*c* 86	27	77.33	13	23	13	33.67	3.9
Washington	55.27	73.62	59.31	62.74	11	86	27	77.33	14	18	13	30.75	4.4
Webberville	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	4.3
ARKANSAS—													
Spring Hill (*d*)	52.48	69.18	-------	60.83	11	84	11	76.00	13	18	13	32.00	3.2
Washington (*b*)	49.90	67.43	-------	58.66	11	82	11	74.50	13	20	13	33.00	----
Yellsville (*e*)	39.88	-------	-------	-------	----	56	----	-------	13	17	----	-------	4.1
TENNESSEE—													
Glenwood	43.96	59.27	50.07	51.10	4	*f* 73	4	*g* 61.33	13	15	13	21.07	4.3
Memphis	48.43	61.77	54.30	54.83	11	76	11	69.33	13	20	13	29.00	3.6
Pomona	41.37	63.07	43.07	49.17	3	74	30	60.00	14	15	13	21.33	----
KENTUCKY—													
Bardstown	41.77	57.18	47.67	48.84	9	71	4	*h* 59.50	14	12	13	19.33	4.3
Danville	43.73	60.03	48.43	50.73	12	75	4	*i* 61.33	13	14	13	20.33	3.3
Lexington	41.66	55.21	46.50	47.79	4	71	4	*j* 59 67	13	*k* 14	13	18.00	4.6
Paris	40.52	54.62	45.03	46.72	4	69	4	63.00	13	19	13	20.67	4.7
Springdale (*l*)	40.90	56.65	51.42	49.66	4	74	5	63.83	13	*k* 16	13	19.67	4.8
OHIO—													
Avon	39.97	48.14	43.76	43.96	4	72	4	65.17	12	24	13	25.17	5.5
Bellefontaine	37.73	50.23	41.60	43.19	7	*j* 66	9	58.67	14	15	13	18.00	6.2
Bowling Green	39.46	50.71	43.32	44.50	4	70	4	63.53	15	19	13	24.60	5.7
Brecksville	37.27	48.77	41.80	42.61	4	70	4	58.33	13	*k* 20	13	22.67	5.0
Cincinnati, [Harper]	40.43	54.83	46.83	47.36	8	*j* 73	5	62.00	14	12	13	20.00	5.5
Cincinnati, [Phillips]	43.07	55.90	48.93	49.30	4	*h* 74	5	65.33	13	20	13	23.00	3.7
Cleveland	39.65	49.05	44.88	44.53	4	72	4	63.50	13	*k* 23	13	25.50	7.3
College Hill	39.57	53.33	41.07	44.66	30	*m* 68	4	*h* 57.03	13	*k* 16	13	21.03	5.1
Collingwood	37.23	52.27	40.60	43.37	10	78	4	63.00	12	*n* 20	12	24.67	----
Elk Run	36.03	48.53	41.50	42.02	4	71	4	59.67	14	17	13	23.67	4.8
Freedom	34.96	44.93	39.93	39.94	5	64	5	59.33	14	18	13	25.00	4.7
Hillsborough	39.33	50.28	45.03	44.88	4	67	4	59.83	14	14	13	17.67	4.7
Hudson (*o*)	38.50	48.35	42.34	43.06	4	65	4	58.13	14	21	13	25.40	5.5
Iberia	39.07	53.13	46.70	44.88	4	70	4	?	13	*k* 17	13	?	5.8
Jackson, (Monroe county) (*p*)	34.50	50.11	42.48	42.36	12	71	----	?	14	19	----	?	----
Kelley's Island	40.76	46.96	44.00	43.91	8	61	4	55.33	13	24	13	27.33	5.7
Madison, [King]	38.85	48.73	41.67	43.08	4	74	4	61.33	14	*q* 22	14	27.67	6.1
Montville	37.53	47.85	42.03	42.47	4	70	4	59.00	14	17	13	22.00	6.0
Mount Union (*p*)	37.30	45.83	41.64	41.59	9	66	----	?	14	15	13	22.33	5.5
New Lisbon	33.42	50.16	38.93	40.84	4	72	5	57.33	14	12	13	24.67	5.4
North Bend	39.36	54.04	45.61	46.34	4	72	4	62.93	13	*k* 16	13	18.50	4.2
Northwood	-------	-------	-------	-------	----	-------	----	-------	----	-------	----	-------	5.4
Portsmouth	38.50	57.57	43.63	46.57	12	77	12	61.00	13	*k* 20	13	23.67	3.5
Ripley	42.87	-------	48.33	45.60	12	65	30	56.50	15	21	14	23.00	----
Rockport	41.17	51.97	46.20	46.45	4	71	4	62.33	12	25	12	27.67	----

a Same temperature on the 23d.
b Observations taken at sunrise and 2 p. m.
c Same temperature on the 27th.
d Observations taken at 7 a. m. and 3 p. m.
e Observations taken at sunrise.
f Same temperature on the 8th.
g Same temperature on the 25th.
h Same temperature on the 5th.
i Same temperature on the 9th and 30th.
j Same temperature on the 9th.
k Same temperature on the 14th.
l Observations taken at 7 a. m., 2 p. m., and 5 p. m.
m Same temperature on the 4th, 5th, and 6th.
n Same temperature on the 13th.
o The records of thermometer at this place are 0°.85 too high.
p Incomplete.
q Same temperature on the 15th.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
OHIO—Continued.													
Savannah	35.83	50.37	42.13	42.78	4	72	4	64.00	14	17	13	22.00	6.2
Troy	36.17	52.73	42.47	43.79	9	71	4	60.67	13	*a* 18	13	20.33	4.2
Urbana	36.43	52.27	42.00	43.57	4	*b* 72	9	60.00	14	17	13	19.67	5.4
Welchfield	35.30	47.90	39.76	40.99	4	70	4	58.67	14	18	13	22.33	5.0
Westerville	38.53	52.18	44.32	45.01	4	72	4	58.50	14	19	13	23.33	5.4
Windham	35.47	50.20	42.03	42.57	4	73	4	58.67	14	18	13	23.67	----
Zanesville	36.97	52.13	49.31	46.14	4	*c* 72	?	?	14	17	13	?	----
MICHIGAN—													
Battle Creek	35.83	46.07	39.37	40.42	4	70	4	63.67	15	16	13	26.00	5.5
Detroit	37.57	48.59	36.03	40.73	4	72	4	53.33	14	20	14	24.33	5.7
Grand Haven	39.03	41.93	39.87	40.28	7	*d* 62	8	58.00	24	27	14	32.00	7.6
Grand Rapids	34.46	44.26	37.43	38.72	8	70	4	*d* 61.00	24	20	13	28.00	7.0
Marquette	30.37	35.36	30.67	32.13	8	54	4	48.70	14	15	27	18.90	7.2
Monroe, [Bowlsby]	37.37	46.40	42.70	42.16	4	73	4	62.33	13	19	13	23.33	5.3
Monroe, [Whelpley]	----	----	----	----	----	----	----	----	----	----	----	----	5.3
Monroe Piers (*e*)	37.18	43.01	41.76	40.15	4	*c* 62	5	55.37	13	21	13	24.25	6.2
New Buffalo (*f*)	37.24	44.71	39.23	40.39	4	*d* 68	4	62.00	14	18	14	23.00	7.1
Ontonagon (*g*)	31.17	32.53	-------	31.85	8	50	8	49.50	27	*a* 21	27	21.50	7.8
Ottawa Point (*h*)	35.06	39.96	38.33	37.22	4	54	4	50.25	24	*i* 24	20	*a* 27.50	8.0
Thunder Bay Island (*j*)	34.43	37.05	36.01	35.81	4	51	4	48.75	13	*k* 25	20	26.75	8.0
Ypsilanti	35.03	45.57	39.35	39.98	4	70	4	61.33	15	20	15	25.33	6.8
INDIANA—													
Aurora (*l*)	37.83	53.83	46.13	43.93	4	74	4	60.00	14	14	13	19.33	----
Cannelton	44.69	56.22	48.19	49.70	5	72	4	63.13	13	19	13	21.00	4.2
Logansport	39.80	49.20	42.00	43.67	4	73	4	66.67	12	*m* 19	14	28.67	5.8
Michigan City (*n*)	39.63	42.96	43.70	41.84	4	69	4	64.50	21	*o* 30	21	33.50	3.6
New Harmony	43.27	55.23	48.03	48.84	10	73	9	63.67	14	18	14	21.00	4.7
Richmond, [Haines]	41.17	51.85	45.43	46.15	4	70	4	62.67	13	*a* 21	13	24.67	4.3
ILLINOIS—													
Augusta	36.67	48.10	41.83	42.20	3	73	4	64.00	12	7	12	14.67	5.3
Aurora	35.03	46.73	39.03	40.26	3	71	4	59.33	12	*m* 15	14	19.33	5.4
Batavia, [Mead]	34.80	41.69	38.33	38.27	3	72	4	60.00	12	*p* 15	13	19.00	6.6
Bruce	39.21	49.46	42.00	43.56	4	75	4	68.67	13	14	13	18.00	5.0
Chicago (*q*)	30.06	------	31.68	30.87	----	----	----	----	----	----	----	----	7.3
Edgington	36.07	47.90	40.40	41.46	3	76	4	63.67	13	14	12	19.33	6.4
Elgin	33.33	43.47	37.10	37.96	36	68	4	60.00	12	*r* 14	13	19.00	7.0
Galena	----	----	----	----	----	----	----	----	----	----	----	----	6.4
Lebanon (*s*)	39.85	49.53	41.90	43.77	30	65	?	?	13	13	13	21.00	6.5
Manchester (*f*)	38.60	52.33	44.50	45.14	3	76	4	65.00	13	12	12	18.67	6.1
Marengo	33.30	41.75	37.86	37.64	4	74	4	63.00	15	12	12	20.33	6.4
Ottawa	33.40	46.14	39.50	39.68	3	70	4	63.00	13	12	13	17.67	6.1
Pekin	36.90	48.20	43.16	42.75	3	72	4	65.00	13	12	12	18.67	6.3
Peoria	37.97	48.00	43.83	43.27	4	70	4	64.83	13	14	12	19.67	6.4
Riley	34.63	42.48	36.90	38.00	7	64	4?	?	12	12	13	19.00	6.2
Sandwich	34.86	46.16	39.70	40.24	3	72	4	61.00	13	12	12	*m* 18.67	6.1
West Salem	42.83	56.83	48.53	49.40	4	77	8	66.67	13	18	13	20.33	4.8
West Urbana	37.83	49.53	43.07	43.48	4	75	4	64.67	13	13	13	17.67	6.9
Wheaton	34.77	44.77	38.22	39.25	3	69	4	60.50	12	13	13	18.50	7.4
Winnebago	32.63	43.49	36.23	37.42	7	70	4	63.00	15	10	12	19.50	5.9
MISSOURI—													
Cassville	46.63	57.80	50.62	51.68	4	*d* 77	4	71.00	13	16	12	18.33	4.8
Paris	37.50	50.37	43.97	43 95	3	75	3	64.67	13	10	12	14.67	5.4

a Same temperature on the 14th.
b Same temperature on the 9th.
c Same temperature on the 5th.
d Same temperature on the 8th.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 38 68.
f Observations taken at 7 a. m., 1 p. m., and 9 p. m.
g Observations taken at 9 a. m. and 3 p. m.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 35.56.
i Same temperature on the 28th.
j Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 35.78
k Same temperature on the 14th, 20th, and 28th.
l Observations taken at 6 a. m., 2 p. m., and 9 p. m.
m Same temperature on the 13th.
n Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 41.06.
o Same temperature on the 24th.
p Same temperature on the 18th.
q Observations for the last 19 days only.
r Same temperature on the 15th.
s Incomplete.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
MISSOURI—Continued.													
Rhineland	35.36	51.31	43.39	43.35	30	78	----	?	13	7	12	18.67	5.6
St Louis, [Engelmann]	41.35	53.78	47.18	47.44	3	*a* 75	4	65.50	13	15	12	22.00	5.2
St. Louis, [Fendler]	39.73	53.70	45.72	46.38	3	76	4	64.33	13	14½	12	21.67	----
Stockton	44.00	57.67	46.73	49.47	3	78	3	*a*67.67	13	14	12	17.33	4.3
Warrenton	38.97	52.43	45.13	45.51	3	*a* 75	4	65.00	13	14	13	19.00	4.7
WISCONSIN—													
Appleton	30.77	40.47	33.73	34.99	4	65	4	55.67	15	11	14	22.00	5.5
Bay City	31.33	29.40	24.93	25.22	7	56	7	43.67	14	*b* 8	27	11.33	5.6
Beloit	32.47	43.10	35.97	37.18	4	*c* 69	4	63.33	15	10	12	*c* 20.00	4.5
Delafield	36.30	45.57	39.97	40.61	4	74	4	67.67	15	15	13	24.00	6.4
Green Bay	32.77	42.90	46.57	40.75	4	70	4	59.33	14	*d* 14	14	22.00	5.9
Janesville	29.56	46.06	39.27	38.30	4	*c* 70	4	63.33	15	6	13	18.33	----
Kenosha	37.03	45.06	40.67	40.92	8	69	4	62.50	15	17	13	23.67	5.1
Manitowoc	34.47	42.40	38.53	38.47	4	69	4	65.00	15	18	14	23.67	6.4
Milwaukee, [Lapham]	37.68	43.37	10.82	40.62	4	69	4	65.50	15	19	13	24.33	----
Milwaukee, [Larkin]	36.60	-------	40.21	38.40	3	72	4	63.00	15	18	14	23.50	6.6
Milwaukee, [Winkler]	35.20	42.80	38.63	38.88	4	70	4	65.33	15	15	13	22.67	5.5
Pardeeville	30.54	40.65	36.58	35.92	4	70	4	64.00	15	8	12	22.67	7.1
Platteville	31.70	43.67	35.60	36.99	4	69	4	62.33	13	14	12	18.67	6.4
Rocky Run	31.70	41.43	35.90	36.34	4	69	4	62.67	15	10	13	*e* 22.67	6.4
Superior, [Mann]	26.47	33.37	28.95	29.60	1	48	7	43.67	30	6	13	15.50	7.0
Superior City, [Stuntz] (*f*)	26.43	33.63	31.23	29.62	1	45	7	42.75	13	*g* 10	13	15.00	7.0
Wausau	31.43	40.20	33.90	35.18	4	65	4	60.00	26	*h* 12	26	15.33	3.4
IOWA—													
Bellevue	32.33	46.20	36.80	38.41	3	74	4	65.33	15	13	12	21.00	6.4
Burlington	37.90	48.76	46.30	42.65	3	76	7	63.67	13	16	12	18.00	6.5
Dubuque	34.57	44.10	39.07	39.25	4	72	4	64.67	13	16	12	21.33	5.7
Fairfield	35.40	47.62	40.20	41.07	3	78	4	64.67	13	9	12	13.67	5.9
Fayette Village	29.10	40.27	32.60	33.99	4	71	7	59.33	14	8	13	12.67	5.9
Forestville	31.57	40.64	34.89	35.70	4	*i* 70	8	60.00	14	12	11	17.00	5.0
Fort Madison (*j*)	35.90	46.90	41.86	41.55	3	74	4	64.33	13	11	12	16.00	5.3
Franklin	32.77	45.37	35.10	37.75	4	73	7	61.67	13	6	12	16.33	5.0
Muscatine	33.73	46.70	38.23	39.55	3	75	4	62.00	13	12	12	16.00	4.6
Pleasant Plain	34.40	47.83	39.10	40.44	3	78	4	67.67	13	10	12	15.67	5.6
Rossville	30.40	39.98	34.57	34.98	4	71	7	70.90	15	12	14	*b* 22.37	5.6
MINNESOTA—													
Beaver Bay, [Clark]	28.97	33.07	29.13	30.39	1	45	7	44.00	27	10	13	15.50	5.1
Beaver Bay, [Wieland]	24.80	32.67	25.20	27.56	7	45	7	43.00	30	2	30	12.33	6.6
Burlington	26.97	34.17	28.27	29.80	7	46	7	44.33	27	5	27	12.67	6.4
Chatfield	29.10	41.47	31.50	34.02	4	75	7	62.67	12	10	12	15.67	6.6
Forest City	24.04	34.00	27.23	28,42	7	64	----	?	13	0	13	9.67	4.0
Hazlewood	25.10	34.59	27.55	29.08	7	68	7	54.33	30	— 2	30	6.67	5.8
Princeton	25.87	36.77	28.83	30.49	7	69	7	62.33	13	2	13	9.67	5.5
DACOTAH—													
Greenwood (*k*)	25.87	45.33	29.47	33.56	7	72	6	48.67	30	— 2	30	6.33	5.4
NEBRASKA—													
Bellevue	33.43	46.73	38.60	39.59	3	76	7	65.67	12	5	12	10.67	4.3
Deer Creek	28.47	39.00	28.96	32.14	2	70	6	?	11	—12	11	— 5.67	----
Elkhorn	30.77	45.70	36.13	37.53	3	76	7	63.33	12	1	12	7.33	5.6
Nebraska City	34.06	45.99	38.12	39.39	3	76	3	62.80	30	0.6	30	2.40	5.4
Omaha, [Rain]	32.66	44.13	36.80	37.86	3	78	3	60.33	12	2	12	8.33	5.5
KANSAS—													
Burlingame	38.30	53.26	43.00	44.85	3	*c* 76	4	66.00	12	10	12	15.33	4.0
Denver City	26.90	52.47	30.33	36.57	2	70	3	54.33	12	—18	12	— 0.67	3.1
Lecompton	47.17	56.83	43.23	49.08	4	82	4	69.33	12	0	12	27.33	3.2
Manhattan	39.10	58.10	42.27	46.49	4	84	3	71.33	12	10	12	12.00	6.8

a Same temperature on the 4th.
b Same temperature on the 27th.
c Same temperature on the 7th.
d Same temperature on the 15th.
e Same temperature on the 14th.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 27.20.
g Same temperature on the 14th and 27th.
h Same temperature on the 28th.
i Same temperature on the 8th.
j Observations taken at 6 a. m., noon, and 7 p. m.
k Observations taken at 7 a. m., 2 p. m, and 10 p. m.

No. 24.—THERMOMETER AND FACE OF SKY, NOVEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
KANSAS—Continued.	°	°	°	°		°		°		°		°	
Neosho Falls	40.07	55.40	44.63	46.70	3	76	7	67.00	12	12	12	14.00	2.7
Wyandott City	38.83	52.73	49.80	46.12	7	75	7	69.67	11	10	12	27.67	4.4
UTAH—													
Great Salt Lake City	34.00	43.00	39.00	38.67	----	68	----	-------	----	10	----	-------	----
WASHINGTON—													
Vancouver	42.53	51.80	44.86	46.40	2	*a* 60	3	*b*52.67	5	*c* 32	26	38.00	7.2
CALIFORNIA—													
Auburn	------	------	------	60.97	----	------	----	-------	----	------	----	-------	----
Downieville (*d*)	38.20	48.56	39.13	41.93	13	*e* 68	11	*f*52.33	24	28	23	*g* 34.00	----
Monterey	52.40	61.47	54.36	56.08	12	69	4	63.50	27	41	27	49.61	----
Sacramento	51.13	56.90	54.13	54.05	1	68	11	61.67	27	42	27	*h* 47.33	5.7
San Francisco	51.83	58.10	53.40	54.44	13	66	13	60.67	23	*i* 43	23	47.00	5.3
Santa Clara	48.70	59.22	52.08	53.33	13	*e* 70	5	60.67	8	36.5	7	44.17	7.0
Union Ranche	48.53	59.60	52.06	53.40	1	80	10	65.67	27	37	22	45.33	5.1
MEXICO—													
Cordova (*j*)	64.71	68.52	65.86	66.66	28	73.8	----	-------	15	*k* 58.3	----	-------	----
Mirador (*l*)	59.23	69.12	62.24	63.53	----	------	----	-------	15	46.4	----	-------	----
WEST INDIES—													
St. George's, Bermuda (*m*)	------	------	------	69.5	----	78.2	----	-------	----	56.4	----	-------	----
Turk's Island	79.00	82.00	79.50	80.17	1	*n* 85	1	82.33	29	74	29	76.67	----
CENTRAL AMERICA—													
Guatemala (*o*)	------	------	------	61.84	17	77	----	-------	15	45.3	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Surinam (*p*)	74.36	86.04	79.21	79.87	4	90	4	81.67	8	*q* 72	21	76.00	3.4

a Same temperature on the 10th.
b Same temperature on the 11th.
c Same temperature on the 6th.
d Observations taken at 8 a. m., 2 p. m., and 9 p. m.
e Same temperature on the 14th.
f Same temperature on the 15th.
g Same temperature on the 25th.
h Same temperature on the 28th.
i Same temperature on the 24th.
j Observations taken at 9 a. m., 12 m., 3, 6, and 9 p. m. Mean 12 m., 67.08; mean at 6 p. m., 67.15.
k Same temperature on the 13th and 14th.
l Observations taken at 7 a. m., 2 p. m., and 8 p. m.
m Observations taken at $3\frac{1}{2}$ a. m., $9\frac{1}{2}$ a. m., $3\frac{1}{2}$ p. m., and $9\frac{1}{2}$ p. m.
n Same temperature on the 2d.
o Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
p Observations taken at 6 a. m., 2 p. m., and 6 p. m.
q Same temperature on the 10th, 21st, 22d, and 29th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°	°			°	
BRITISH AMERICA—													
Fort Rae (*a*)	—14.41	—11.24	—14.03	—13.23	21	4	15	2.00	29	(*b*)	29	(*b*)	4.2
Fort Simpson (*a*)	—7.38	—7.96	—1.35	—3.90	5	23	15	12.00	1	—36	1	—32.7	5.0
Hamilton (*c*)	21.36	.....	22.26	21.81	1	57	1	49.50	31	— 5	31	2.50	.....
Montreal	11.07	14.33	12.98	12.79	1	47	1	42.06	29	—17	29	—12.95	6.6
Red River Settlement	—9.35	—1.77	—7.84	—6.32	10	38	10	28.67	7	—37	1	—26.00*d*	3.6
St. John's	33.00	35.33	31.84	33.39	9	59	8	51.00	25	11	4	19.33	8.4
St. Martin (*e*)	4.26	14.25	8.66	9.06	1	42	20	34.13	29	—33	29	—18.17	.....
Stanbridge	10.58	18.16	10.35	13.03	1	55	1	47.00	28	—36	28	—19.33	7.1
Toronto (*e*)	16.52	21.03	17.23	18.26	1	54	1	44.37	31	— 2.6	31	— 1.08	7.3
Windsor	23.58	27.09	24.20	24.96	1	*f* 53.5	7	47.33	28	— 2	28	— 0.83	8.3
Wolfville	23.89	26.90	23.48	24.76	1	55	1	50.00	28	— 4	28	—18.33	8.7
MAINE—													
Bangor	11.63	21.42	13.71	15.59	1	*g* 42	1	*g*39.33	28	—15	28	—10.00	5.3
Belfast (*h*)	12.13	19.15	14.48	15.25	7	50	7	46.67	28	—16	28	—12.00	6.2
Cornish, [West]	12.39	19.00	13.42	15.27	2	44	2	40.67	29	—18	28	— 9.33	4.6
Cornishville	14.96	21.77	16.44	17.72	7	49	2	42.67	29	—14	28	— 7.00	5.3
Dexter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.9
Gardiner	9.19	19.82	12.69	13.90	2	*i* 41	2	*i*37.67	29	—25	29	—13.00	6.3
Lisbon	10.58	23.32	15.09	16.33	1	*g* 45	2	42.33	25	—23	29	— 9.34	5.5
Perry	16.68	22.97	17.55	19.07	7	52	7	46.00	28	—14	28	— 6.67	4.9
Portland	16.79	22.71	18.34	19.28	2	47	2	44.00	29	— 8	28	— 2.50	5.9
Steuben	17.45	24.03	18.32	19.93	1	50	1	46.33	25	*j*—11	28	— 7.00	5.9
Topsham	9.94	.....	13.71	11.82	2	42	2	38.50	31	—19	29	—13.00	7.0
Vassalborough	13.84	21.16	18.00	17.67	2	48	1	40.67	28	*j*—14	28	— 6.00	5.7
NEW HAMPSHIRE—													
Claremont	14.19	23.00	16.55	17.91	1	48	1	43 33	29	—16	28	— 8.67*j*	6.2
Manchester	14.64	25.84	20.88	20.45	1	55	1	47.67	29	—15	29	— 6.00	5.9
Shelburne (*k*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.7
Stratford	11.48	19.32	13.45	14.75	7	50	7	40.67	29	—27	28	—15.00	7.0
VERMONT—													
Brandon	17.20	22.72	17.14	19.02	1	51	1	46.50	29	—26	29	—11.67	2.2
Burlington	14.43	19.30	14.93	16.22	1	54	1	49.00	29	—26	29	—15.33	6.9
Craftsbury	11.68	19.55	13.58	14.94	1	50	1	44.00	29	—24	28	—12.00	6.6
Lunenburg	9.78	18.21	14.45	14.15	7	46	1	36.33	29	—32	29	—18.00	5.8
Rupert	16.26	24.52	19.81	20.20	6	58	1	46.67	29	— 18	29	— 6.00	6.5
St. Johnsbury	8.87	18.60	11.39	12.95	7	46	7	37.33	29	—34	28	—19.00	6.2
MASSACHUSETTS—													
Amherst	20.71	27.39	21.93	23.34	2	63	2	54.50	29	— 8.5	28	— 3.33	5.9
Bridgewater	25.55	31.26	26.14	27.65	1	*l* 57	7	56.33	29	— 4	28	2.67	6.6
Cambridge	25.55	28.35	22.97	25.62	2	65	2	58.00	29	— 8	28	— 2.33	6.4
Lawrence	18.52	25.87	19.97	21.45	2	61	2	53.67	29	—12	28	— 4.33	7.0
Mendon	19.55	28.06	21.90	23.17	2	66	2	57.33	29	—10	28	— 1.00	5.6
Nantucket	34.55	36.10	33.34	34.66	2	58	2	54.17	28	12	28	14.33	6.3
New Bedford	27.23	32.89	27.73	29.28	7	58	7	55.00	28	*j*— 2	28	1.33	6.9
Westfield	17.81	26.26	20.52	21.53	2	62	2	54.33	29	—17	28	6.33	6.5
Williamstown	18.92	21.08	18.56	19.42	7	57	1	49.93	29	—24	29	— 9.83	6.8
Worcester	22.35	27.84	23.05	24.41	2	63	2	57.33	29	— 8	28	— 1.33	6.3
RHODE ISLAND—													
Providence (*m*)	26.70	31.70	26.80	28.40	1	*i* 61	2	56.00	29	2	28	3.67	5.9
CONNECTICUT—													
Columbia	22.90	31.39	21.65	25.31	1	*g* 57	2	53.67	29	— 8	28	0.00	6.0
Middletown	23.13	29.33	23.31	25.26	1	59	2	54.93	29	— 7	28	1.10	6.0
Pomfret	21.23	26.16	21.74	23.04	1	56.5	2	51.17	29	—11	28	2.83	6.4
Saybrook	29.65	31.73	25.87	29.08	2	57	2	52.67	29	—17?	29	— 0.33	6.1
Wallingford	22.72	29.56	23.61	25.30	1	56½	2	52.83	29	7	28	1.83	5.5

a Observations taken at 7 a. m., 2 p. m., and 7 p. m.
b Mercury frozen at 7 p. m. on the 3d, and at 7 a. m., 2 p. m., and 7 p. m. on the 29th.
c Observations taken at 9 a. m. and 9 p. m.
d Same temperature on the 31st.
e Observations taken at 6 a. m., 2 p. m., and 9 p. m
f Same temperature on the 7th and 8th.
g Same temperature on the 2d.
h Observations taken at 7 a. m., noon, and 6 p. m.
i Same temperature on the 7th.
j Same temperature on the 29th.
k Incomplete.
l Same temperature on the 2d and 7th.
m Observations taken at sunrise, 2 p. m., and 10 p. m.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	○	○	○	○		○		○		○		○	
NEW YORK—													
Bellport	29.55	34.23	29.03	30.94	2	55	2	52.67	28	7	28	9.00	5.5
Beverly	22.93	28.85	24.00	25.26	1	*a* 57	1	51.33	29	— 9	29	— 2.67	6.6
Buffalo (*b*)	23.26	26.21	23.82	24.43	1	55	1	51.00	28	*c* 4	31	5.67	7.8
Cazenovia	17.46	22.30	19.15	19.64	2	57	1	53.27	28	14.5	28	— 9.73	8.2
Charlotte (*d*)	20.22	25.41	24.38	22.95	1	63	1	59.25	29	— 8	29	4.00	8.4
Flatbush	27.40	32.57	27.90	29.29	2	62	2	58.37	29	3	28	5.83	6.5
Fort Niagara (*e*)	20.64	25.16	23.80	22.56	1	60	1	58.25	31	— 8	31	1.50	7.8
Nichols	21.58	30.90	22.13	24.87	1	60	1	54.33	28	0	28	3.00	8.0
Oswego	20.74	26.06	23.65	23.48	1	60	1	53.67	29	—10	28	— 0.33	6.0
Penn Yan (*f*)	20.13	26.52	22.10	22.92	1	55	1	53.00	29	1	28	3.33	1.7
Rochester, [Dewey]	20.94	25.55	22.68	23.06	1	60	1	52.00	29	0	28	5.67	8.3
Sackett's Harbor (*g*)	16.64	20.95	20.50	19.05	1	58	1	55.62	29	—21	28	—11.50	7.0
Wampsville	16.84	23.00	19.19	19.68	1	60	1	55 33	29	—18	28	—10.00	7.8
Waterford	18.93	25.58	19.42	21.31	1	57	1	53.00	29	—16	28	— 6.33	6.4
NEW JERSEY—													
Freehold	29.55	35.73	30.81	32.03	2	70	2	63.67	28	*h* 8	28	9.00	----
Lambertville	25.74	35.02	28.63	29.80	2	67	2	60.50	29	6	28	8.80	3.1
Newark (*i*)	------	------	------	29.45	1	*j* 62	2	55.88	28	6	28	7.00	----
Woodstown	30.35	35.35	30.19	31.96	2	68	2	64.00	28	9	28	12.00	5.7
PENNSYLVANIA—													
Altoona	27.97	33.68	27.16	29.60	1	68	2	61.67	31	4	31	10.00	7.3
Bedford	25.94	35.55	28.55	30.01	2	70	2	56.33	31	6	31	10.33	7.3
Berwick	25.89	32.10	27.00	28.33	1	*a* 60	1	*a*52.33	31	4	28	9.00	6.2
Cannonsburg	26.16	32.45	29.00	29.20	1	64	1	60.00	31	6	31	10.00	7.8
Chambersburg	27.00	33.65	29.58	30.08	1	*a* 68	2	56.67	29	10	29	11.67	7.4
Easton (*k*)	23.31	31.81	23.67	26.26	2	64	2	59.00	29	— 1	29	2.33	7.3
Fleming	24.74	31.10	25.61	27.15	1	59	1	52.33	25	*c* 0	31	7.00	7.7
Gettysburg	25.94	32.55	26.52	28.34	2	66	2	60.33	31	8	29	10.50	6.3
Harrisburg, [Heisely]	29.13	33.74	30.71	31.19	2	67	2	60.33	29	11	29	11.67	7.0
Harrisburg, [Hickok]	28.68	33.40	30.08	30.72	2	69.5	2	60.00	29	*c* 12	29	12.00	7.3
Lewisburg	24.05	30.35	24.63	26.34	1	62	1	51.97	31	4	31	10.23	8.0
Morrisville	26.42	34.61	26.77	29.27	2	67	2	60.00	28	*h* 4	28	6.67	4.8
Mount Joy	27.82	34.98	29.05	30.62	2	72	2	62.50	31	6	29	11.50	6.1
Norristown	29.15	33.59	28.94	30.56	2	68	2	62.00	29	9	28	11.33	6.4
North Whitehall (*l*)	23.58	31.87	28.94	28.13	2	62	2	56.00	29	6	29	7.67	7.0
Philadelphia	30.66	36.48	31.87	33.00	2	70	2	62.80	28	*h* 11	28	13.33	6.4
Pittsburg, [Marine Hospital]	26.13	33.23	27.81	29.06	1	67	1	62.33	31	5	31	9.00	8.0
Pocopson	28.61	34.71	29.02	30.78	2	67	2	61.50	28	*h* 10	28	11.67	6.1
Sewickleyville	23.79	29.36	23 97	25.71	1	60	1	55.67	31	0	31	2.00	7.6
Shamokin	25.61	32.29	28.45	28.78	1	*a* 72	2	63.00	16	5	28	11.00	6.7
Somerset	25.07	32.65	24.97	27.56	1	69	1	61.33	31	2	31	8.00	8.6
Tarentum	26.19	32.19	26.65	28.34	1	65	1	61.00	31	0	31	5.00	7.7
West Haverford	28.13	34.48	------	31.30	2	68	2	61.50	29	8	31	9.50	6.7
Worthington	23.94	31.10	25.90	26.98	1	64	1	60.67	31	1	31	5.33	8.1
MARYLAND—													
Annapolis	30.82	38.79	35.48	35.03	2	74	2	66.83	9	13	28	19.00	6.0
Bladensburg	30.04	37.78	33.29	33.70	1	67	----	?	25	12	29	17.33	6.8
Chestertown	31.12	36.87	32.12	33.37	2	70	----	?	29	10	28	13.33	6.3
Frederick	30.16	34.77	31.53	32.15	2	63.5	2	59.57	29	14	29	15.00	6.7
Leitersburg	26.61	34.13	27.13	29.29	2	72	2	59.67	31	4	29	12.00	6.8
St. Mary's	38.89	44.19	39.48	40.85	----	?	----	?	----	?	----	?	4.9
Sykesville	26.10	33.87	27.13	29.03	2	71	2	65.33	29	8	29	11.33	5.9
DISTRICT OF COLUMBIA—													
Georgetown	32.15	39.71	34.08	35.31	2	76	2	69.33	29	15	29	17.67	5.8
Washington	31.13	36.83	33.48	33.81	2	71	2	64.67	29	13	29	16.00	6.2

a Same temperature on the 2d.
b Observations taken at 8 a. m., 2 p. m., and 9 p. m.
c Same temperature on the 31st.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 21.80.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 20.64
f Observations taken at sunrise, 2 p. m., and sunset.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 18.11.
h Same temperature on the 29th.
i Daily maximum and minimum.
j Same temperature on the 7th.
k Observations taken at 8 a. m., 2 p. m., and 10 p. m.
l Observations taken at sunrise, noon, and sunset.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
VIRGINIA—	°	°	°	°		°		°		°		°	
Crack Whip	25.90	34.90	27.29	29.36	1	74	1	62.33	24	*a* 6	24	11.00	6.3
Crichton's Store (*b*)	37.04	44.27	42.69	41.33	2	74	2	?	9	18	29	24.00	5.3
Cross Creek	22.84	32.57	23.65	26.35	2	62	1	52.00	22	— 3	31	2.00	----
Falmouth	31.84	41.23	35.23	36.10	2	77	2	68.67	9	11	29	17.33	----
Fredericksburg (*c*)	-------	43.71	-------	-------	2	76	----	-------	29	28	----	---------	6.0
Lewisburg	27.13	41.97	30.90	33.33	1	71	6	57.67	8	5	8	9.67	5.3
Mont View	30.87	41.35	35.00	35.74	2	76	2	68.00	9	12	8	20.00	5.0
Poplar Grove	30.45	43.00	31.45	34.97	1	76	1	60.00	8	17	8	12.00	6.6
Portsmouth	38.14	49.66	38.16	41.99	1	74.5	1	62.83	25	16.5	9	29.17	5.5
Rose Hill	-------	-------	-------	-------	----	60	----	-------	----	21	----	---------	----
Rougemont	29.20	39.58	32.77	33.85		?	----	?	9	9	8	17.33	5.4
Smithfield (*d*)	35.44	47.35	37.91	40.23	2	75	2	66.67	25	12	----	?	6.0
Westwood	33.15	44.02	36.71	37.96	2	76	2	66.33	9	14	----	?	----
Wheeling	26.42	31.77	27.89	28.69	1	68	1	62.83	31	6	31	8.00	7.8
Winchester	28.19	36.81	28.94	31.31	2	74	1	61.33	9	*a* 12	8	16.00	5.9
NORTH CAROLINA—													
Chapel Hill (*d*)	37.37	47.26	40.33	41.65	2	77	2	65.33	----	?	----	?	6.3
Davidson College	33.92	45.47	37.82	39.07	2	69	----	?	9	14	----	?	5.0
Green Plains	35.19	49.26	38.61	41.02	2	80	2	*e* 63.33	9	19	9	23.67	----
Murfreesborough	37.84	46.90	41.20	41.98	2	73	2	66.33	9	18	9	27.67	5.0
SOUTH CAROLINA—													
Aiken	41.35	54.57	42.65	46.19	3	81	3	68.67	9	*f* 22	----	?	4.9
All Saints	45.90	56.87	48.65	50.47	2	75	7	69.00	25	23	9	31.00	4.7
Charleston	48.52	58.06	52.16	52.91	2	75	7	68.67	9	28	9	35.67	----
St. John's	42.07	59.35	45.90	49.11	7	*g* 76	5	69.00	25	18	?	?	5.1
GEORGIA—													
Atlanta	37.45	46.90	41.74	42.03	2	70	1	61.67	8	16	8	22.67	4.7
Augusta	45.35	58.97	46.86	50.39	1	82	?	?	25	28.5	?	?	5.1
Clarksville	34.55	49.45	39.29	41.10	3	73	3	66.00	23	13	23	24.33	5.1
Sparta	38.61	51.52	41.53	43.89	1	75	3	67.33	8	*h* 17	8	26.67	5.2
Thomaston	47.90	52.68	50.58	50.39	1	70	3	68.67	8	19	8	30.33	5.4
Whitemarsh Island	48.68	59.86	53.06	53.87	2	*i* 76	4	71.67	25	30	24	38.67	4.2
FLORIDA—													
Alligator	47.29	65.45	53.39	55.38	3	82	4	72.67	24	*h* 28	24	39.67	2.9
Atsena	53.35	60.42	57.75	57.17	1	76	1	73.00	24	34	24	43.00	3.3
Belair (*d*)	44.90	62.00	53.52	53.47	5	81	5	73.67	8	22	22	39.33	3.9
Gainesville	48.23	64.97	56.35	56.52	2	80	2	72.33	24	30	24	40.67	3.1
Jacksonville	53.29	64.96	56.87	58.38	30	79	4	*e* 72.33	25	36	24	44.66	4.0
Micanopy	47.41	65.84	54.69	55.98	2	*j* 80	4	72.00	24	*h* 30	24	40.33	3.9
St. Augustine	56.87	97.10	59.00	60.49	7	80	4	75.33	24	36	24	44.00	3.6
Salt Ponds (*k*)	68.45	73.64	-------	71.05	3	*i* 82	4	78.50	25	58	24	60.50	4.1
Seville	49.25	-------	-------	-------	2	*l* 67	----	-------	9	30	----	---------	3.7
Warrington	48.35	58.81	54.29	53.82	2	77	2	72.67	8	20	8	30.33	4.1
ALABAMA—													
Greene Springs	38.81	49.52	40.45	42.92	1	75	1	69.67	8	10	7	19.00	5.6
Greensborough (*d*)	37.09	49.89	40.62	42.53	?	?	?	?	?	?	?	?	?
Orville	39.52	52.03	43.45	45.00	1	79	1	71.33	8	15	8	23.00	5.9
MISSISSIPPI—													
Columbus	36.05	45.18	38.18	39.80	1	70	1	67.20	8	12	7	18.40	5.3
Hernando	39.70	41.35	34.32	35.46	1	72	1	68.67	8	5	8	12.00	5.8
Natchez	38.48	49.48	44.23	44.06	1	76	1	72.00	7	*m* 16	7	21.00	5.8
Paulding	40.32	53.47	44.33	46.04	29	77	?	?	?	?	?	?	4.1
Westville	38.90	51.77	43.83	44.83	1	80	1	73.33	8	13	7	18.67	?
LOUISIANA—													
New Orleans	48.23	57.84	51.90	52.66	1	79	1	74.00	8	26	7	31.67	----

a Same temperature on the 31st.
b Observations taken at 8½ a. m., noon, and 4 p. m.
c Observation taken at 2 p. m.
d Incomplete.
e Same temperature on the 7th.
f Same temperature on the 22d.
g Same temperature on the 2d and 3d.
h Same temperature on the 25th.
i Same temperature on the 4th.
j Same temperature on the 3d.
k Thermometer 2½ to 2¾ degrees too high.
l Same temperature on the 5th.
m Same temperature on the 8th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG. WARMEST DAY.			LOWEST DEG. COLDEST DAY.					
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
TEXAS—													
Austin, [Palm]	33.06	48.81	37.35	39.74	1	74	26	64.33	6	10	6	12.34	5.0
Austin, [Van Nostrand]	34.02	52.10	40.10	42.07	1	77	26	65.67	21	10	6	15.67	5.0
Bonham	28.48	45.77	32.19	35.48	27	80	27	62.67	7	0	6	6.33	4.4
Burkeville	32.90	50.22	38.48	40.53	1	76	1	70.33	8	11	7	19.33	5.0
Cross Roads	35.48	47.23	42.71	41.81	27	74	27	70.00	7	9	6	11.67	4.6
Dallas	36.90	45.19	41.03	41.04	----	------	26	71.00	6	10	2	20.33	3.6
Gilmer	28.94	-------	48.21	25.72	1	73	1	70.50	21	*a* 0	6	9.50	4.7
Larissa	34.73	47.79	41.76	41.43	1	75	26	66.67	7	3	?	?	4.6
New Braunfels	37.16	54.35	45.23	45.58	1	78	1	75.00	7	15	6	19.66	1.0
Roundtop	37.00	55.00	41.50	44.50	?	81.5	?	?	?	9	?	?	----
Sisterdale	32.10	50.20	34.69	39.00	1	72	26	61.43	15	9	6	15.10	4.6
Union Hill	36.00	50.16	42.68	42.95	1	79	27	70.67	7	8	6	12.00	5.6
Washington	33.52	50.79	38.03	40.78	1	78	26	71.00	21	*b* 6	6	12.33	5.2
Webberville	-------	-------	-------	-------	----	------	----	-------	----	-------	----	-------	4.5
ARKANSAS—													
Washington	31.71	45.16	-------	38.43	1	74	1	71.00	7	6	7	15.00	----
Yellsville (*c*)	22.71	-------	-------	-------	1	70	----	-------	6	— 2½	----	-------	4.9
TENNESSEE—													
Glenwood	28.41	36.88	30.69	31.99	1	72	1	63.27	23	0	7	7.67	6.0
Memphis	30.52	38.13	34.10	34.25	1	74	1	66.33	7	7	7	12.00	5.1
Pomona	29.19	43.97	31.61	34.92	26	76	1	62.33	8	0	8	8.67	6.1
University Place	33.84	40.70	35.83	36.79	1	63	1	62.00	8	4	7	7.33	5.5
Winchester	34.06	44.13	35.81	38.00	1	68	1	66.67	8	8	8	17.00	5.9
KENTUCKY—													
Bardstown	28.08	36.10	28.92	31.03	1	70	1	65.00	23	— 7	8	9.50	6.3
Danville	29.71	39.77	29.90	33.13	1	74	1	67.33	23	— 6	7	7.67	5.9
Paris	26.68	33.23	26.45	28.79	1	69	1	63.33	23	— 8	7	6.67	6.7
Springdale (*d*)	24.40	33.35	29.65	29.13	1	67	1	62.00	23	— 12½	8	8.33	6.1
OHIO—													
Avon	23.61	28.20	24.93	25.58	1	66	1	55.67	31	— 8	31	— 1.17	6.7
Bellefontaine	19.39	26.34	19.68	21.80	1	63	1	55.67	31	—14	31	—10.00	6.6
Bowling Green	22.11	31.08	24.12	25.77	1	65	1	56.33	31	—14	31	— 4.67	6.8
Brecksville	19.81	26.19	20.55	22.18	1	63	1	54.67	31	—10	31	— 4.00	6.7
Cincinnati, [Harper]	24.52	31.58	26.26	27.45	1	67	1	61.33	8	— 3	31	2.67	5.9
Cincinnati, [Phillips]	27.68	33.32	29.55	30.18	1	68	1	63.33	23	2	31	8.00	5.4
Cleveland	23.23	29.18	25.63	26.01	1	64½	1	55.83	31	— 8	31	2.00	8.0
College Hill	22.61	31.77	24.45	26.28	1	64	1	55.03	31	0	31	4.67	5.5
Collingwood	20.26	28.97	21.65	23.63	1	64	1	55.33	31	—15	31	— 6.33	----
Elk Run	22.45	28.51	24.03	25.00	1	61	1	59.00	31	— 2	31	0.67	7.9
Freedom	22.42	28.06	24.03	24.84	1	61	1	55.33	31	— 5	31	— 4.33	7.4
Hillsborough	22.94	28.77	24.89	25.53	1	61	1	69.83	31	— 1 *e*	31	1.50	6.1
Hudson (*f*)	21.04	27.68	22.73	23.82	1	62	1	53.92	31	— 5	31	— 3.65	7.1
Jackson, (Monroe Co.)	25.46	34.46	28.90	29.61	1	70	1	63.33	8	6	31	9.67	6.8
Kelley's Island	23.64	27.55	25.29	25.49	1	56	1	50.33	31	— 8	31	— 1.67	6.8
Madison, [Atkins]	21.60	26.52	25.20	24.47	6	52	?	?	31	— 5	31	0.33	8.8
Madison, [King]	23.58	30.71	25.10	26.46	1	64	1	54.33	31	— 8	31	4.00	8.3
Montville	20.34	25.10	21.61	22.35	1	61	1	54.67	31	—10	31	— 5.00	7.2
Mount Union (*g*)	22.23	29.57	23.91	25.24	1	62	1	55.23	31	— 4	31	0.00	----
New Lisbon	22.03	30.29	25.54	25.95	1	61	1	58.67	22	— 4	31	0.67	7.1
North Bend	22.76	30.46	23.76	25.66	1	66	1	57.20	31	— 4 *e*	31	0.67	5.5
Northwood	21.42	27.94	20.90	23.42	1	64	1	56.00	31	— 11	31	— 5.33	6.4
Portsmouth	27.64	37.04	28.61	31.10	1	72	1	65.50	8	4	31	10.33	6.5
Ripley	29.84	-------	31.06	30.45	1	65	1	64.00	23	6	31	10.50	6.8
Rockport	24.58	34.33	28.68	29.20	1	64	1	57.00	31	— 7	31	0.33	----
Savannah	18.87	28.84	20.77	22.83	1	65	1	57.67	8	—20	31	8.33	7.3
Troy	20.26	29.71	21.23	23.73	1	62	1	55.67	8	—15	31	— 4.67	5.5
Urbana	18.77	29.42	20.81	23.00	1	62	1	56.00	8	—10	31	— 5.33	6.6
Welchfield	20.94	27.19	22.35	23.49	1	64	1	54.33	31	— 9	31	— 4.00	7.9
Westerville	23.05	30.94	25.53	26.51	1	64	1	58.33	8	—12	31	0.67	6.5
Windham	22.16	31.90	25.48	26.51	1	61	1	56.00	31	— 5	31	1.20	----

a Same temperature on the 7th.
b Same temperature on the 7th and 8th.
Observations taken at sunrise.
Observation taken at 7 a. m., 2 p. m. and 9 p. m.

e Same temperature on the 8th.
f The records of thermometer at this place are 0°,85 too high.
g Incomplete.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date.	M'n temp.	Date.	Temp.	Date.	Mean temp	
MICHIGAN—	°	°	°	°		°		°		°		°	
Battle Creek (*a*)	16.65	25.39	18.83	20.29	1	60	1	44.67	31	—16	31	— 9.00	6.8
Detroit	19.36	24.78	17.13	20.42	1	69	1	49.67	31	—14	31	— 9.33	6.3
Grand Haven	22.06	25.00	23.77	23.61	1	41	1	34.00	14	7	31	12.00	8.8
Grand Rapids	18.22	26.35	19.71	21.43	1	53	1	37.33	31	— 7	31	1.00	8.3
Marquette	10.66	17.24	13.32	13.74	11	39	17	31.76	7	—19	30	— 7.40	6.7
Monroe, [Bowlsby]	17.97	26.03	20.03	21.34	1	59	1	50.00	31	—12	31	— 4.00	6.3
Monroe, [Whelpley]													5.9
Monroe Piers (*b*)	19.95	25.17	23.09	22.29	1	53.5	1	49.25	31	—13	31	— 6.37	5.1
New Buffalo (*c*)	18.13	?24.20	19.58	20.64	1	48	1	38.00	31	—16	31	—11.00	6.8
Ontonagon (*d*)	8.58	14.84	12.10	11.84	10	35	17	29.00	31	—16	30	— 9.48	6.8
Ottawa Point (*e*)	18.54	23.41	20.97	20.48	1	45	1	36.75	31	— 6	31	0.00	7.1
Thunder Bay Island (*f*)	18.09	20.62	19.16	19.39	1	*g* 36	18	33.50	31	— 5	31	— 0.50	8.0
Ypsilanti	19.95	28.34	23.43	23.91	1	57	1	47.00	8	0	7	9.33	7.2
INDIANA—													
Aurora (*h*)	22.87	33.94	27.42	28.08	1	66	1	60.67	8	—14	31	2.00	
Cannelton	27.28	33.77	28.47	29.84	1	66	1	56.10	23	— 2	7	8.27	6.0
Logansport	20.52	29.10	22.77	24.16	1	61	1	46.00	31	— 7	31	— 4.33	5.9
Michigan City (*i*)	18.97	24.00	24.39	22.00	1	44	1	42.25	13	*j* 2	22	4.50	5.7
New Harmony	24.55	31.65	26.52	27.57	1	66	1	49.00	23	2	31	6.33	5.5
Richmond, [Austin] (*k*)	22.87	33.89		28.38	1	65	1	65.00	8	—10	31	0.00	6.2
Richmond, [Haines]	23.89	33.97	25.77	27.88	1	65	1	57.67	8	— 8	31	0.17	5.4
ILLINOIS—													
Augusta	12.93	24.07	17.87	18.29	10	46	11	35.00	31	—13	31	— 7.00	3.8
Aurora	12.93	22.22	15.68	16.94	11	41	11	33.33	31	—22	31	—16.67	4.7
Batavia, [Mead]	13.26	22.16	15.84	17.10	10	44	17	34.33	31	—22	31	—17.67	5.1
Bruce	11.16	21.09	14.64	15.63	10	44	11	35.00	31	—24	31	—17.33	4.2
Chicago	13.52		14.26	13.89	1	36	5	*l* 31.50	31	—19	31	—17.50	6.2
Edgington	12.06	23.90	15.74	17.23	10	47	11	35.33	31	—18	30	—11.33*m*	4.3
Elgin	12.58	20.61	15.33	16.17	11	42	11	34.00	31	—22	31	—17.00	5.6
Galena													4.4
Lebanon	19.52	29.74	23.58	24.28	1	59	11	39.00	7	— 7	7	2.00	5.7
Manchester (*c*)	16.87	27.54	21.45	21.95	25	50	25	39.67	24	— 5	6	*m* 0.00	4.8
Marengo	13.42	20.90	15.81	16.71	10	45	11	34.00	31	—18	31	—12.33	4.9
Napierville	13.97	21.55	15.48	17.00	9	41	16	35.00	31	—20	31	—15.67	5.6
Ottawa	11.19	21.45	16.77	16.47	9	*n* 41	11	33.00	31	—20	31	—15.00	4.3
Pekin	13.71	23.87	19.81	19.13	9	*n* 42	11	36.00	31	—16	31	— 9.33	5.2
Peoria	14.27	24.80	20.06	19.71	11	43	11	35.67	31	—13	31	— 8.67	4.9
Riley	10.16	21.74	13.13	15.01	17	45	17	34.33	31	—26	31	—19.67	4.7
Sandwich	13.22	22.12	16.87	17.40	1	43	11	37.67	31	—20	31	—15.00	5.3
West Salem	22.48	31.48	24.90	26.29	1	65	1	47.00	31	*o* 0	31	4.67	5.8
West Urbana	17.58	24.26	20.32	20.72	1	48	5	37.67	30	— 9 *m*	31	5.67	5.4
Wheaton	13.56	20.97	16.00	16.84	1	42	11	33.50	31	—21	31	—16.17	5.6
Winnebago	9.90	19.35	13.23	14.16	11	41	11	32.83	31	—26	31	20.00	5.0
MISSOURI													
Cassville	22.35	39.52	26.74	29.54	25	*p* 57	25	48.33	5	— 8	9	10.33	5.2
Paris	15.61	26.48	20.23	20.77	25	57	25	41.00	24	—13	6	3.00	5.1
Rhineland	15.74	30.29	21.83	22.65	25	56	25	44.53	31	—12	6	5.33	4.8
St. Louis, [Engelmann]	21.05	29.02	24.97	25.01	25	48	25	38.67	8	3.5	6	4.00	5.5
St. Louis, [Fendler]	19.61	28.81	23.65	24.02	25	47	25	39.00	7	11	7	2.67	
Stockton	21.81	31.58	22.32	25.24	26	*q* 50	26	44.00	6	— 4	6	1.33	3.5
Warrenton	18.26	31.13	22.71	24.03	25	55	25	44.00	7	— 6	6	1.33	4.4

a Incomplete.
b Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 20.98.
c Observations taken at 7 a. m., 1 p. m., and 9 p. m. Incomplete.
d No observations on the 1st, 2d, and 3d of the month.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 19.01.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 19.72.
g Same temperature on the 6th and 11th.
h Observations taken at 6 a. m., 2 p. m., and 9 p. m.
i Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 20.67.
j Same temperature on the 23d.
k Observations taken at 6 a. m. and 1 p. m.
l Same temperature on the 17th.
m Same temperature on the 31st.
n Same temperature on the 10th.
o Same temperature on the 7th.
p Same temperature on the 26th.
q Same temperature on the 27th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
	7 a. m.	2 p. m.	9 p. m.	Mean.	Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
	°	°	°	°		°		°		°		°	
WISCONSIN—													
Appleton	10.06	19.35	13.74	14.38	10	*a* 38	11	32.67	31	—20	31	—14.00	4.2
Bay City	—1.52	9.06	1.55	3.03	10	32	17	23.33	31	—30	31	—24.67	6.3
Beloit	10.23	20.03	13.23	14.50	11	42	11	33.00	31	—22	31	—17.00	4.0
Delafield	14.57	23.91	18.45	18.98	11	*b* 43	11	37.00	31	—24	31	—17.33	6.1
Green Bay	11.00	22.61	15.65	16.42	11	*b* 43	?	?	31	—19	31	—10.33	4.3
Kenosha	16.03	23.67	19.13	19.61	11	43	11	35.33	31	—16	31	—10.33	4.8
Manitowoc	14.42	23.52	19.23	19.06	10	40	17	33.33	31	—16	31	— 9.33	5.8
Milwaukee, [Lapham]	15.85	22.90	19.68	19.48	11	41	17	35.67	31	—16	31	—11.00	----
Milwaukee, [Larkin]	14.23	-------	17.70	15.96	11	39	17	33.00	31	—20	31	—17.50	3.5
Milwaukee, [Winkler]	13.00	22.35	16.55	17.30	11	42	11	34.00	31	—21	31	—15.00	4.6
Pardeeville	10.00	21.11	14.19	15.10	10	*a* 40	11	35.00	31	—23	31	—15.33	6.0
Platteville	8.06	19.87	12.80	13.58	11	39	11	32.67	31	—24	31	—18.00	4 7
Rocky Run	10.45	19.81	13.71	14.66	11	42	11	36.00	31	—23	31	—16.67	5.6
Superior City, [Stuntz] (*c*)	—1.83	11.84	6.64	4.18	10	37	17	26.25	7	—31	6	—21.50	5.5
Superior, [Mann]	0.44	11.90	3.10	5.15	10	*a* 35	17	26.67	2	—27 *d*	7	—19.33	5.7
Wausau	5.23	19.97	10.58	11.93	10	*e* 46	17	32.33	31	—22	6	—11.33	3.5
IOWA—													
Bellevue	9.07	22.06	13.87	15.03	10	44	10	35.33	31	—21	31	—14.00	4.9
Burlington	15.74	25.74	18.52	20.00	10	47	9	34.00	31	—10	31	0.00	5.5
Dubuque	12.94	22.94	16.35	17.41	10	*a* 44	11	34.67	31	—16	30	—12.67	3.8
Fairfield	13.52	24.73	17.64	18.63	10	51	10	37.00	6	—12	?	?	4.5
Fayette Village	5.99	17.50	10.90	11.46	10	43	----	?	31	—25	31	— 8.33	4.6
Fort Madison (*f*)	12.19	21.77	18.35	17.47	11	*b* 41	12	34.00	31	—15	31	— 9.00	4.1
Franklin	8.65	20.00	12.77	10.47	10	46	10	33.33	30	—20 *g*	30	—16.00	3.8
Muscatine	9.61	21.42	13.81	14.95	10	46	10	34.33	31	—22	31	—16.00	3.6
Pleasant Plain	9.90	22.51	13.22	15.21	10	47	10	34.00	31	—22	31	—13.33	4.0
Rossville	7.24	17.06	10.76	11.69	10	41	10	32.07	31	—23	31	—18.50	3.6
MINNESOTA—													
Beaver Bay, [Clark]	2.48	11.68	5.48	6.55	10	34	17	27.00	7	—22 *g*	6	—17.83 *g*	2.8
Beaver Bay, [Wieland]	3.29	10.58	0.48	2.59	10	36	18	24.33	7	—35	30	—23.67	5.0
Burlington	1.55	13.55	5.29	6.80	10	38	10	28.67	2	—28	6	—20.33	5.1
Chatfield	2.77	15.29	7.23	8.43	10	45	10	31.33	31	—24	30	—19.33	4.6
Forest City	0.06	12.23	4.45	5.58	10	40	10	30.00	2	—27	30	—20.00	2.6
Hazlewood	1.52	8.96	4.93	5.14	10	34	10	32.00	6	—24	31	—20.00	3.8
Princeton	1.65	12.13	4.45	6.08	10	43	10	31.00	7	—31	6	—23.33	3.9
DAKOTAH TERRITORY—													
Greenwood	4.90	28.71	8.71	14.11	9	64	9	40.00	2	—22 *g*	5	—14.33	2.8
NEBRASKA—													
Bellevue	9.92	22.70	14.64	15.75	11	56	11	39.00	31	—15	31	—12.33	3.4
Deer Creek	12.37	25.10	17.48	18.32	11	41	25	36.83	2	—26	5	—20.50	?
Elkhorn	3.97	20.19	10.55	11.57	10	55	10	37.76	31	—28	31	20.33	4.0
Nebraska City	10.58	21.82	15.70	16.03⅓	10	52	10	39.03⅓	31	—15	31	—11.90	4.2
Omaha, [Rain]	7.13	20.19	12.17	13.16	25	*h* 42	11	33.00	31	—22	31	—17.33	4.0
KANSAS—													
Burlingame	14.32	28.74	19.80	20.95	9	54	9	*i* 38.67	22	— 4 *j*	5	0.67	2.8
Leavenworth City	-------	-------	-------	-------	---	------	---	-------	----	-------	---	-------	2.7
Lecompton	16.52	32.00	20.06	22.86	9	62	25	45.33	5	— 6	6	0.00	3.4
Manhattan	14.23	31.32	19.19	21.58	9	62	9	41.67	6	— 8	5	— 4.67	1.2
Neosho Falls	15.00	33.00	18.97	22.32	25	62	26	43.00	22	— 7 *k*	31	5.00	2.7
Wyandott City	15.16	28.61	21.96	21.91	9	49	11	37.33	6	— 6 *l*	6	3.67	4.0
UTAH—													
Great Salt Lake City	19.00	26.00	21.00	22.00	----	38	----	-------	----	—22	----	-------	----
CALIFORNIA—													
Auburn	-------	-------	-------	55.16	----	------	----	-------	----	-------	----	-------	2.8
Downieville	28.38	43.16	31.29	34.25	18	52	18	45.66	6	19	5	23.00	----
Monterey	43.90	58.53	45.61	49.35	11	72½	24	57.87	29	32	29	41.38	----

a Same temperature on the 11th.
b Same temperature on the 16th.
c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 0.06.
d Same temperature on the 7th.
e Same temperature on the 17th.
f Observations taken at 6 a. m., noon, and 7 p. m.
g Same temperature on the 31st.
h Same temperature on the 9th and 10th.
i Same temperature on the 10th.
j Same temperature on the 5th, 6th, and 7th.
k Same temperature on the 6th and 7th.
l Same temperature on the 20th.

No. 25.—THERMOMETER AND FACE OF SKY, DECEMBER, 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG		WARMEST DAY.		LOWEST DEG.		COLDEST DAY.		
					Date.	Temp.	Date	M'n temp.	Date.	Temp.	Date.	Mean temp.	
CALIFORNIA—Continued.	°	°	°	°		°		°		°		°	
Sacramento	39.48	47.26	43.81	43.52	1	*a* 53	1	50.33	6	*c* 34	22	37.33	4.1
San Francisco	45.26	53.03	48.26	48.85	18	*d* 60	18	55.00	22	38	22	42.33	3.0
Santa Clara	39.52	54.52	44.74	46.26	18	63	18	56.50	7	31	29	40.33	3.7
Union Ranche	36.22	51.45	41.13	42.93	18	64	18	54.00	6	29	29	37.33	3.5
MEXICO—													
Cordova (*e*)	62.35	65.30	62.92	63.80	1	*f* 72.3	----	-------	10	58.3	----	-------	----
Mirador (*g*)	57.48	66.15	58.61	60.75	29	78	2	67.60	10	49	20	54.80	6.5
WEST INDIES—													
St. George's, Bermuda (*h*)	-------	-------	-------	65.6	----	74.4	----	-------	----	61	----	-------	----
Turk's Island	74.94	77.80	76.00	76.28	1	*i* 80	1	*j* 78.00	11	73	11	*k* 74.33	----
CENTRAL AMERICA—													
Guatemala (*l*)	-------	-------	-------	61.52	29	76.3	----	-------	12	*a* 46.8	----	-------	----
SOUTH AMERICA—													
Catharina Sophia, Sur., (*m*)	73.70	85.20	79.20	79.50	9	*a* 88	7	81.67	14	71	19	78.00	4.5

a Same temperature on the 11th.
b Same temperature on the 24th.
c Same temperature on the 29th.
d Same temperature on the 10th and 11th.
e Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 9 p. m. Mean at 12 m., 64.49; mean at 6 p. m., 64. Same temperature on the 2d.
g Observations taken at 7 a. m., 2 p. m., and 8 p. m.
h Observations taken at 3¼ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
i Same temperature on the 14th, 17th, 23d, and 30th.
j Same temperature on the 2d, 14th, and 17th.
k Same temperature on the 12th and 25th.
l Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.
m Observations taken at 6 a. m., 2 p. m., and 6 p. m.

No. 26.—PSYCHROMETER, JANUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.065	.087	.076	20	.183	10	*a*.006	78	78	81	51	45	65
St. Martin (*b*)	.069	.101	.075	1	.216	10	.000	80	80	80	47	63	52
Toronto (*b*)	.135	.123	.124	20	.228	10	.008	90	73	81	59	52	63
Windsor	.109	.126	.114	22	.375	11	.020	84	80	84	57	43	67
Wolfville	.109	.128	.121	21	.419	13	.024	86	85	90	57	51	73
MAINE—													
Portland	.099	.102	.101	21	.257	11	.016	88	72	85	51	10?	63
Steuben	.100	.110	.103	21	.267	12	*c*.000?	88	77	86	49	0?	0?
VERMONT—													
Burlington	.102	.119	.104	20	.289	10	.012	85	79	84	58	52	44
Woodstock	.090	.093	.101	21	.246	11	.008	94	76	89	?	53	64
MASSACHUSETTS—													
Amherst	.113	.136	.123	21	.283	11	.018	95	83	90	67	57	69
Bridgewater (*b*)	.135	.166	.157	21	.419	11	.019	92	86	92	68	32	72
Cambridge								92	84	87	78	72	76
Lawrence	.103	.130	.115	21	.334	10	.006	76	70	78	20	34	49
Nantucket	.149	.156	.153	21	.335	10	.031	74	64	76	44	30	46
New Bedford	.140	.156	.151	21	.367	11	.026	88	78	90	54	40	74
Westfield	.103	.121	.118	21	.276	11	.007	82	66	85	38	32	62
Worcester	.135	.151	.137	21	.332	10	.031	82	76	83	48	40	50
RHODE ISLAND—													
Providence (*d*)													
CONNECTICUT—													
Middletown	.122	.135	.130	21	.333	11	.021	93	73	90	70	41	64
Pomfret	.127	.149	.140	21	.348	10	.033	95	88	92	77	62	75
Wallingford	.115	.131	.126	21	.311	10	.023	91	72	90	58	30	62
NEW YORK—													
Buffalo (*b*)	.135	.132	.136	14	.289	23	.033	75	69	64	43	45	47
Clinton	.097	.112	.099	7	.236	10	.006	68	61	64	49	32	33
Fordham	.128	.144	.136	7	.293	13	*e*.000	68	60	71	0	0	37
Fort Edward	.096	.129	.117	21	.299	10	.004	80	78	84	35	33	26
New York city	.138	.157	.143	28	.375	11	.000	78	67	71	27	0	20
PENNSYLVANIA—													
Berwick	.140	.153	.146	21	.363	24	.048	84	69	80	70	41	56
Carlisle	.114	.138	.122	28	.310	10	.015	73	62	71	37	44	39
Chambersburg	.324	.343	.356	21	.489	24	.194	64	61	69	48	43	49
Chromedale	.209	.210	.183	21	.454	9	.000	81	74	76	0	?	?
Easton (*b*)	.128	.128	.138	21	.375	10	.000	79	59	79	53	0	45
Harrisburg, [Hickok]	.120	.128	.123	21	.363	9	.000	71	57	67	24	0	36
Lewisburg	.121	.129	.118	21	.336	10	.026	84	64	74	50	43	15
Linden (*b*)	.137	.156	.146	28	.266	10	.029	94	79	94	70	49	64
Murrysville	.099	.114	.106	7	.322	22	.005	68	51	61	26	5	23
Norristown	.147	.157	.148	21	.376	9	.034	83	66	75	57	35	33
Philadelphia	.153	.165	.158	28	.390	11	.028	82	64	79	58	35	61
Somerset	.138	.184	.143	28	.418	10	.023	93	80	89	80	36	46
Westtown	.151	.189	.157	28	.403	10	.026	89	80	86	68	55	67
MARYLAND—													
Annapolis	.160	.183	.179	28	.429	10	.039	86	67	79	59	46	51
Baltimore	.139	.150	.139	28	.426	11	.013	66	50	63	19	25	33
Chestertown	.142	.142	.138	21	.431	22	*e*.000	66	46	57	24½	0	7½
Frederick	.134	.160	.143	21	.375	10	.031	78	66	75	55	43	52
DISTRICT OF COLUMBIA—													
Washington	.153	.164	.162	28	.410	10	.022	74	56	69	35	36	40
NORTH CAROLINA—													
Murfreesborough	.257	.340	.307	21	.678	11	.094	98	92	96	89	81	88
SOUTH CAROLINA—													
All Saints	.263	.300	.288	21	.604	24	.081	86	66	84	51	36	48

*The maxima, being generally 100, or complete saturation, are omitted in this table.

a Same amount on the 11th.
* For changes in hour of observation, &c., see table of the the[illegible] for the month.
c Same amount on the 30th.
d Mean relative humidity for the month, 60
e Same amount on the 23d.

No. 26.—PSYCHROMETER, JANUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
SOUTH CAROLINA—Continued.	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches.*						
Columbia, [Barton]	.233	.231	.239	28	.549	23	.051	85	54	75	57	4	21
Columbia, [White]	.206	.298	.223	21	.644	8	.089	83	79	81	62	39	62
St. John's (*a*)	.273	.356	.286	21	.618	24	.096	88	74	82	64	45	54
GEORGIA—													
Athens	.211	.236	.227	28	.540	8	.055	85	61	79	56	31	51
Augusta	.250	.308	.318	21	.623	8	.076	71	64	70	40	44	55
Savannah	.280	.313	.306	21	.629	23	.069	81	63	76	49	29	46
FLORIDA—													
Jacksonville	.334	.448	.371	21	.731	8	*b*. 129	84	78	84	51	55	61
Micanopy	.358	.461	.416	21	.731	?	?	97	69	93	?	?	?
ALABAMA—													
Greensborough (*a*)	.218	.268	.241	----	?	----	?	86	65	80	?	?	?
Selma	.086	.272	.272	21	.536	23	.082	89	67	78	62	38	49
MISSISSIPPI—													
Columbus	.201	.225	.234	20	.530	23	.062	86	59	80	57	35	52
Paulding	.279	.338	.321	20	.648	24	.023	87	70	74	65	41	8
TEXAS—													
Austin, [Van Nostrand]	.235	.224	.242	20	.490	21	.057	89	44	68	52	10½	34
Larissa	.250	.312	.277	20	.577	23	.091	85	69	79	71	47	64
Sisterdale	.194	.209	.197	----	------	----	------	80	46	73	------	------	------
TENNESSEE—													
Glenwood	.152	.163	.169	20	.452	22	.047	82	54	71	50	23	37
La Grange	.189	.228	.211	20	.483	23	.075	87	68	79	45	41	50
Memphis	.199	.220	.223	27	.537	22	.005	60	64	79	71	34	5
KENTUCKY—													
Bardstown	.143	.161	.157	27	.378	22	.024	81	61	76	58	31	47
Louisville (*a*)	------	.160	------	27	.388	22	.036	------	61	------	------	34	------
Springdale (*a*)	.143	.188	.181	27	*c*. 368	8	.042	95	74	86	78	52	55
OHIO—													
Avon	.130	.135	.143	14	.316	8	.033	80	65	76	53	23	51
Cincinnati	.141	.259	.159	14	.452	8	.036	76	79	72	53	53	59
Hillsborough	.127	.140	.143	20	.374	23	.032	81	66	77	52	33	44
Montville	.128	.141	.140	20	.403	23	.030	85	72	80	51	40	52
Savannah	.117	.151	.131	20	.361	10	.028	83	76	79	56	54	55
Westerville	.137	.170	.162	20	.382	8	.030	82	75	85	59	45	51
MICHIGAN—													
Detroit	.119	.137	.118	20	.273	10	*d*. 000	71	65	64	29	0	0
Marquette	.080	.101	.082	18	.177	22	.008	79	74	77	43	16	51
Ottawa Point (*e*)	.123	.123	.130	19	.212	10	.026	96	89	89	69	62	67
Thunder Bay Island (*f*)	.102	.114	.107	20	.197	22	.018	77	79	76	45	57	51
Ypsilanti	.128	.130	.131	20	.243	10	.026	96	70	81	48	31	52
INDIANA—													
New Harmony	.158	.185	.182	20	.388	22	.052	92	73	93	79	38	58
Richmond	.116	.129	.141	27	.309	22	.036	73	59	72	52	28	37
ILLINOIS—													
Augusta	.114	.136	.127	27	.282	22	.029	86	67	81	58½	25½	50
Batavia, [Mead]	.138	.169	.143	27	.304	31	.072	81	76	80	64	57	49
Manchester (*a*)	.136	.202	.150	27	.376	7	*g*. 031	99	90	99	87	71	80
Peoria	.111	.124	.123	26	.244	22	.014	78	59	75	57	22	49
Wheaton	.109	.118	.112	13	.225	8	.026	89	70	84	57	31	48
MISSOURI—													
St. Louis, [Engelmann]	.142	.157	.145	27	.344	22	.028	83	62	76	54	37	45
WISCONSIN—													
Appleton	.082	.126	.099	20	.244	8	*g*. 000	63	75	71	0	43	37
Madison	.089	.107	.098	27	.204	----	?	80	76	80	56	38	?
Waukesha	.083	.107	.106	12	.209	8	*h*. 000	63	63	69	0	34	0

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 23d.
c Same amount on the 20th.
d Same amount on the 22d and 23d.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .121; mean relative humidity, 96.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .096; mean relative humidity, 74.
g Same amount on the 22d.
h Same amount on the 19th.

No. 26.—PSYCHROMETER, JANUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches*						
Iowa—													
Fairfield	.096	.104	.095	27	.218	22	.003	72	54	64	10	11	26
Sioux City	.070	.147	.092	23	.310	21	.000	70	69	73	10	30	0
Minnesota—													
Beaver Bay, [Clark]	.071	.100	.087	19	.155	21	.017	84	82	94	57	61	76
Kansas—													
Leavenworth City, [McCarty]	.129	.148	.141	19	.282	7	.021	85	69	82	62	39	56
Mexico—													
Mirador (*a*)	.963	1.110	1.146	28	1.545	5	.490	------	------	------	------	------	------
Vera Cruz (*b*)	.572	------	.582	----	------	----	------	81	7	79	------	------	------
California—													
Sacramento	.212	.243	.239	18	.362	26	.120	81	72	81	54	32	51
West Indies—													
St. George's, Bermuda (*c*)	------	------	------	?	.630	?	.234	------	------	------	------	------	------
Central America—													
Guatemala (*d*)	.363	.348	.392	----	------	----	------	57.5	47	83	------	----	------
South America—													
Catharina Sophia, Surinam (*b*)	.778	.875	.876	11	.977	1	.658	92	73	87	90	65	75
Eastern Continent—													
Jerusalem, Palestine	.233	.266	.234	13	.374	11	.102	82	70	78	58.5	20	40

a Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Mean force of vapor, .445; mean relative humidity, 78; minimum humidity, 39.

d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean force of vapor at 6 a. m., .405; mean relative humidity at 6 a. m., 92.

No. 27.—PSYCHROMETER, FEBRUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA—	*Inches.*	*Inches*	*Inches.*		*Inches.*		*Inches.*						
Montreal	.078	.116	.093	27	.229	11	.001	71	81	78	2	51	39
St. Martin (*a*)	.062	.114	.086	20	.261	13	.010	75	78	82	57	62	65
Toronto (*a*)	.115	.115	.121	20	.245	10	.045	86	69	81	63	46	47
Windsor	.106	.125	.114	4	.305	8	.024	85	76	83	65	42	67
Wolfville	.101	.137	.115	4	.311	11	.024	81	81	90	29	45	61
MAINE—													
Portland	.097	.118	.110	16	.209	25	.042	87	68	78	54	40	52
Steuben	.096	.113	.119	20	.238	10	.000?	85	68	88	52	0?	33
VERMONT—													
Burlington	.102	.114	.102	20	.235	10	.027	86	68	74	56	43	48
MASSACHUSETTS—													
Amherst	.117	.141	.126	20	.259	11	.050	92	76	84	73	52	54
Cambridge	------	------	------	------	------	------	------	93	85	89	80	70	76
Lawrence	.107	.132	.119	20	.265	11	.030	77	71	79	34	36	48
Nantucket	.155	.137	.163	3	*b*. 286	7	*b*. 000?	74	55	79	49	0?	58
New Bedford	.154	.168	.161	9	*c*. 289	25	.064	91	78	94	56	40	63
Westfield	.103	.118	.123	20	.257	25	.077	81	63	82	59	35	50
Worcester	.128	.148	.133	20	.292	13	.059	83	71	84	56	38	62
RHODE ISLAND—													
Providence (*d*)	------	------	------	------	------	------	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.129	.135	.136	20	.266	10	.018	90	64	87	59	37	61
Pomfret	.131	.144	.133	20	.278	16	.000	94	81	87	65	0	66
Wallingford	.120	.130	.129	20	.257	25	.051	87	66	82	47	36	57
NEW YORK—													
Buffalo (*a*)	.126	.143	.140	19	.285	10	.063	75	72	79	56	51	64
Fordham	.106	.129	.119	20	.361	10	.000	60	59	64	33	22	0
Fort Edward	.098	.129	.117	20	.248	11	.026	89	73	90	60	51	53
New York city	.147	.156	.135	20	.387	14	.000	79	64	65	36	32	0
Schenectady	.119	.137	.127	28	.216	25	.040	90	77	84	56	53	66
PENNSYLVANIA—													
Berwick	.128	.158	.144	20	.321	5	.054	81	68	83	58	41	61
Carlisle	.132	.150	.136	24	.247	5	.040	74	64	73	46	41	46
Chambersburg	.341	.371	.378	19	*e*. 476	21	.210	66	62	62	49	52	41
Chromedale	.210	.218	.217	20	.427	4	.047	90	79	90	50	16	43
Easton (*a*)	.129	.131	.133	20	.261	11	.043	69	59	75	48	31	45
Harrisburg, [Hickok]	.130	.140	.133	20	.244	10	.044	72	58	68	37	31	26
Lewisburg	.121	.140	.127	20	.233	1	.000	80	61	74	0	33	24
Murrysville	.109	.132	.126	19	.436	5	.030	64	53	66	34	20	29
Norristown	.129	.149	.114	18	.222	11	.055	75	66	79	33	34	48
Philadelphia	.152	.166	.158	20	.404	11	.070	79	65	74	44	31	46
Somerset	.164	.183	.156	20	.449	10	.074	97	77	90	74	44	69
Westtown	.150	.185	.168	20	.418	11	.068	89	80	89	59	48	61
MARYLAND—													
Annapolis	.174	.193	.197	20	.449	5	.090	86	68	79	48	42	54
Baltimore	.153	.158	.155	20	.405	5	.054	69	55	66	31	26	32
Chestertown	.137	.152	.141	20	.395	26	.000	62	54	52	0	15	27
Frederick	.159	.179	.163	20	.348	5	.071	81	67	75	52	40	47
DISTRICT OF COLUMBIA—													
Washington	.174	.180	.172	20	.390	10	.071	80	62	71	36	34	33
NORTH CAROLINA—													
Murfreesborough	.275	.371	.316	20	.668	1	*f*. 153	98	89	94	91	77	81
SOUTH CAROLINA—													
All Saints	.301	.373	.335	18	.628	1	.129	90	70	86	66	29	49
Columbia, [Barton]	.273	.288	.392	20	.579	20	.019	84	59	78	45	15	7
Columbia, [White]	.311	.434	.370	19	.812	2	.106	92	88	93	58	70	70
St. John's (*a*)	.260	.307	.298	20	.621	1	.123	88	69	81	73	51	44

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 15th.
c Same amount on the 20th.
d Mean relative humidity, 59.
e Same amount on the 24th.
f Same amount on the 11th.

No. 27.—PSYCHROMETER, FEBRUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
GEORGIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Athens	.271	.271	.286	18	.564	4	.100	87	58	78	59	21	32
Savannah	.328	.363	.356	28	.602	21	.091	85	59	78	44	19	39
FLORIDA—													
Jacksonville	.384	.533	.431	28	.785	4	.152	87	75	84	73	55	44
ALABAMA—													
Greensborough (*a*)	.343	.323	.298	26	.671	10	.111	86	58	77	62	28	41
Selma	.336	.323	.352	25	.559	10	.130	85	59	75	56	32	43
MISSISSIPPI—													
Columbus	.298	.333	.332	17	.641	10	.079	84	64	83	60	37	49
Paulding	.331	.429	.438	18	.690	4	.160	89	69	79	64	45	30½
TEXAS—													
Austin, [Palm] (*b*)	.472	.426	.496	24	.639	20	.071	84	54	78	41	15	34
Austin, [Van Nostrand]	.387	.382	.379	19	.672	2	.097	87	55	69	48	12	34
Larissa	.366	.421	.406	19	.705	3	.000	82	67	79	22	0	64
Sisterdale	.343	.330	.339	18	.611	2	.067	82	49	72	35	9	28
TENNESSEE—													
Glenwood	.227	.249	.253	19	.542	10	.071	82	66	80	58	25	52
La Grange	.276	.314	.301	18	.615	6	.101	85	72	82	62	41	53½
Memphis	.280	.308	.301	25	.662	10	.096	90	70	82	62	42	35
KENTUCKY—													
Bardstown	.191	.230	.220	19	.595	10	.067	84	70	78	65	38	45
Louisville (*a*)	------	.219	------	19	.595	4	.073	------	66	------	------	33	------
Springdale (*a*)	.192	.238	.243	19	.733	7	.065	93	77	85	54	36	54
OHIO—													
Avon	.138	.154	.154	19	.479	14	.000	77	64	78	56	0	47
Cincinnati	.176	.279	.213	19	.583	4	.067	80	77	77	67	39	49
Hillsborough	.157	.175	.183	19	.556	5	.063	83	69	79	54	34	43
Montville	.137	.160	.161	19	.483	11	.065	86	75	87	45	44	51
Savannah	.126	.180	.157	19	.418	7	.032	85	82	88	59	56	75
Westerville	.157	.182	.183	19	.493	7	.055	90	74	85	57	30	42
MICHIGAN—													
Detroit	.121	.144	.110	16	.228	7	.020	71	65	63	32	39	29
Marquette	.078	.106	.081	21	.218	5	.000	77	68	70	35	16	0
Ottawa Point (*c*)	.109	.142	.126	23	.222	11	*d*.022	83	81	80	67	71	64
Thunder Bay Island (*e*)	.097	.110	.103	22	.178	4	.019	72	75	73	49	45	45
Ypsilanti	.120	.130	.133	19	.383	10	.048	86	63	76	53	37	51
INDIANA—													
New Harmony	.193	.235	.228	19	.706	10	.065	93	74	90	61	47	70
Richmond	.141	.155	.171	19	.481	10	.058	79	63	77	58	23	44
ILLINOIS—													
Augusta	.131	.168	.148	19	.500	9	.029	84	69	82	56	40	52
Batavia	.118	.153	.139	19	.509	14	.006	85	71	84	52	2	45
Manchester (*a*)	.161	.239	.182	19	.604	4	*f*. 044	100	90	99	100	65	83
Peoria	.131	.152	.140	19	.492	10	*d* 027	75	58	72	49	33	42
Wheaton	.121	.140	.132	19	.490	13	.028	88	69	87	68	42	63
MISSOURI—													
St. Louis	.171	.195	.192	19	.502	9	.047	81	62	78	55	29	53
WISCONSIN—													
Appleton	.100	.166	.108	22	.437	9	*f*.020	72	78	72	39	53	49
Madison	.103	.115	.104	19	.323	28	.003	77	66	71	38	33	2
IOWA—													
Fairfield	.096	.100	.102	19	.391	16	.000	65	53	66	26	0	42
MINNESOTA—													
Beaver Bay	.070	.103	.087	17	.199	10	.014	96	83	92	72	59	68
KANSAS—													
Lawrence (*a*)	.240	.286	.278	19	.449	20	.131	53	43	52	37	29	38

a For changes in hours of observation, &c., see table of the thermometer for this month.

b For the last 14 days of the month only.

c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .103; mean relative humidity, 81.

d Same amount on the 13th.

e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., 091; mean relative humidity, 72.

f Same amount on the 10th.

No. 27.—PSYCHROMETER, FEBRUARY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
CALIFORNIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Sacramento	.259	.316	.290	6	.436	22	.173	81	75	80	65	66	60
San Francisco	.287	.286	.294	6	.442	21	.181	84	66	82	75	43	64
MEXICO—													
Mirador (*a*)	1.091	1.217	1.329	14	1.660	8	.640	------	------	------	------	------	------
Vera Cruz (*b*)	.667	------	.734	----	------	----	------	80	------	83	------	------	------
WEST INDIES—													
St. George's, Bermuda (*c*)	------	------	------	?	.676	?	.262	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*d*)	.398	.369	.422	----	------	----	------	57.5	44	82.5	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.782	.836	.836	4	.945	20	.658	90	70	84	81	62	74
EASTERN CONTINENT—													
Jerusalem, Palestine	.261	.305	.263	10	.423	4	.134	79	67	78	43	32½	33

a Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Mean force of vapor, .479; mean relative humidity, 82; minimum, 48.

d Mean force of vapor at 4 a. m., .409; mean relative humidity at 4 a. m., 91. Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m.

No. 28.—PSYCHROMETER, MARCH, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches	*Inches.*	*Inches.*		*Inches*		*Inches*						
BRITISH AMERICA—													
Montreal	.154	.206	.173	18	.348	2	.020	84	84	86	43	54	45
St. Martin (*a*)	.122	.199	.152	29	.309	2	.013	82	80	85	69	54	71
Toronto (*a*)	.161	.171	.173	18	.357	2	.049	85	68	77	68	39	54
Windsor	.151	.172	.160	26	.354	2	.024	88	74	87	65	49	68
Wolfville	.158	.194	.162	19	*b* .322	2	.035	85	79	85	51	45	52
MAINE—													
Portland	.140	.158	.159	19	.265	3	.033	80	68	79	56	36	46
Steuben	.138	.166	.161	31	.286	2	.015	78	72	85	29	28	14
VERMONT—													
Burlington	.153	.168	.186	28	.338	1	.020	82	67	71	32	20	45
MASSACHUSETTS—													
Amherst	.161	.191	.175	18	.406	2	.050	86	66	78	54	29	50
Bridgewater (*a*)	.197	.190	------	17	.520	2	.052	78	61	------	39	18	------
Cambridge	------	------	------	----	------	----	------	91	83	84	74	62	64
Lawrence	.149	.179	.178	18	.390	2	.025	70	64	77	39	34	29
Nantucket	.187	.199	.192	18	.335	2	.049	74	63	76	39	33	47
New Bedford	.192	.202	.198	18	.483	2	.071	84	68	86	51	22	42
Westfield	.143	.169	.181	18	.398	1	.038	75	58	79	45	17	51
Worcester	.173	.219	.197	17	.446	2	.051	82	67	77	59	38	57
RHODE ISLAND—													
Providence (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.176	.176	.186	29	.403	10	.000	83	52	76	52	0	45
New Haven	.158	.198	.177	18	*d* .388	19	.014	66	60	69	38	19	26
Pomfret	.176	.220	.189	18	*b* .403	2	*e* .057	88	78	84	62	29	50
Wallingford	.175	.182	.187	19	.418	2	.048	83	56	77	53	16	50
NEW YORK—													
Buffalo (*a*)	.184	.199	.194	18	.362	2	.065	77	69	72	59	30	49
Clinton	.150	.184	.165	29	.362	1	.036	74	65	74	42	34	50
Fordham	.220	.238	.218	----	?	----	?	86	67	8	?	?	?
Fort Edward	.153	.196	.169	29	.388	1	.034	81	69	76	55	42	43
New York	.182	.216	.186	18	.419	2	.036	69	57	61	36	28	21
Saratoga	.313	.372	.350	15	.618	3	.152	68	63	62	26	26	21
Schenectady	.161	.202	.188	18	.427	3	.047	84	70	83	65	49	67
PENNSYLVANIA—													
Berwick	.198	.219	.200	18	.491	2	.082	78	59	71	53	34	19
Carlisle	.182	.209	.232	18	.522	2	.064	70	54	67	45	25	37
Chambersburg	.394	.398	.422	24	.550	21	.112	68	64	66	55	19	39
Easton (*a*)	.174	.182	.185	18	.410	2	.047	68	51	69	37	23	31
Harrisburg, [Hickok]	.175	.192	.199	18	.497	31	.032	66	50	63	28	15	11
Lewisburg	.177	.171	.185	18	.444	2	*f* .060	79	48	69	43	15	25
Linden (*a*)	.201	.211	.209	12	.491	1	.069	84	59	71	53	20	38
Murrysville	.149	.173	.172	18	*g* .376	31	.047	59	43	64	27	10	31
Norristown	.189	.209	.199	18	.549	31	.058	69	54	66	21	20	40
Philadelphia	.207	.227	.222	18	.549	2	.085	74	50	66	45	23	38
Somerset	.200	.246	.209	24	.429	2	.082	91	69	81	65	49	54
Westtown	.211	.252	.230	18	.565	1	.077	83	63	79	50	39	45
MARYLAND—													
Annapolis	.234	.257	.272	29	.490	2	.070	83	59	72	51	29	44
Baltimore	.200	.197	.222	18	.502	23	.005	62	42	59	30	1	32
Chestertown	.201	.197	.210	18	.509	23	.000	65	42	57	28	0	32
Frederick	.215	.242	.238	18	.483	2	.078	79	58	73	53	29	46
DISTRICT OF COLUMBIA—													
Washington	.226	.234	.237	18	.522	31	.057	73	51	65	37	12	40
NORTH CAROLINA—													
Murfreesborough	.364	.485	.420	29	.705	2	.199	93	83	91	83	71	83

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 29th.
Mean relative humidity for the month, 59.
d Same amount on the 30th.
e Same amount on the 3d.
f Same amount on the 31st.
g Same amount on the 24th.

No. 28.—PSYCHROMETER, MARCH, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 a. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches*						
All Saints	.400	.436	.419	29	.785	19	.142	87	68	81	51	30	39
Columbia, [Barton]	.308	.326	.329	7	.631	6	.081	76	49	68	21	16	24
Columbia, [White]	.401	.587	.488	29	.963	19	.216	90	89	92	71	45	82
St. John's (*a*)	.402	.408	.389	29	.745	18	*b* .156	88	63	79	70	32	43
Georgia—													
Athens	.293	.311	.315	7	.603	25	.104	79	55	69	46	22	26
Augusta	.355	.411	.446	29	.717	19	.160	67	59	69	43	38	54
Savannah	.429	.424	.418	30	.772	19	.107	84	60	73	43	22	39
Florida—													
Jacksonville	.545	.622	.523	30	.877	20	.251	88	77	87	66	61	54
Micanopy	.526	.610	.535	29	.950	19	.225	89	66	91	56	38	74
Alabama—													
Greensborough	.311	.298	.325	24	.618	18	.047	82	51	71	53	13	33½
Moulton	.297	.277	.296	23	.516	19	.124	69	56	65	46	27	44
Selma	.364	.316	.368	14	.639	31	.137	87	56	71	63	24	47
Mississippi—													
Columbus	.331	.342	.351	23	.646	18	.119	84	58	76	54	32	47
Texas—													
Austin, [Palm]	.327	.258	.296	23	.685	13	.099	73	32	56	30	5	1
Austin, [Van Nostrand]	.352	.281	.308	24	.671	13	.044	80	34	57	44	8	7
Larissa	.371	.453	.403	28	1.023	14	.169	78	65	77	65	42	53
Sisterdale	.297	.211	.268	23	.590	10	.000	74	26	57	9	6	0
Tennessee—													
Glenwood	.248	.243	.254	14	.487	4	.065	75	49	66	26	12	27
La Grange	.272	.313	.294	22	.651	18	.139	72	57	66	44	31	41
Memphis	.283	.305	.317	22	.583	8	.061	76	56	70	19	18	30
Kentucky—													
Bardstown	.235	.268	.220	23	.559	26	*c* .000	74	55	62	47	0	0
Louisville (*a*)	------	.253	------	23	.554	31	.102	------	48	------	------	20	------
Springdale (*a*)	.231	.290	.274	21	.476	2	.120	84	64	71	58	31	38
Ohio—													
Avon	.216	.237	.192	16	.543	13	.092	75	66	70	39	28	30
Cincinnati, [Harper]	.251	.422	.265	22	.785	31	.130	76	65	66	45	43	41
Hillsborough	.200	.215	.196	7	.398	31	.069	72	52	57	39	19	18
Montville	.202	.227	201	24	.420	30	.098	78	64	71	53	33	39
Savannah	.214	.279	.239	28	.497	2	.084	84	74	86	52	31	71
Westerville	.212	.235	.229	21	.405	2	.071	81	57	72	46	33	41
Michigan—													
Detroit	.138	.153	.133	27	.376	14	.053	66	47	66	31	15	34
Marquette	.127	.146	.136	23	.242	1	.034	79	72	79	45	35	42
Ottawa Point (*d*)	.161	.196	.177	23	.336	2	.057	81	79	80	63	64	70
Thunder Bay Island (*e*)	.148	.156	.154	24	.233	1	.048	78	78	78	62	68	67
Ypsilanti	.173	.176	.167	11	.365	22	.067	81	55	68	54	15	48
Indiana—													
New Harmony	.252	.277	.275	23	.532	29	.138	80	59	75	53	36	45
Illinois—													
Augusta	.179	.227	.216	23	.455	19	.091	79	63	75	39	29	39½
Batavia, [Mead]	.189	.214	.200	23	.478	5	.000	85	64	80	68	0	58
Manchester (*a*)	.246	.304	.277	23	.591	19	.141	100	77	95	92	55	79
Peoria	.175	.191	.202	23	.416	30	.086	69	49	70	47	22	43
Upper Alton (*f*)	.292	.351	.267	23	.717	19	.135	82	80	74	47	58	69
Wheaton	.177	.185	.187	23	.359	25	*g* .090	83	61	78	57	29	58
Missouri—													
St Louis	.201	.217	.228	28	.473	31	.038	68	49	65	45	8	35½
Wisconsin—													
Appleton	.157	.191	.167	23	.376	1	.067	76	71	77	37	28	49

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 19th.
c Same amount on the 23d.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .145. Mean relative humidity, 81.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .135. Mean relative humidity 77.
f For the last 22 days of the month only.
g Same amount on the 30th.

No. 28.—PSYCHROMETER, MARCH, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
WISCONSIN—Continued.	*Inches.*	*Inches*	*Inches*		*Inches*		*Inches*						
Madison	.161	.163	.....	23	.340	24	.012	81	61	76	60	29	4
Waukesha	.151	.170	.149	17	.260	21	.025	71	56	67	9	8	10
IOWA—													
Fairfield	.150	.167	.169	23	.396	4	*a*.082	66	50	65	46	21	26
Muscatine	.230	.237	.242	23	.439	1	.142	86	80	81	70	54	52
MINNESOTA—													
Beaver Bay, [Clark]	.132	.146	.141	21	.204	25	.022	87	80	89	57	52	65
Beaver Bay, [Wieland]	.134	.189	.145	21	.289	27	.040	95	86	94	58	81	78
KANSAS—													
Lawrence	.224	.243	.263	5	.487	22	.097	57	50	51	29	29	34
CALIFORNIA—													
Sacramento	.234	.267	.272	25	.410	28	.078	73	61	71	42	19	44
San Francisco	.229	.249	.267	21	.405	31	.094	69	54	74	29	20	26
MEXICO—													
Minatitlan	.664	.723	.712	13	.904	20	.507	80	61	74	61	35	51
Mirador (*b*)	1.167	1.317	1.388	24	1.800	6	.780	.....	.....	.....	.....	.....	.....
Vera Cruz (*c*)	.731	.....	.746	....	.....	....	.....	78	.....	78	.....	.....	.....
WEST INDIES—													
St. George's, Bermuda (*d*)	....	.....	.....	?	.667	?	.309	.....	.....	.....	.....	.....	.....
CENTRAL AMERICA—													
Guatemala (*e*)	.446	.474	.486	....	.....	....	.....	55	54	85.5	.....	.....	.....
SOUTH AMERICA—													
Catharina Sophia, Surinam	.739	.868	.862	18	.936	10	.577	89	70	86	85	65	83
EASTERN CONTINENT—													
Jerusalem, Palestine	.286	.312	.294	17	.500	17	.145	76	61	76	32	34	25

a Same amount on the 31st.

b Observations taken at 7 a. m., 2. p m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

c For changes in hours of observation, &c., see table of the thermometer for this month.

d Mean force of vapor, .432; mean relative humidity, 76; minimum, 53.

e Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m, .456. Mean relative humidity at 4 a. m, 93.

No. 29.—PSYCHROMETER, APRIL, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Halifax (*a*)	.192	.....	.209	18	.283	1	.116	78	.....	75	56	.....	52
St. Martin (*a*)	.151	.211	.180	30	.529	10	.072	83	73	82	70	40	39
Toronto (*a*)	.187	.159	.156	14	.331	28	.053	75	53	66	31	14	27
Windsor	.172	.200	.177	23	.382	1	.093	86	69	79	63	51	54
Wolfville	.162	.202	.181	21	.361	9	.070	73	64	79	47	32	50
MAINE—													
Portland	.151	.152	.149	23	.254	1	.047	69	52	63	33	26	21
Steuben (*a*)	.128	.150	.140	23	.275	1	.000	63	54	62	29	18	0
VERMONT—													
Burlington	.140	.143	.154	26	.283	5	.052	64	47	60	37	21	29
MASSACHUSETTS—													
Amherst	.182	.174	.174	23	.349	9	.069	75	51	66	42	14	26
Bridgewater (*a*)	.187	.198	.168	30	.501	1	.000	72	58	61	37	18	0
Cambridge	.....	.....	.....	.....	.....	.....	.....	84	75	79	70	62	65
Lawrence	.151	.153	.161	26	.278	6	.044	66	49	67	36	14	32
Nantucket	.183	.176	.207	23	.345	9	.068	63	50	75	34	24	41
New Bedford	.176	.181	.184	23	.388	1	.033	68	52	68	39	11	29
Westfield	.159	.151	.176	25	.337	9	.032	62	43	65	31	8	29
Worcester	.192	.197	.183	17	.334	30	.087	78	57	69	46	24	20
RHODE ISLAND—													
Providence (*b*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT—													
Middletown	.185	.165	.178	26	.353	6	.066	75	40	66	51	14	27
Pomfret	.185	.204	.190	26	.349	1	.058	80	60	75	56	21	44
Wallingford	.174	.170	.184	26	.374	9	.051	72	44	65	42	17	35
NEW YORK—													
Bellport	.198	.225	.229	26	.378	5	.064	69	62	81	42	19	49½
Buffalo (*a*)	.183	.181	.196	11	.322	9	.079	71	60	73	45	29	49
Clinton	.167	.175	.173	3	.336	9	.054	67	49	66	39	25	31
Fort Edward	.178	.200	.187	28	.322	19	.002	77	60	68	50	21	45
Henrietta	.215	.205	.189	20	.658	4	.025	61	59	78	10	34	9
New York city	.190	.241	.212	26	.631	16	.076	63	56	62	33	21	23
Waterford	.206	.231	.211	30	.314	1	.103	79	64	77	45	38	42
PENNSYLVANIA—													
Berwick	.227	.263	.265	30	.502	9	.074	75	60	76	49	25	51
Carlisle	.208	.234	.233	13	.496	5	.082	67	56	67	32	19	28
Chambersburg	.413	.425	.468	13	.572	6	.309	70	66	69	57	41	61
Easton (*a*)	.188	.193	.205	26	.408	9	.074	63	48	66	35	25	32
Harrisburg, [Hickok]	.197	.200	.214	13	.471	9	.052	64	46	56	25	11	25
Lewisburg	.209	.194	.219	13	.478	1	.060	69	46	65	34	12	22
Linden (*a*)	.217	.254	.242	15	.460	4	.089	81	67	77	66	27	40
Norristown	.192	.198	.215	26	.425	4	.056	63	50	67	36	16	38
Philadelphia	.207	.212	.226	3	.478	6	.085	65	47	63	33	22	27
Somerset	.240	.291	.229	13	.581	9	.098	91	68	77	68	48	51
MARYLAND—													
Annapolis	.255	.274	.294	27	.505	6	*c*.120	75	59	76	43	29	39
Baltimore	.201	.211	.226	26	.403	4	.038	55	45	54	15	8	16
Frederick	.248	.281	.275	13	.493	6	.116	79	65	78	48	33	39
DISTRICT OF COLUMBIA—													
Washington	.247	.257	.271	27	.549	4	.051	70	52	70	33	12	37
VIRGINIA—													
Montross	.304	.414	.324	11	.641	9	.120	85	81	85	61	59	52
NORTH CAROLINA—													
Murfreesborough	.385	.515	.460	14	.877	6	.177	90	77	88	78	67	79
SOUTH CAROLINA—													
All Saints	.409	.409	.442	12	.717	18	.041	78	53	75	54	7	48
Columbia, [Barton]	.342	.332	.359	3	.666	5	.086	77	45	62	49½	16	24½
Columbia, [White]	.488	.713	.535	13	1.255	6	.209	89	89	89	75	70	85
St. John's (*a*)	.413	.421	.439	12	.759	18	.162	80	59	79	45	34	47

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity for the month, 59.

c Same amount on the 9th.

No. 29.—PSYCHROMETER, APRIL, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
GEORGIA—													
Athens	.335	.358	.341	12	.701	18	.127	73	52	66	23	19	35
Augusta	.401	.452	.473	12	.738	6	.182	70	59	69	47	43	49
Savannah	.430	.423	.464	2	.759	23	.149	78	53	74	48	26	37
FLORIDA—													
Jacksonville	.608	.686	.603	14	.948	6	.282	83	73	87	37	58	75
Micanopy	.547	.623	.564	2	*a*. 887	17	.216	87	58	94	46	39	84
ALABAMA—													
Greensborough (*b*)	.393	.357	.377	27	.614	16	.140	83	55	73	64	28	44
Moulton	.345	.341	.354	12	*c*. 625	5	.120	66	55	62	42	34	45
Selma	.377	.322	.388	2	.680	8	.071	76	45	65	61	8	43
MISSISSIPPI—													
Columbus	.390	.412	.431	2	.731	5	.143	82	53	78	52	35	53
Paulding	.491	.500	.506	11	.812	7	.125	90	66	72	65	43	21½
TEXAS—													
Austin, [Palm]	.356	.237	.341	11	.839	26	.000	61	25	53	24	0	13
Austin, [Van Nostrand]	.394	.310	.375	11	.724	27	.071	69	33	58	28	7	25
Larissa	.455	.537	.488	25	.942	21	.142	86	73	76	58	36½	59
Sisterdale	.355	.298	.352	11	.685	22	.014	64	31	56	11	3	5
TENNESSEE—													
Glenwood	.288	.288	.315	10	.660	5	.097	73	50	71	39	18	38
La Grange	.324	.398	.382	13	.733	5	.125	79	57	77	52	33	53
Memphis	.372	.385	.389	11	.798	5	.133	80	57	73	48	36	38
KENTUCKY—													
Bardstown	.281	.313	.292	27	.662	5	.106	73	59	69	52	59	40
Louisville (*b*)	.....	.295	.....	13	.651	5	.103	.....	51	.....	.....	26	.....
Springdale (*b*)	.253	.339	.327	13	.638	7	.056	82	64	76	22	34	55
OHIO—													
Avon	.197	.215	.207	11	.489	1	*d*. 000	59	59	73	0	10	0
Cincinnati, [Harper]	.279	.405	.307	11	*e*. 745	4	.123	73	65	69	54	36	52
Hillsborough	.238	.267	.257	13	.568	4	.076	75	61	69	39	21	31
Montville	.211	.223	.218	13	.581	9	.052	71	58	70	39	19	40
Savannah	.236	.311	.254	13	.639	9	.123	83	75	86	63	54	59
Westerville	.247	.258	.267	13	.604	5	.099	77	60	75	55	27	44
MICHIGAN—													
Detroit	.149	.145	.151	11	.390	29	*f*. 000	60	36	68	28	0	42
Marquette	.140	.159	.129	17	.224	1	.000	76	68	76	39	0	30
Ottawa Point (*g*)	.198	.226	.207	30	.439	9	.105	81	81	81	71	71	71
Thunder Bay Island (*h*)	.163	.171	.160	29	.262	3	*i*. 089	78	77	78	72	68	63
Ypsilanti	.180	.170	.178	14	.415	23	.077	70	47	65	40	18	37
INDIANA—													
New Harmony	.289	.336	.340	13	.708	5	.084	81	64	82	65	33	40
Richmond, [Moore]	.212	.229	.235	13	.546	3	.088	68	54	63	38	18	34
ILLINOIS—													
Augusta	.219	.261	.253	10	.622	4	.085	80	63	72	58	33	51
Batavia, [Mead]	.189	.232	.211	10	.576	7	.045	78	61	76	49	16	48
Elgin	.186	.206	.193	10	.537	23	.086	82	59	75	60	22	50
Manchester (*b*)	.264	.342	.295	10	.639	4	*j*. 141	91	77	91	73	46	68
Peoria	.197	.239	.233	10	.570	6	.060	67	50	64	45	17	35
Upper Alton	.293	.392	.330	26	.731	4	.116	83	78	81	66	44	45
Wheaton	.185	.188	.185	10	.543	8	.082	79	53	71	61	24	50
MISSOURI—													
St. Louis	.255	.245	.236	10	.566	5	.085	72	49	63	36	14	32
WISCONSIN—													
Appleton	.149	.227	.170	26	.556	24	.056	64	67	70	32	21	22
IOWA—													
Dubuque	.159	.164	.182	26	.306	5	.066	52	46	67	23	16	43

a Same amount on the 28th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 13th.
d Same amount on the 10th.
e Same amount on the 12th.
f Same amount on the 30th.
g Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 6 a. m., .156; mean relative humidity, 81.
h Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 6 a. m., .149; mean relative humidity, 80.
i Same amount on the 5th and 8th.
j Same amount on the 5th and 6th.

No. 29.—PSYCHROMETER, APRIL, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
IOWA—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Fairfield	.168	.181	.188	10	.543	22	.040	63	47	68	39	13	39
Muscatine	.244	.260	.276	30	.438	5	.131	82	76	81	70	51	69
MINNESOTA—													
Beaver Bay, [Clark]	.157	.172	.156	29	.310	1	.070	85	82	89	53	41	73
Beaver Bay, [Wieland]	.160	.227	.153	30	.470	1	.068	96	87	97	79	72	79
KANSAS—													
Lawrence	.242	.293	.297	10	.608	3	.072	53	52	55	25	34	32
CALIFORNIA—													
Sacramento	.286	.343	.333	16	.524	1	.133	73	61	73	60	30	44
San Francisco	.269	.282	.276	8	.423	1	.103	73	54	76	33	26	48
MEXICO—													
Minatitlan	.718	.724	.746	30	.910	19	.379	74	56	69	63	37	53
Mirador (*a*)	1.243	1.363	1.455	29	1.890	26	.780	------	------	------	------	------	------
Vera Cruz (*b*)	.747	------	.819	----	------	----	------	75	------	82	------	------	------
WEST INDIES—													
St. George's, Bermuda (*c*)	------	------	------	?	.696	?	.248	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*d*)	.488	.534	.515	----	------	----	------	59.5	60.5	89	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*b*)	.778	.840	.853	9	.945	9	.621	89	68	85	82	65	78

a Observations taken at 7 a. m., 2 p. m., and 8 p. m.; and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

b For changes in hours of observation, &c., see table of the thermometer for this month.

c Mean force of vapor, .492; mean relative humidity, 79; minimum, 47.

d Observations taken at 4 and 10 a. m., 4 and 10 p. m. Mean force of vapor at 4 a. m., .496; mean relative humidity at 4 a. m., 96.

No. 30.—PSYCHROMETER, MAY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
BRITISH AMERICA —	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches*						
St. Martin (*a*)	.309	.448	.350	24	.738	10	.162	81	59	75	55	36	49
Toronto (*a*)	.284	.315	.298	7	.513	30	.125	75	58	72	44	30	41
Windsor	.309	.389	.314	26	.645	31	.172	85	67	81	57	36	55
Wolfville	.317	.310	.297	23	.653	5	.077	72	58	72	23	29	41
MAINE—													
Gardiner	.327	.366	.317	8	.571	2	.137	80	63	82	55	24	35
Portland	.286	.305	.296	2	.577	1	.146	74	64	78	41	30	40
Steuben	.273	.306	.265	5	.655	2	.114	75	61	81	36	21	43
VERMONT—													
Burlington	.311	.359	.323	26	.623	15	.104	67	54	67	46	22	45
MASSACHUSETTS—													
Amherst	.314	.391	.354	27	.633	1	.185	84	57	75	62	32	26
Bridgewater (*a*)	.369	.433	.319	13	.952	13	.054	87	78	78	46	27	11
Cambridge	.....	.....	.....	.....	.....	.....	.....	91	79	83	74	61	69
Lawrence	.292	.323	.298	13	.564	3	.151	73	56	70	43	29	46
Nantucket	.314	.319	.318	21	*b* .476	5	.031	74	63	84	46	6	52
New Bedford	.338	.342	.339	28	.505	3	.046	82	64	88	55	9½	61
Westfield	.305	.332	.351	21	.644	2	.153	77	49	78	50	16	54
Worcester	.332	.376	.319	19	.655	3	.172	76	58	73	49	19	24
RHODE ISLAND—													
Providence (*c*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT—													
Middletwon	.313	.350	.329	28	.627	2	.183	73	48	78	47	20	53
Pomfret	.362	.448	.358	7	.664	1	.225	91	75	89	69	42	51
Wallingford	.327	.348	.337	18	.566	1	.146	83	53	79	47	28	43
NEW YORK—													
Bellport	.342	.396	.355	8	.577	10	.077	78	73	88	23	22	66
Buffalo (*a*)	.334	.348	.339	26	*b* .529	23	.178	70	59	67	45	26	44
Fort Edward	.322	.331	.341	27	.695	10	.117	73	49	69	41	24	47
Henrietta	.360	.385	.346	26	.623	3	.012	63	50	73	3	29	42
New York city	.335	.374	.359	20	.548	1	.132	69	52	69	38	24	43
Oswego	.367	.475	.383	8	.846	18	.164	77	72	81	30	47	61
Rochester, [Mathews]	.353	.329	.328	27	.621	14	.071	73	48	63	15	15	32
Saratoga	.451	.471	.559	26	.744	23	.321	70	69	72	61	47	62
Waterford	.365	.431	.393	8	.677	16	.181	77	61	76	43	37	49
PENNSYLVANIA—													
Berwick	.411	.515	.481	27	.759	11	.297	82	67	85	69	47	70
Carlisle	.351	.376	.409	26	.608	1	.150	67	50	72	32	23	35
Chambersburg	.462	.515	.568	21	.757	18	.303	78	68	79	66	44	67
Easton (*a*)	.323	.330	.345	27	.563	15	.153	66	45	71	36	16	42
Harrisburg, [Hickok]	.337	.353	.368	20	.581	1	.168	70	44	61	39	22	27
Lewisburg	.347	.373	.365	28	.600	15	.134	69	49	69	45	18	38
Norristown	.340	.352	.367	27	.556	30	.138	77	54	73	39	17	55
Philadelphia	.361	.383	.393	21	.691	1	.121	69	50	69	38	18	39
Somerset	.362	.477	.379	30	.650	28	.245	80	55	76	65	42	57
MARYLAND—													
Annapolis	.432	.420	.472	21	.700	16	.210	87	58	77	73	33	53
Baltimore (*a*)	.331	.357	.382	20	.577	16	.168	61	49	63	34	21	36
Chestertown	.390	.377	.382	21	.658	16	.162	71	50	67	50	23	42
Frederick	.399	.443	.430	21	.654	1	.222	76	59	78	45	32	50
DISTRICT OF COLUMBIA—													
Washington	.407	.419	.448	21	.682	4	.190	81	55	74	59	29	47
VIRGINIA—													
Kanawha	.423	.581	.494	31	.731	3	*e* .320	91	66	82	73	51	67
Montross	.442	.596	.483	31	.859	1	.234	87	76	87	76	59	65
NORTH CAROLINA—													
Murfreesborough (*a*)	.561	.693	.595	15	.846	13	.405	91	76	88	88	62	73

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 19th.
c Mean relative humidity for the month, 81.
d Same amount on the 27th.
e Same amount on the 4th.

No. 30.—PSYCHROMETER, MAY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
South Carolina—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
All Saints	.527	.553	.544	21	.826	2	.234	84	62	79	49	33	42
Columbia, [Barton]	.457	.417	.513	21	.735	4	.110	53	40	76	48	14	47
Columbia, [White]	.530	.810	.632	14	1.215	1	.322	84	80	81	58	42	49
St. John's	.513	.538	.537	18	.843	2	.244	82	56	82	46	36	60
Georgia—													
Athens	.482	.434	.475	17	.696	2	.170	77	48	73	52	23	42
Augusta	.521	.581	.632	17	.884	2	.259	68	57	67	40	36	32
Savannah	.570	.572	.594	21	.834	2	.242	83	59	80	48	32	66
Thomaston	.534	.718	.651	17	1.111	8	.337	79	67	73	63	53	63
Florida—													
Jacksonville	.700	.755	.677	14	.999	1	.462	85	70	87	69	57	65
Micanopy	.705	.732	.668	26	1.070	3	.536	93	59	90	77	41	85
Alabama													
Greensborough	.528	.495	.575	12	.822	28	.243	76	50	78	54	27	46
Moulton	.507	.509	.562	31	*a*.684	28	.293	68	59	70	58	40	60
Selma	.458	.335	.415	9	.577	28	.216	67	32	50	53	19	34
Mississippi—													
Columbus	.563	.582	.608	18	.774	27	.369	82	52	79	63	36	60
Paulding	.635	.638	.667	19	.827	28	.410	87	63	74	73	44	57
Texas—													
Austin, [Palm]	.575	.484	.590	6	1.037	28	.093	72	37	66	41	8	34
Austin, [Van Nostrand]	.623	.556	.602	31	.765	27	.258	81	45	73	42	26	40
Larissa	.618	.823	.690	22	1.201	27	.399	82	77	82	65	56	70
Sisterdale	.556	.449	.576	18	.778	2	.150	72	37	69	47	8	42
Tennessee—													
Glenwood	.475	.499	.508	16	.704	27	.252	78	58	83	78	30	57
La Grange	.543	.624	.582	31	.846	5	.349	79	69	76	55	38	51
Kentucky—													
Bardstown	.462	.477	.467	12	.877	28	.270	75	51	72	53	32	32
Louisville (*b*)	.433	.464	.487	26	.707	22	.269	72	48	66	54	25	50
Springdale (*b*)	.389	.594	.577	20	.969	28	.231	93	62	85	76	28	49
Ohio—													
Avon	.362	.407	.367	24	.838	14	.147	72	56	75	31	28	48
Cincinnati, [Harper]	.454	.524	.496	26	.704	15	.255	73	57	64	49	40	46
Hillsborough	.386	.409	.406	26	.658	3	.086	77	50	66	51	9	38
Montville	.361	.416	.388	26	.678	2	.111	72	57	74	33	12	35
Savannah	.418	.509	.407	7	.823	27	.183	80	61	81	53	14	47
Westerville	.400	.464	.455	7	.877	14	.214	75	52	77	51	28	48
Michigan—													
Detroit	.212	.338	.239	12	.718	3	*c* .000	43	40	49	0	7	11
Lake George (*b*)	.253	.292	.262	26	.407	19	.160	78	64	76	64	39	56
Marquette	.238	.225	.239	24	.499	14	.000	76	51	75	34	0	11
Ottawa Point (*d*)	.339	.379	.356	24	.536	14	.162	84	86	85	80	75	77
Thunder Bay Island (*e*)	.247	.257	.248	25	.349	2	.169	76	76	80	65	61	65
Ypsilanti	.308	.319	.322	26	.639	14	.089	66	44	67	35	17	38
Indiana—													
New Harmony	.543	.622	.594	26	.923	23	.389	84	66	89	63	40	68
Notre Dame	.397	.418	.412	26	.646	12	.174	70	55	73	53	34	50
Richmond	.366	.323	.363	26	.582	23	.144	68	40	62	37	18	38
Illinois—													
Augusta	.422	.481	.451	5	.850	14	.216	82	66	78	61	40	56
Batavia, [Mead]	.372	.452	.379	24	.914	15	.183	78	56	77	47	23	31
Elgin	.342	.398	.360	8	.595	13	*f*.169	78	58	77	53	25	54
Manchester (*b*)	.500	.612	.517	17	.813	27	.335	91	96	94	65	53	78
Peoria	.400	.434	.443	26	.658	14	.162	71	50	69	45	27	46
Upper Alton	.474	.687	.501	12	.931	14	.272	85	82	85	51	56	67
Wheaton	.326	.342	.321	4	.618	22	.138	69	52	74	48	21	48

a Same amount on the 16th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 9th.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .289. Mean relative humidity, 8[illegible].
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .238. Mean relative humidity, 84.
f Same amount on the 11th.

No. 30.—PSYCHROMETER, MAY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
MISSOURI—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches*						
St. Louis	.456	.495	.494	26	.670	14	*a* .193	73	57	76	34	25	53
WISCONSIN—													
Appleton	.309	.386	.345	17	.693	12	.149	74	52	75	29	22	23
Madison	.300	.310	.322	24	.559	1	.044	60	46	64	33	5	40
Milwaukee, [Larkin]	.332	.335	.331	24	.500	12	.204	------	------	------	------	------	------
IOWA—													
Dubuque	.303	.297	.324	24	.812	23	.000	60	41	59	0	0	29
Fairfield	.343	.385	.343	7	.666	21	*b* .163	63	51	65	31	23	38
Muscatine	.483	.514	.527	17	*c* .680	15	.321	83	79	80	72	63	69
MINNESOTA—													
Beaver Bay, [Clark]	.237	.225	.225	24	.482	13	.090	80	65	84	38	31	41
Beaver Bay, [Wieland] (*d*)	.255	.364	.249	6	.771	13	*e* .170	91	76	91	67	57	70
KANSAS—													
Lawrence	.469	.506	.511	31	.758	27	.257	71	61	69	50	41	52
CALIFORNIA—													
Sacramento	.340	.374	.373	20	.522	12	.136	69	57	69	34	19	37
San Francisco	.303	.304	.305	19	.403	25	.150	74	52	80	25	14	33
MEXICO—													
Minatitlan	.774	.760	.813	20	.959	7	.582	72	56	69	54	37	45
Mirador (*f*)	1.337	1.304	1.584	2	1.890	8	*g* 8.50	------	------	------	------	------	------
Vera Cruz (*h*)	.876	------	.908	9	1.013	30	.759	79	------	80	67	------	71
WEST INDIES—													
St. George's, Bermuda (*i*)	------	------	------	?	.791	?	.566	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*j*)	.486	.512	.528	----	------	----	------	57	59	90	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*h*)	.796	.839	.869	2	*k*. 886	17	.693	91	68	84	85	59	74

a Same amount on the 21st.
b Same amount on the 27th.
c Same amount on the 24th.
d For the first 20 days of the month only.
e Same amount on the 19th.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000}$ water in the cubic space of air."
g Same amount on the 25th.
h For changes in hours of observation, &c., see table of the thermometer for this month.
i Mean force of vapor, .694; mean relative humidity, 89; minimum, 61.
j Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m., .503. Mean relative humidity at 4 a. m. 95.
k Same amount on the 11th and 18th.

No. 31.—PSYCHROMETER, JUNE, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches*		*Inches*						
BRITISH AMERICA—													
St Martin (*a*)	.363	.515	.413	27	.855	10	.121	81	65	77	65	38	48
Toronto (*a*)	.347	.379	.336	28	.770	4	.139	77	60	72	57	25	48
Windsor	.421	.505	.416	30	.751	12	.204	85	39	84	56	34	70
Wolfville (*a*)	.408	.426	.406	24	.677	12	.160	72	51	79	35	29	68
MAINE—													
Gardiner	.430	.490	.437	29	.936	11	.175	85	72	87	59	39	50
Perry	.385	.459	.389	14	.827	11	.193	90	75	92	62	44	68
Portland	.424	.416	.407	29	.836	11	.203	80	69	84	59	33	54
Steuben	.395	.419	.353	24	.685	11	.173	85	73	85	50	37	53
NEW HAMPSHIRE—													
Mount Washington	.222	.243	.243	29	*b* .466	11	.094	93	88	92	60	34	52
VERMONT—													
Burlington	.387	.455	.436	29	.935	11	.165	78	65	77	40	39	54
MASSACHUSETTS—													
Amherst	.466	.522	.480	29	.870	5	.224	89	69	88	71	37	63
Bridgewater (*a*)	.519	.567	.519	29	1.426	11	.167	85	74	85	54	32	33
Cambridge	------	------	------	----	------	----	------	92	82	88	80	67	70
Lawrence	.413	.458	.426	29	.827	5	.202	78	66	81	63	37	50
Nantucket	.424	.427	.451	24	.623	14	.176	76	62	86	28½	44	44
New Bedford	.459	.487	.456	29	.759	11	.202	84	71	86	57	36	56
Westfield	.411	.466	.457	29	.776	5	.161	82	62	84	63	31	54
Worcester	.468	.496	.464	29	.872	7	.212	84	67	83	62	35	41
RHODE ISLAND—													
Providence (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.441	.473	.454	29	.915	11	.176	80	55	83	61	30	65
Pomfret	.475	.532	.470	29	.989	5	.238	92	81	93	75	56	69
Wallingford	.445	.478	.455	29	.929	11	.196	87	61	84	63	32	63
NEW YORK—													
Bellport	.452	.498	.476	2	.733	4	.122	79	72	88	40	25	77
Buffalo (*a*)	.319	.417	.391	29	.680	11	.162	79	68	73	49	38	55
Cazenovia	.339	.389	.370	29	.785	6	.150	77	63	81	53	27	50
Fordham	.343	.358	.359	29	1.023	10	.006	58	40	55	28	4	2
Henrietta	.450	.465	.418	29	.895	4	.090	73	60	79	38	40	60
New York city	.456	.508	.480	29	.839	5	.176	71	59	70	34	26	38
Oswego	.452	.519	.428	28	1.030	6	.102	89	76	83	68	20	27
Rochester, [Mathews]	.427	.382	.386	29	.829	5	.118	84	51	72	54	21	49
Schenectady	.442	.496	.445	----	?	----	?	76	64	74	------	------	------
Waterford	.456	.524	.501	29	.908	5	.254	82	70	82	54	40	58
PENNSYLVANIA—													
Berwick	.495	.592	.540	29	1.108	11	.215	85	70	86	68	29	73
Carlisle	.435	.473	.497	28	.868	5	.127	67	56	74	48	24	52
Chambersburg	.555	.604	.609	29	.887	5	.336	81	78	81	70	62	68
Easton (*a*)	.445	.441	.440	29	.846	11	.144	71	54	75	44	32	46
Harrisburg, [Hickok]	.431	.455	.474	28	.773	4	.122	69	48	69	44	27	38
Lewisburg	.437	.431	.447	29	.834	4	.132	71	51	74	42	12	49
Mount Joy	.539	.666	.586	29	1.029	4	.190	82	75	80	64	53	58
Norristown	.484	.502	.497	29	.945	11	.146	78	59	78	47	36	48
Philadelphia	.501	.541	.512	29	.964	5	.162	72	57	72	42	29	50
Somerset	.450	.521	.455	29	.809	4	.165	88	63	86	73	43	72
MARYLAND—													
Annapolis	.568	.565	.603	29	.955	5	.180	84	61	77	60	42	63
Baltimore (*a*)	.409	.413	.362	----	?	----	?	61	47	64	------	------	------
Chestertown	.502	.505	.474	29	.847	5	*d* .144	68	53	66	44½	30	19
DISTRICT OF COLUMBIA—													
Washington	.529	.532	.567	12	.985	5	.160	75	56	76	42	31	51

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 28th.
c Mean relative humidity, 70.3
d Same amount on the 23d.

No. 31.—PSYCHROMETER, JUNE, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
VIRGINIA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches*						
Kanawha	.541	.708	.601	----	?	----	?	91	75	93	------	------	------
Montross	.571	.687	.591	3	1.023	4	.199	87	74	87	74	57	77
NORTH CAROLINA—													
Murfreesborough	.695	.856	.732	29	1.083	5	.285	89	77	87	82	69	78
SOUTH CAROLINA—													
All Saints	.716	.723	.713	21	.909	5	.322	88	71	89	69	45	75
Columbia, [Barton]	.626	.625	.641	21	.829	6	.190	87	53	74	51	15	29
Columbia, [White] (*a*)	.684	.876	.736	30	1.459	6	.473	74	69	76	43	44	34
St. John's	.719	.738	.711	25	.904	5	.356	88	69	86	62	50	70
GEORGIA—													
Athens	.587	.589	.630	----	?	----	?	80	55	78	------	------	------
Augusta	.689	.726	.765	28	.909	6	.413	77	63	74	74	47	61
Savannah	.749	.742	.736	25	.913	6	.472	86	63	83	70	33	72
Thomaston	.691	.851	.797	9	1.070	5	.451	82	70	78	60	56	61
FLORIDA—													
Jacksonville	.851	.894	.838	18	1.056	9	.658	88	71	89	74	56	82
Micanopy	.752	.689	.708	28	1.147	10	.286	82	52	75	65	19	42
ALABAMA—													
Greensborough	.649	.643	.653	29	.931	3	.272	79	54	77	62½	38	44
Selma	.462	.300	.413	24	.570	3	.194	58	25	45	43	13	24
MISSISSIPPI—													
Columbus	.674	.702	.717	17	.935	4	.336	82	53	81	67	37	51
Paulding	.744	.787	.807	17	1.065	5	.426	90	69	85	45	53	62
TEXAS—													
Austin, [Palm]	.611	.444	.513	27	.820	23	.208	63	29	51	39	14	24
Austin, [Van Nostrand]	.693	.531	.624	26	.907	22	.326	74	35	61	40	20	35
Larissa	.737	.855	.732	13	1.242	23	.371	83	66	77	65	30	47
Sisterdale	.644	.506	.574	30	.958	22	.250	68	34	58	44	15	32
TENNESSEE—													
Glenwood	.563	.600	.615	29	.911	4	.224	86	62	85	66	42	66
La Grange	.665	.706	.730	19	.904	5	.321	84	66	77	70	45	64
Memphis	.684	.672	.701	17	1.128	4	.301	77	59	80	63	39	59
KENTUCKY—													
Bardstown	.554	.516	.550	29	.850	5	.216	76	52	72	60	17	40
Springdale (*a*)	.451	.685	.611	27	.978	5	.186	89	63	79	76	38	52
OHIO—													
Avon	.449	.491	.453	14	1.117	5	.153	76	64	79	55	32	61
Cincinnati, [Harper]	.556	.661	.617	29	.965	5	.247	77	68	75	65	53	64
Hillsborough	.475	.522	.483	27	.783	5	.190	84	61	75	59	42	54
Montville	.447	.486	.441	28	.863	4	.144	82	64	78	62	42	54
Savannah	.479	.467	.438	28	1.382	30	.123	79	53	81	63	18	56
Westerville	.489	.540	.535	27	.843	4	.173	79	60	83	59	36	53
MICHIGAN—													
Detroit	.332	.434	.349	29	.868	11	.104	54	44	55	21	23	35
Fort Gratiot (*b*)	.358	.340	.355	29	.868	4	.105	71	49	53	48	20	29
Marquette	.303	.298	.294	27	.665	14	.000?	75	57	78	36	0?	33
Ottawa Point (*c*)	.443	.500	.468	29	*d*.785	4	.170	86	87	87	75	79	81
St Mary's	.309	.349	.304	27	.745	10	.118	80	58	74	48	30½	52
Thunder Bay Island (*e*)	.324	.338	.330	29	.608	10	.131	75	75	78	58	43	46
Ypsilanti (*a*)	.394	.391	.400	27	.778	9	.123	72	47	72	51	15	51
INDIANA—													
New Harmony	.650	.713	.680	29	1.010	4	.283	85	69	90	61	51	69
Richmond	.443	.440	.462	15	.812	5	.144	74	52	68	53	28	47
ILLINOIS—													
Augusta	.481	.580	.550	26	1.028	11	.212	86	67	81	63	37½	63
Batavia, [Mead]	.440	.524	.465	27	.969	4	.182	77	53	81	47	26	46
Elgin	.430	.489	.449	7	1.295	4	.165	80	60	83	54	42	63

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .379; mean relative humidity at 9 a. m., 60.

c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .369; mean relative humidity at 6 a. m., 86.

d Same amount on the 28th.

e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .328; mean relative humidity at 6 a. m., 84.

No. 31.—PSYCHROMETER, JUNE, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Manchester (*a*)	.564	.716	.609	28	1.028	4	.244	92	81	89	74	63	40
Peoria	.453	.470	.491	27	.832	3	.149	70	47	63	48	21	38
Upper Alton	.548	.750	.581	13	1.215	4	.203	86	79	84	66	64	55
Wheaton	.394	.401	.420	27	.792	4	.120	65	53	76	44	19	53
MISSOURI—													
St. Louis	.520	.548	.553	29	.855	4	.170	70	52	72	43	29	45
WISCONSIN—													
Appleton	.391	.455	.405	27	.787	10	.125	72	60	77	40	28	50
Madison	.400	.411	.404	28	.816	3	.173	61	54	64	37	22	44
Milwaukee, [Larkin]	.396	.443	.421	28	.839	5	.196	?	-----	------	------	------	------
IOWA—													
Dubuque	.384	.361	.412	27	*b* .792	7	.111	66	42	64	17	15	45
Fairfield	.412	.444	.428	28	.748	4	.115	63	43	71	28	23	56
Muscatine	.549	.593	.600	27	.996	4	.295	82	79	81	70	56	66
MINNESOTA—													
Beaver Bay, [Clark]	.294	.312	.310	27	.618	3	.143	83	69	83	53	31	64
KANSAS—													
Lawrence	.585	.634	.630	14	.895	3	.299	73	63	71	52	42	50
CALIFORNIA—													
Sacramento	.485	.502	.522	20	.942	4	*c*. 296	66	47	65	54	18?	42
San Francisco	.344	.355	.342	22	.451	4	.163	73	51	77	42	30	49
MEXICO—													
Mirador (*d*)	1.433	1.472	1.568	27	1.825	5	.910	------	------	------	------	------	------
Vera Cruz (*a*)	.808	------	.872	----	------	----	------	81	------	81	-----	------	------
WEST INDIES—													
St. George's, Bermuda (*e*)	--------	------	------	?	.870	?	.416	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*f*)	.522	.560	.537	----	------	----	------	70	75.5	94	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.779	.850	.847	10	.945	27	.706	90	72	85	82	62	74

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 28th.
c Same amount on the 6th.
d Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."
e Mean force of vapor, .709; mean relative humidity, 81; minimum .63.
f Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m., .506; mean relative humidity at 4 a. m., 97.5.

No. 32.—PSYCHROMETER, JULY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.436	.520	.449	19	.909	2	.157	64	59	69	16	31	47
St. Martin (*a*)	.471	.578	.498	12	.915	4	.165	81	59	79	60	40	49
Toronto (*a*)	.461	.498	.456	19	.770	4	.244	78	61	75	63	36	61
Windsor	.464	.487	.462	6	.785	21	.272	85	63	84	68	38	57
MAINE—													
Gardiner	.490	.536	.505	17	1.057	4	.059	81	65	85	37	9	49
Perry	.424	.513	.443	13	.705	15	.189	83	66	85	33	33	51
Portland	.449	.466	.460	13	.682	24	.237	72	60	76	48	30	47½
Steuben	.432	.469	.497	13	.731	15	.123	77	61	82	18	32	40
NEW HAMPSHIRE—													
Mount Washington	.247	.292	.269	12	.503	2	.110	89	86	89	54	54	46
VERMONT—													
Burlington	.457	.495	.474	11	.733	4	.203	70	59	74	52	41	54
MASSACHUSETTS—													
Amherst	.522	.534	.544	12	.812	4	.257	88	60	86	61	35	59
Cambridge	------	------	------	------	------	------	------	91	75	85	75	64	72
Lawrence	.464	.471	.458	13	.706	21	.255	76	54	74	49	35	54
Nantucket	.500	.502	.513	20	.800	4	.283	74	61	84	47	38	54
New Bedford	.531	.542	.549	20	.787	21	.283	85	62	89	54	38½	62
Westfield	.471	.485	.524	13	.825	21	.248	82	53	85	65	34	55
Worcester	.515	.517	.525	13	.843	4	.259	79	57	78	62	38	58
RHODE ISLAND—													
Providence (*b*)	------	------	------	------	------	------	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.491	.543	.487	13	.891	23	.136	82	56	77	61	38	19
Pomfret	.544	.619	.551	12	.923	4	.335	91	77	92	75	52	77
Wallingford	.500	.545	.513	13	1.298	7	.244	87	59	82	66	40	38
NEW YORK—													
Bellport	.521	.650	.552	21	.868	24	.232	80	75	87	63	56	34
Buffalo (*a*)	.512	.503	.514	18	.629	4	.231	74	60	70	55	34	44
Cazenovia	.450	.454	.452	12	*c*.677	4	.225	78	55	83	53	30	64
Charlotte (*d*)	.469	.512	.558	12	.882	4	.242	80	74	66	56	49	39
Fordham	.401	.427	.426	20	.720	6	.114	54	40	57	18	23	21
Fort Niagara (*e*)	.517	.572	.562	19	.909	4	*f*.204	73	67	67	30	45	36
Henrietta	.562	.571	.513	15	.996	4	.256	78	60	80	45	32	36
New York city	.516	.554	.528	30	1.016	4	.217	63	55	63	45	31	42
Oswego	.561	.664	.579	18	1.092	1	.349	89	83	84	73	49	56
Rochester, [Mathews]	.511	.472	.487	19	.829	4	.216	75	51	72	53	23	41
Sackett's Harbor (*g*)	.507	.506	.489	12	.775	4	.247	72	61	60	55	45	43
Waterford	.542	.601	.564	12	.969	4	.315	82	63	81	61	32	66
PENNSYLVANIA—													
Berwick	.580	.678	.616	2	1.070	4	.362	84	65	80	66	47	51
Carlisle	.535	.549	.564	18	.915	4	.204	67	52	71	45	28	55
Chambersburg	.629	.691	.730	13	1.339	5	.367	79	69	77	63	49	69
Easton (*a*)	.503	.498	.476	17	.775	4	.210	71	49	74	43	32	49
Harrisburg, [Hickok]	.509	.502	.562	19	.778	4	.255	72	45	65	48	22	34
Lewisburg	.521	.516	.506	16	.824	4	.208	72	48	71	50	30	35
Mount Joy	.601	.718	.698	14	1.060	5	.372	79	66	77	53	45	52
Norristown	.522	.534	.541	2	.829	4	.219	76	52	75	51	31	50
Philadelphia	.551	.574	.579	2	.890	5	.268	69	51	69	45	32	57
Somerset	.515	.595	.511	14	.951	4	.280	88	58	80	75	47	64
MARYLAND—													
Annapolis	.628	.611	.679	2	.923	4	.313	81	55	72	63	38	56
Chestertown	.563	.546	.532	21	.920	4	.000	68	50	65	40	28	0
Frederick	.573	.610	.597	13	.962	4	.290	71	56	70	48	38	46

* The maxima being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity, 66.

c Same amount on the 14th.

d Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 6 p. m., .554; mean relative humidity, 66.

e Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 6 a. m., .504; mean relative humidity at 6 a. m., 85.

f Same amount on the 29th.

g Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 6 a. m., .451; mean relative humidity, 77.

No. 32.—PSYCHROMETER, JULY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
DISTRICT OF COLUMBIA—													
Washington	.573	.545	.627	19	.918	4	.270	74	49	69	50	35	46
VIRGINIA—													
Kanawha	.623	.706	.707	2	*a*. 915	4	*b*. 407	89	61	91	71	43	78
Montross	.634	.731	.656	2	1. 228	8	.226	82	68	86	57	58	69
NORTH CAROLINA—													
Murfreesborough (*c*)	.784	.988	.869	2	1. 200*d*	6	.487	90	79	88	82	70	74
SOUTH CAROLINA—													
All Saints	.747	.818	.768	26	1. 060	6	.425	85	72	85	64	56	73
Columbia, [Barton]	.685	.646	.687	19	.945	8	.305	89	52	73	74	27½	44
Columbia, [White]	.825	1. 205	.882	18	1. 592	5	.396	89	88	90	48	79	63
St John's	.736	.787	.774	21	.983	6	.403	85	66	83	67	47	67
GEORGIA—													
Athens	.640	.608	.699	18	.878	24	.162	81	52	79	51	27	58
Augusta	.724	.750	.829	19	1. 056	5	.486	74	59	72	66	45	62
Savannah	.744	.758	.746	20	1. 013	6	.421	82	59	79	67	45	65
Thomaston	.790	.947	.876	18	1. 242	9	.549	87	72	81	79	59	72
FLORIDA—													
Jacksonville	.896	.932	.854	25	1. 200	6	.608	89	78	88	83	64	45
Micanopy	.783	.754	.761	14	1. 116	13	.556	81	64	79	73	40	61
ALABAMA—													
Greensborough	.723	.708	.739	19	.986	6	.385	84	59	83	53	35	48
Selma	.440	.288	.401	10	.556	20	.138	52	24	43	28	8	22
MISSISSIPPI—													
Columbus	.743	.770	.769	18	1. 023	6	.423	84	56	82	52	30	57
Paulding	.801	.805	.912	18	1. 138	6	.529	92	72	89	75	52	69
TEXAS—													
Austin, [Palm]	.671	.483	.582	12	.780	6	.326	66	31	56	42	17	36
Austin, [Van Nostrand]	.774	.559	.693	12	.907	6	.386	79	34	65	59	22	39
Larissa	.771	.784	.747	20	.947	5	.512	82	52	74	60	36	58
Sisterdale	.716	.544	.631	5	.832	29	.391	69	34	64	53	21	41
TENNESSEE—													
Glenwood	.654	.585	.631	26	.927	4	.300	87	49	73	69	26	53
Memphis	.774	.813	.823	14	1. 382	5	.449	79	59	81	61	39	66
KENTUCKY—													
Bardstown	.648	.646	.627	15	.931	4	.296	70	48	68	54	31	45
Springdale (*e*)	.521	.681	.662	16	1. 311	4	.258	86	55	68	75	34	47
OHIO—													
Avon	.608	.585	.585	18	.929	3	.221	78	58	81	60	22	55
Cincinnati, [Harper]	.647	.775	.707	17	1. 065	4	.354	75	61	67	66	51	55
Hillsborough	.515	.576	.554	20	.870	4	.277	79	53	68	61	35	48
Montville	.541	.522	.539	15	.868	4	.229	77	53	74	61	28	47
Savannah	.504	.533	.531	2	1. 087	23	.210	74	48	83	40	22	56
Westerville	.597	.581	.599	19	.870	27	.296	78	50	74	65	33	58
MICHIGAN—													
Detroit	.489	.620	.478	17	1. 015	3	.156	64	53	62	40	41	48
Fort Gratiot (*e*)	.455	.519	.518	18	.897	3	.194	73	57	63	52	36	34
Lake George	.449	.549	.451	11	1. 303	3	.203	83	66	76	65	37	39
Marquette	.430	.506	.430	15	1. 051	3	.165	76	62	80	49	33	51
Monroe Piers (*f*)	.575	.600	.600	12	.945	26	.209	67	62	64	36	36	45
Ottawa Point (*g*)	.637	.662	.670	16	.996	3	.273	88	89	89	82	80	80
Thunder Bay Island (*h*)	.471	.502	.474	19	.779	3	.216	77	77	79	60	46	56
Ypsilanti	.507	.475	.521	18	.766	26	.185	71	45	68	39	31	42
INDIANA—													
New Harmony	.760	.806	.837	16	1. 270	4	.446	85	64	88	72	47	66
ILLINOIS—													
Augusta	.639	.672	.655	14	.948	27	.300	88	59	80	82	36	61
Batavia, [Mead]	.605	.711	.609	17	1. 165	3	.259	78	50	78	54	27	38

a Same amount on the 11th.
b Same amount on the 5th.
c For changes in hours of observation, &c., see table of the thermometer for this month.
d Same amount on the 18th.
e Observations taken at 6 and 9 a. m, and 3 and 6 p. m. Mean force of vapor at 9 a. m., .534, mean relative humidity at 9 a. m., 64
f Observations taken at 6 and 9 a. m, and 3 and 6 p. m. Mean force of vapor at 6 a. m., .538; mean relative humidity, 78.
g Observations taken at 6 and 9 a. m, and 3 and 6 p. m. Mean force of vapor at 6 a. m., .523; mean relative humidity at 6 a. m., 89.
h Observations taken at 6 and 9 a. m, and 3 and 6 p. m. Mean force of vapor at 6 a. m. .452; mean relative humidity at 6 a. m., 84.

No. 32.—PSYCHROMETER, JULY, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt	7 a. m.	2 p. m	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Manchester (*a*)	.716	.819	.726	15	1.187	4	.334	89	72	93	72	52	73
Peoria	.586	.549	.626	16	.942	3	.262	70	42	64	57	26	36
Upper Alton	.688	.871	.697	15	1.242	4	.336	87	76	86	62	62	72
Wheaton	.530	.482	.507	15	.839	26	.151	64	41	71	44	19	52
MISSOURI—													
St. Louis	.650	.649	.676	14	.899	4	.345	68	51	72	46	40	60
WISCONSIN—													
Appleton	.512	.703	.571	11	1.214	3	.104	70	60	77	41	29	28
Madison	.602	.596	.643	16	1.092	3	.242	61	57	72	36	33	53
Milwaukee, [Larkin]	.534	.590	.572	18	.868	3	.229	------	------	------	------	------	------
IOWA—													
Dubuque	.527	.489	.529	17	.897	25	.040	66	39	61	36	2	15
Fairfield	.565	.541	.542	15	.877	26	.268	65	48	69	49	36	55
Muscatine	.678	.797	.755	16	1.121	4	.420	82	75	81	68	64	70
MINNESOTA—													
Beaver Bay, [Clark]	.429	.406	.426	10	*b*.671	3	.204	88	70	86	62	32	63
Beaver Bay, [Wieland]	.594	.739	.569	15	1.119	25	.275	88	77	92	72	53	53
KANSAS—													
Lawrenee	.694	.732	.742	20	.942	27	*c*.497	72	61	71	59	46	59
CALIFORNIA—													
Sacramento	.429	.516	.462	7	.677	25	.338	70	62	68	57	36	57
San Francisco	.351	.365	.330	30	.516	12	.274	83	61	87	67	41	80
MEIXCO—													
Mirador (*d*)	13.97	16 20	15.82	29	18.30	15	11.70*e*	------	------	------	------	------	------
Vera Cruz (*a*)	.844	------	.887	----	------	---	------	81	------	85	------	------	------
WEST INDIES—													
St. George's, Bermuda (*f*)	--------	------	------	?	.947	?	.507	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*g*)	.505	.507	.487	----	------	----	------	69	63.5	93	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Sur. (*a*)	.769	.824	.829	29	.914	12	.693	88	67	82	85	54	74

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 12th.
c Same amount on the 29th.
d Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."
e Same amount on the 21st.
f Mean force of vapor, .753; mean relative humidity, 81; minimum, 51.
g Observations taken at 4 and 10 a. m., and 4 and 10 p. m. Mean relative humidity at 4 a. m., 97; mean force of vapor at 4 a. m., .500.

No. 33.—PSYCHROMETER, AUGUST, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m	7 a. m.	2 p. m.	9 p. m.
British America—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Montreal	.460	.495	.484	4	.682	3	.191	72	60	71	27	39	43
St. Martin (*a*)	.501	.563	.527	16	.721	30	.169	86	60	86	65	43	65
Toronto (*a*)	.446	.483	.461	14	.679	29	.172	82	59	76	61	26	52
Windsor	.495	.582	.515	4	.895	30	.292	90	67	88	77	41	68
Wolfville	.510	.550	.455	18	.827	31	.262	82	66	74	55	36	51
Maine—													
Gardiner	.498	.541	.501	5	.772	29	.218	87	68	88	47	39	50
Perry	.464	.516	.490	3	.799	21	.282	88	69	91	72	42	73
Portland	.452	.469	.428	5	.739	29	.216	80	59	81	41	36	46
Steuben	.442	.473	.415	10	.759	29	.203	83	63	83	62	30	58
New Hampshire—													
Mount Washington	.234	.288	.251	4	.466	9	.073	83	80	82	21	32	16
Vermont—													
Burlington	.483	.503	.493	4	.785	29	.216	77	57	76	63	35	52
Massachusetts—													
Amherst	.518	.580	.528	4	.990	28	.262	93	66	83	71	39	59
Cambridge								93	77	87	81	68	77
Lawrence	.410	.451	.454	2	.901	18	.101	75	50	74	62	10	56
Nantucket	.530	.524	.524	13	.732	29	.255	76	65	79	44	37	51
New Bedford	.546	.566	.555	4	.827	30	.244	86	66	92	56	42	66
Westfield	.465	.491	.490	4	.793	30	.238	86	55	83	69	34	55
Worcester	.517	.515	.532	27	.936	30	.247	86	57	80	67	35	63
Rhode Island—													
Providence (*b*)													
Connecticut—													
Middletown	.492	.497	.516	4	.796	30	.255	87	51	86	69	29	59
Pomfret	.535	.641	.546	4	.918	28	.282	96	79	94	83	54	67
Wallingford	.504	.531	.514	4	.850	29	.270	92	58	85	72	36	43
New York—													
Bellport	.555	.623	.569	4	.843	28	.282	86	73	88	59	55	63
Buffalo (*a*)	.518	.502	.524	10	.744	29	.244	77	58	72	56	32	54
Cazenovia	.434	.428	.427	4	.706	29	.145	86	53	85	65	27	69
Charlotte (*c*)	.523	.584	.583	16	.829	29	.242	78	68	67	52	43	45
Fort Niagara (*d*)	.529	.575	.585	14	.816	4	.274	73	68	73	29	50	59
Henrietta	.572	.555	.535	13	.914	30	.179	82	62	86	56	23	68
New York city	.525	.515	.543	5	.826	28	.252	66	52	64	49	31	42
Oswego	.579	.678	.563	11	1.203	28	.282	89	83	88	69	41	63
Rochester	.511	.476	.504	3	.732	29	.216	86	52	80	71	29	53
Sackett's Harbor (*e*)	.502	.534	.510	10	.789	29	.250	71	64	62	54	53	48
Waterford	.529	.636	.557	13	.870	29	.322	84	64	80	70	51	64
Pennsylvania—													
Berwick	.532	.614	.561	3	.915	31	.285	84	65	79	73	45	58
Carlisle	.491	.481	.522	1	.731	29	.232	73	49	73	59	31	49
Chambersburg	.613	.621	.688	4	.922	30	.393	82	65	81	72	43	67
Easton (*a*)	.517	.508	.491	4	.752	29	.282	76	56	80	53	28	55
Harrisburg	.501	.505	.531	3	.800	29	.243	76	48	70	56	30	48
Lewisburg	.512	.497	.504	4	.822	28	.256	79	53	78	46	34	51
Mount Joy	.590	.726	.665	3	1.010	30	.349	84	71	82	76	52	71
Norristown	.507	.515	.562	24	.945	29	.232	81	53	79	56	29	61
Philadelphia	.551	.551	.581	4	1.014	29	.268	75½	50	72	54	31	55
Somerset	.497	.590	.509	10	.818	29	.309	91	61	85	69	46	72
Maryland—													
Annapolis	.628	.600	.671	5	.909	30	.349	86	57	74	75	39	62
Baltimore	.513	.502	.570	3	.789	29	.255	68	49	68	42	29	44
Frederick	.545	.585	.588	3	.832	18	.293	78	60	77	56	35	47

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity, 67.

c Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .481; mean relative humidity at 6 a. m., 84.

d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .490; mean relative humidity at 6 a. m., 84.

e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 9 p. m. Mean force of vapor at 6 a. m., .462; mean relative humidity at 6 a. m., 79.

No. 33.—PSYCHROMETER, AUGUST, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches.*						
DISTRICT OF COLUMBIA—													
Washington	.588	.535	.626	4	*a*. 800	29	.319	82	55	75	67	35	42
VIRGINIA—													
Montross	.655	.780	.651	3	1.241	29	.380	88	78	89	60	60	77
NORTH CAROLINA—													
Murfreesborough	.695	.840	.750	4	1.269	30	.452	91	79	86	85	62	76
SOUTH CAROLINA—													
All Saints	.747	.790	.735	29	.977	30	.516	90	77	88	60	58	77
Columbia, [White]	.742	.992	.836	4	1.382	31	.376?	91	89	91	48	47?	74
St. John's (*b*)	.689	.765	.733	10	.945	17	*c*. 564	91	78	92	79	57	79
GEORGIA—													
Athens (*b*)	.630	.655	.659	29	.826	22	.450	89	65	88	76	46	72
Augusta	.693	.753	.756	14	.891	21	.545	77	68	75	67	49	65½
Savannah	.758	.782	.774	20	1.002	17	.576	89	71	93	80	44	78
Thomaston	.728	.893	.812	6	1.151	22	.564	88	79	83	69	60	69
FLORIDA—													
Jacksonville	.890	.943	.857	31	1.242	18	.758	90	78	90	83	63	82
Micanopy	.777	.738	.779	29	1.075	27	.529	86	66	83	78	38	71
ALABAMA—													
Greensborough	.741	.742	.754	6	.897	31	.482	89	65	84	79	48	66
Selma	.507	.388	.466	25	*d*. 577	3	*e*. 317	62	35	51	46	23	37
MISSISSIPPI—													
Columbus	.741	.762	.785	3	.920	30	.405	89	61	87	72	41	72
Paulding	.805	.832	.840	11	1.030	30	.579	90	70	85	77	49	66
TEXAS—													
Austin, [Palm]	.675	.453	.582	31	.787	15	.274	65	27	51	47	16	26
Austin, [Van Nostrand]	.778	.550	.681	28	.886	10	.407	78	32	59	58	21	42
Larissa	.786	.717	.723	20	.990	10	.433	82	45	68	55	22	47
Sisterdale	.708	.507	.607	16	.816	12	.354	71	29	57	56	20	24
TENNESSEE—													
Glenwood	.607	.608	.652	17	.914	4	.227	89	60	87	65	20	77
Memphis	.755	.752	.797	3	1.366	30	.464	89	64	90	74	45	66
KENTUCKY—													
Bardstown	.615	.633	.639	26	*f*. 816	29	.365	84	61	86	66	43	73
Lexington (*b*)	.567	.597	.601	11	.785	29	.336	78	59	80	62	40	50
Springdale (*b*)	.497	.658	.624	8	1.046	29	.112	87	65	74	56	45	19
OHIO—													
Avon	.575	.553	.574	18	.775	10	.121	84	60	85	29	26	66
Cincinnati	.639	.716	.623	4	.918	29	.348	86	64	78	62	45	59
Elk Run	.570	.694	.544	10	.997	29	.321	82	72	84	80	51	73
Hillsborough	.549	.600	.537	5	.877	23	.314	85	66	77	46	40	52
Montville	.547	.557	.539	11	.883	29	.298	86	62	83	67	40	67
Savannah	.544	.507	.523	18	.802	29	.273	86	49	85	75	27	42
Westerville	.578	.598	.607	3	.799	29	.331	89	60	85	77	41	69
MICHIGAN—													
Detroit	.496	.743	.520	11	1.038	31	.309	70	64	71	46	40	55
Fort Gratiot (*g*)	.414	.513	.530	10	.789	31	.245	77	44	63	62	48	33
Lake George	.436	.519	.423	11	.717	27	.247	84	57	73	65	40	63
Marquette	.420	.477	.417	13	.668	29	.188	76	62	82	48	30	54
Monroe Piers (*h*)	.556	.571	.590	8	.793	29	.278	72	62	67	56	35½	52
Ontonagon (*i*)	.453	.517	.....	10	.772	29	.225	71	66	.....	49	31	.....
Ottawa Point (*j*)	.563	.674	.629	10	.931	28	.269	82	81	81	62	53	39
Thunder Bay Island (*k*)	.487	.518	.509	17	.685	5	.216	75	73	78	37	47	51
Ypsilanti	.500	.492	.537	12	.745	31	.191	82	54	73	74	26	52

a Same amount on the 5th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 18th.
d Same amount on the 26th and 31st.
e Same amount on the 19th and 20th.
f Same amount on the 22d.
g Imperfect. Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .532; mean relative humidity at 9 a. m., 66.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .537; mean relative humidity at 6 a. m., 85.
i Observations taken at 9 a. m. and 3 p. m.
j Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .529; mean relative humidity at 6 a. m., 89.
k Observations taken at 6 a. m., 9 p. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .461; mean relative humidity at 6 a. m., 83.

No. 33.—PSYCHROMETER, AUGUST, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
INDIANA—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
New Harmony	.707	.763	.748	3	1.065	24	.476	91	70	92	81	51	69
ILLINOIS—													
Augusta	.579	.669	.612	9	*a*.845	29	.341	91	66	86	80	50	73
Batavia, [Mead]	.550	.660	.541	11	.998	31	.251	82	54	80	67	24	46
Manchester (*b*)	.653	.794	.661	6	.958	20	.336	92	76	92	81	61	81
Peoria	.557	.535	.585	10	.780	29	.301	78	49	70	65	33	49
Upper Alton	.585	.815	.630	17	1.188	29	.376	86	76	84	66	62	65
Wheaton	.506	.452	.469	10	.710	31	.155	73	45	73	63	17	54
MISSOURI—													
St. Louis	.592	.574	.610	3	.810	29	*c*.396	73	50	73	53	31	43
WISCONSIN—													
Appleton	.573	.644	.546	17	1.283	29	.076	80	58	82	14	37	49
Milwaukee, [Larkin]	.531	.572	.557	14	.785	31	.289	------	------	------	------	------	------
Superior (*d*)	.474	.475	.494	16	.745	28	.231	83	68	72	65	40	51
IOWA—													
Dubuque	.516	.477	.551	16	.739	28	.272	75	44	72	55	27	54
Fairfield	.536	.522	.518	10	.718	29	.282	73	55	72	53	36	45
Muscatine	.655	.723	.718	12	*a*.942	29	.460	82	78	83	79	60	73
MINNESOTA—													
Beaver Bay, [Clark]	.441	.414	.418	11	.566	28	.236	87	72	85	70	46	65
Beaver Bay, [Wieland]	.513	.742	.485	9	1.255	28	.247	91	85	96	79	60	85
CALIFORNIA—													
Sacramento	.409	.481	.462	6	.564	20	.350	73	63	71	65	29	56
San Francisco	.389	.388	.393	3	.497	30	.330	84	62	88	67	41	80
MEXICO—													
Mirador (*e*)	1.491	1.640	1.693	23	1.885	27	1.250	------	------	------	------	------	------
Vera Cruz (*b*)	.883	------	.931	----	------	----	------	83	------	81	------	------	------
WEST INDIES—													
St. George's, Bermuda (*f*)	------	------	------	?	.914	?	.689	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*g*)	.523	.547	.538	----	------	----	------	69	69	95	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.767	.828	.846	16	.887	13	.693	89	63	83	81	54	78

a Same amount on the 17th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 19th.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 6 a. m., .406; mean relative humidity at 6 a. m., 93.
e Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."
f Mean force of vapor, .804; mean relative humidity, 82; minimum, 63.
g Observation taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m., .510; mean relative humidity at 4 a. m., 97.5.

No. 34.—PSYCHROMETER, SEPTEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a.m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.331	.364	.354	11	.604	15	.139	81	70	78	54	46	53
St. Martin (*a*)	.312	.389	.357	11	.590	15	.139	85	68	86	56	39	72
Toronto (*a*)	.308	.350	.337	10	.593	15	.068	82	65	81	48	20	64
Windsor	.341	.400	.361	25	.600	16	.173	93	69	90	67	46	66
Wolfville	.349	.426	.341	19	.577	16	.155	83	76	84	56	45	58
MAINE—													
Gardiner	.364	.409	.363	20	.635	6	.101	90	70	89	59	18	58
Perry	.346	.381	.349	----	?	----	?	80	69	89	------	------	------
Portland	.342	.342	.355	20	.591	15	.182	87	61	83	66	36½	53
Steuben	.314	.392	.311	27	.549	17	.037	79	72	83	14	46	57
NEW HAMPSHIRE—													
Mount Washington	.188	.209	.201	11	.374	15	.068	99	98	99	93	84	93
VERMONT—													
Burlington	.346	.385	.353	27	.581	15	.115	79	69	78	51	45	53
MASSACHUSETTS—													
Amherst	.376	.470	.410	20	.717	15	.157	94	68	90	60	43	66
Cambridge	------	------	------	----	------	----	------	95	84	90	79	68	74
Lawrence	.326	.323	.346	11	.586	14	.097	77	57	76	51	22	52
Nantucket	.406	.396	.413	4	.613	15	.165	70	60	76	31	32	55
New Bedford	.413	.423	.421	4	.666	14	.098	89	69	88	67	20	55
Westfield	.437	.365	.382	20	.631	14	.110	85	57	86	59	25	69
Worcester	.398	.461	.416	20	.759	15	.214	95	73	93	81	38	74
RHODE ISLAND—													
Providence (*b*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.361	.392	.392	11	.635	15	.115	87	57	85	63	21	64
Pomfret	.390	.463	.405	21	.720	15	.195	96	82	95	82	57	81
Wallingford	.376	.393	.400	11	*c*. 641	15	.118	90	60	87	63	26	59
NEW YORK—													
Bellport	.422	.469	.440	11	.706	15	.162	83	75	84	48	37	60
Buffalo (*a*)	.370	.388	.400	10	.648	15	.108	77	62	79	37	43	47
Cazenovia	.335	.351	.350	9	.604	15	.078	85	64	88	50	25½	63
Charlotte (*d*)	.343	.419	.406	10	.680	14	.117	81	69	72	39	45	49
Dansville	.394	.439	.404	10	.811	15	.090	95	70	88	70	39	28
Fort Niagara (*e*)	.366	.432	.421	10	.658	14	.170	86	74	78	39	42	37
Henrietta	.419	.427	.397	10	.695	15	.086	81	70	86	46	35	24
New York city	.410	.422	.417	21	.633	14	.136	77	59	72	40	27	35
Rochester	.361	.363	.384	10	.648	14	.074	83	56	84	25	31	45
Sackett's Harbor (*f*)	.338	.401	.387	10	.577	15	.147	28	64	68	62	48	49
Waterford	.373	.430	.406	19	.662	15	.199	87	69	82	71	40	58
PENNSYLVANIA—													
Berwick	.439	.496	.445	----	?	----	?	87	75	84	------	------	------
Carlisle	.401	.421	.441	21	.718	15	.175	75	60	77	50	30	57
Chambersburg	.469	.509	.555	21	.759	15	.242	79	71	70	66	45	66
Easton (*a*)	.409	.383	.389	20	.630	15	.129	79	58	82	54	27	53
Harrisburg	.379	.394	.428	21	.680	15	.164	77	53	72	53	29	34
Lewisburg	.394	.410	.400	11	.720	14	.132	85	60	80	55	23	45
Mount Joy	.463	.580	.528	21	.758	15	.308	83	76	80	72	39	63
Norristown	.411	.399	.419	20	.655	15	.140	79	59	76	43	28	45
Philadelphia	.438	.462	.472	20	*g*.658	15	.181	79	59	76	53	29	51
Somerset	.401	.474	.425	19	.677	15	.225	93	68	89	70	49	76
MARYLAND—													
Annapolis	.504	.514	.579	21	.812	15	.231	87	63	79	55	35	51
Frederick	.447	.490	.516	20	1.232	15	.245	85	69	82	58	42	52
DISTRICT OF COLUMBIA—													
Washington	.480	.475	.525	20	.782	15	.216	83	60	79	60	28	49

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Mean relative humidity, 69.
c Same amount on the 20th.
d Observations taken at 6 and 9 a. m., 3 and 9 p. m. Mean force of vapor at 9 a. m., .386; mean relative humidity at 9 a. m., 78.
e Observations taken at 6 and 9 a. m., 3 and 9 p. m. Mean force of vapor at 9 a. m., .381; mean relative humidity at 9 a. m., 78.
f Observations taken at 6 and 9 a. m., 3 and 9 p. m. Mean force of vapor at 9 a. m., .355; mean relative humidity at 9 a. m., 72.
g Same amount on the 21st.

No. 34.—PSYCHROMETER, SEPTEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches*		*Inches.*		*Inches*						
VIRGINIA—													
Montross	.548	.622	.564	21	.812	15	.308	93	79	92	69	63	83
NORTH CAROLINA—													
Murfreesborough	.591	.736	.662	----	?	----	?	90	80	88	------	------	------
SOUTH CAROLINA—													
All Saints	.671	.830	.679	12	1.151	26	*a* .438	91	85	88	83	58	68
Columbia	.686	.956	.729	12	1.255	24	.469	92	88	91	84	49	79
St. John's	.622	.685	.670	5	.928	24	*b*. 473	89	66	86	57	46	74
GEORGIA—													
Athens	.552	.592	.597	4	.762	24	.414	89	64	86	79	49	68
Augusta	.615	.698	.710	4	.915	23	.466	75	64	74	64	50	68
Clarksville	.503	.617	.589	4	.854	23	.282	87	71	83	58	41	56
Savannah	.699	.692	.704	5	.939	25	.405	85	63	81	68	38	53
Thomaston	.614	.760	.723	----	?	24	.443	86	74	80	65	56	64
FLORIDA—													
Jacksonville	.845	.927	.841	4	1.065 *c*	22	.612	88	77	89	82	64	85
Micanopy	.730	.695	.724	5	.855	24	.487	89	59	82	69	41	71
Warrington	.953	1.017	.994	13	1.189	22	.658	93	87	91	83	75	74
ALABAMA—													
Selma	.521	.417	.498	28	.596	3	.291	77	41	61	46	19	44
MISSISSIPPI—													
Columbus	.597	.650	.662	19	.863	21	.394	90	61	87	79	45	67
Paulding	.693	.731	.755	5	.891	21	.487	90	69	83	79	47	66
TEXAS—													
Austin, [Palm]	.690	.579	.641	----	?	----	?	81	51	73	------	------	------
Austin, [Van Nostrand]	.720	.647	.698	9	.870	19	.323	90	55	82	66	27	44
Larissa	.676	.691	.687	10	.884	21	.342	90	61	82	78	36	64
Sisterdale	.643	.589	.619	28	.798	19	.223	82	50	78	58	21	54
TENNESSEE—													
Glenwood	.521	.558	.542	12	.785	15	.342	90	63	86	78	42	67
Memphis	.598	.616	.651	11	.839	20	.416	90	65	89	77	47	73
KENTUCKY—													
Bardstown	.495	.518	.531	30	.733	14	.232	86	62	86	74	34	61
Springdale (*d*)	.414	.495	.514	16	.812	14	.222	87	61	75	80	38	59
OHIO—													
Avon	.405	.466	.418	10	.725	13	.203	78	68	83	46	39	58
Cincinnati	.472	.635	.528	27	.884	15	*e*. 308	87	74	85	74	37	69
Elk Run	.422	.544	.433	10	.883	6	.133	87	73	83	50	36	32
Hillsborough	.426	.470	.440	11	.720	15	.212	88	67	80	60	39	53
Montville	.413	.436	.428	30	.693	15	.194	86	67	82	64	40	60
Savannah	.403	.448	.412	10	.733	13	.209	87	64	82	61	34	62
Westerville	.438	.483	.477	10	.726	15	.200	88	62	86	59	37	58
MICHIGAN—													
Detroit	.358	.447	.366	10	.679	14	.095	76	64	70	60	20	37
Grand Haven	.364	.403	.380	10	.658	4	.190	82	66	74	63	44	31
Lake George	.291	.367	.328	10	.584	15	.136	86	64	79	69	27	65
Marquette	.301	.328	.287	10	.583	30	.122	77	61	78	56	17	32
Monroe Piers (*f*)	.389	.408	.416	10	.651	14	.173	84	66	72	64	39	42
Ontonagon	.332	.380	------	28	.854	14	.160	75	70	------	46	33	------
Ottawa Point (*g*)	.354	.407	.391	10	.621	14	.160	85	71	74	58	42	45
Thunder Bay Island (*h*)	.329	.355	.341	8	.600	14	.138	83	72	77	71	43	52
Ypsilanti	.353	.389	.363	10	.667	14	.157	79	61	74	51	35	51
INDIANA—													
Michigan City (*i*)	.370	.414	.405	10	.718	6	.139	78	70	72	41	42	46
New Harmony	.548	.636	.602	10	.891	14	.403	94	77	93	88	58	58
ILLINOIS—													
Augusta	.421	.496	.456	10	.786	3	.244	90	68	85	60	31	63

a Same amount on the 27th.
b Same amount on the 23d.
c Same amount on the 5th and 13th.
d For changes in hours of observation, &c., see table of the thermometer for this month.
e Same amount on the 4th.
f Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 9 a. m., .389; mean relative humidity at 9 a. m., 78.
g Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 9 a. m., .373; mean relative humidity at 9 a. m., 81.
h Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 9 a. m., .337; mean relative humidity at 9 a. m., 74.
i Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 9 a. m., .391; mean relative humidity at 9 a. m., 73.

No. 34.—PSYCHROMETER, SEPTEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m	Date.	Amt.	Date	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches*		*Inches.*						
Batavia	.391	.518	.416	10	.936	2	.208	87	64	82	61	30	60
Manchester (*a*)	.486	.614	.524	25	.904	20	.311	97	82	95	81	56	87
Peoria	.395	.430	.430	10	.762	3	.137	74	54	71	46	18	47
Upper Alton	.456	.653	.486	10	1.065	4	.236	88	81	88	70	47	73
Wheaton	.358	.346	.361	10	.779	1	.194	78	51	75	41	12	41
MISSOURI—													
St Louis	.471	.474	.508	10	.752	2	.263	80	56	81	48	37	57
WISCONSIN—													
Appleton	.358	.437	.374	10	.904	3	.177	78	62	82	51	29	49
Milwaukee, [Lapham]	.368	.376	.387	10	.677	3	.146	80	64	76	36	22	43
Milwaukee, [Larkin]	.391	.421	.402	10	.733	14	.238	------	------	------	------	------	------
Superior (*b*)	.298	.348	.336	10	.510	13	.133	93	73	75	41	40	21
IOWA—													
Dubuque	.353	.380	.378	10	.717	1	.154	77	54	72	56	24	53
Fairfield	.342	.422	.334	10	.664	3	.150	71	56	71	53	27	62
Muscatine	.501	.543	.546	10	.843	21	.362	85	84	83	69	72	73
MINNESOTA—													
Beaver Bay, [Clark]	.325	.329	.317	9	.491	14	.149	92	74	91	70	40	66
Beaver Bay, [Wieland]	.319	.449	.315	9	.705	14	.155	89	78	91	71	57	61
CALIFORNIA—													
Sacramento	.372	.425	.433	15	*c*.543	22	.226	71	57	69	53	25	45
San Francisco	.382	.383	.373	15	.510	28	.243	82	59	80	46	27	39
Santa Clara	.347	.362	.368	2	.449	23	.163	77	43	75	26	19	40
MEXICO—													
Mirador (*d*)	1.421	1.560	1.555	23	1.825	13	1.190	------	------	------	------	------	------
WEST INDIES—													
St George's, Bermuda (*e*)	------	------	------	?	.970	?	.532	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*f*)	.505	.534	.526	----	------	----	------	72	74.5	95	------	------	------
SOUTH AMERICA—													
Cathar'a Sophia, Surinam (*a*)	.792	.874	.845	17	.997	9	.718	89	68	84	86	54	78

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Observations taken at 6 and 9 a. m., 3 and 6 p. m. Mean force of vapor at 9 a. m., .318; mean relative humidity at 9 a. m., 81.

c Same amount on the 16th.

d Observations taken at 7 a. m., 2 and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

e Mean force of vapor, .804; mean relative humidity, 82; minimum, 59.

f Observations taken at 4 and 10 a. m., 4 and 10 p. m. Mean force of vapor at 4 a. m., .502; mean relative humidity at 4 a. m., 90.

No. 35.—PSYCHROMETER, OCTOBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA—													
Montreal	.203	.228	.216	5	.524	23	.100	76	67	74	49	36	54
St. Martin (*a*)	.185	.249	.204	5	.574	26	.069	81	66	79	59	30	67
Toronto (*a*)	.209	.216	.214	4	.461	21	.075	82	59	78	61	30	53
Windsor	.228	.235	.223	2	.517	16	.092	84	62	81	51	29	60
Wolfville	.206	.245	.216	2	.529	16	.106	79	72	82	54	39	62
MAINE—													
Perry	.228	.238	.263	2	.449	12	.000	90	66	97	58	0	58
Portland	.203	.222	.218	2	.466	26	.061	77	57	75	58	25	50
Steuben	.194	.228	.213	13	.460	8	.037	78	66	78	58	14	47
VERMONT—													
Burlington	.207	.223	.214	4	.545	21	.065	70	63	70	42	40	45
Lunenburg	.184	.221	.208	5	.581	17	.000	90	74	92	48	0	58
MASSACHUSETTS—													
Amherst	.259	.271	.248	5	.554	26	.095	90	60	78	61	36	57
Bridgewater	.272	.402	.296	2	.664	19	.087	95	94	88	70	32	27
Cambridge	------	------	------	------	------	------	------	89	80	83	78	68	73
Lawrence	.197	.227	.223	18	.518	26	.047	70	52	72	48	21	58
Nantucket	.265	.276	.283	8	.576	26	.104	68	59	73	49	39	50
New Bedford	.258	.251	.267	2	.590	20	.057	86	59	81	62	22	48½
Westfield	.208	.217	.231	5	.564	27	.064	79	48	75	51	25	38
Worcester	.242	.296	.261	4	.597	26	.117	89	69	84	67	46	36
RHODE ISLAND—													
Providence (*b*)	------	------	------	------	------	------	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.233	.218	.237	18	.500	26	.055	84	42	74	53	23	52
Pomfret	.245	.306	.246	5	.631	26	.105	91	74	85	77	56	62
Wallingford	.231	.224	.228	18	.556	27	.058	81	45	73	49	21	46
NEW YORK—													
Bellport	.269	.296	.277	14	.618	20	.108	81	66	82	60	40	42
Buffalo (*a*)	.248	.250	.249	13	.543	21	.097	79	64	71	61	39	50
Cazenovia	.197	.194	.201	1	.441	26	.074	82	59	76	60	33	46
Charlotte (*c*)	.224	.258	.243	1	.497	26	.066	79	65	66	57	43	46
Dansville	.237	.247	.241	1	.505	21	.096	86	65	84	66	42	56
Fordham	.253	.273	.264	1	.539	21	.083	77	52	68	52	32	40
Hemietta	.308	.295	.240	5	.585	21	.099	72	71	84	36	29	64
New York city	.250	.268	.266	1	.559	26	.069	70	54	65	37	31	29
Rochester	.217	.211	.218	5	.439	21	.053	78	53	74	50	26	33
Sackett's Harbor (*d*)	.209	.229	.225	4	.503	26	.090	73	61	63	45	49	49
PENNSYLVANIA—													
Berwick	.241	.271	.263	8	.516	24	.117	84	64	79	64	32	63
Carlisle (*a*)	.266	.299	.298	1	.549	21	.092	77	58	71	32	24	50
Chambersburg	.351	.403	.430	1	.612	10	.176	71	68	71	40	45	27
Easton (*a*)	.238	.219	.246	4	.492	28	.052	75	46	75	35	18	49
Harrisburg, [Hickok]	.211	.216	.225	1	.549	21	.051	67	43	58	25	19	23
Lewisburg	.230	.238	.226	1	.508	21	.066	84	53	71	43	26	45
Mount Joy	.297	.432	.362	4	.773	24	.138	78	77	79	53	66	61
Norristown	.246	.269	.267	14	.619	21	.077	83	56	72	41	27	44
Philadelphia	.259	.274	.280	1	.569	21	.065	75	50	69	50	23	33
Somerset	.231	.279	.248	4	.568	29	.074	91	62	83	76	24	68
MARYLAND—													
Annapolis	.292	.311	.351	1	.668	21	.048	85	51	78	59	15	49
Chestertown	.260	.263	.262	12	.619	21	.066	69	53	64	43	23	37
Frederick	.253	.276	.266	3	.611	21	.087	79	58	74	48	36	54
DISTRICT OF COLUMBIA—													
Washington	.277	.278	.310	1	.612	21	.066	78	53	77	47	23	40
VIRGINIA—													
Montross	.255	.338	.274	18	.586	14	.068	83	78	83	58	45	64

* The maxima being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.

b Mean relative humidity, 57.
Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .239. Mean relative humidity at 9 a. m., 74.

d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .225. Mean relative humidity, at 9 a. m., 70.

No. 35.—PSYCHROMETER, OCTOBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
North Carolina—													
Murfreesborough	.369	.546	.437	14	.785	22	.188	96	82	94	90	63	89
South Carolina—													
All Saints	.410	.475	.416	6	.884	29	.133	83	63	78	57	28	49
St. John's	.375	.436	.418	18	.785	31	.148	84	57	79	60	32	40
Georgia—													
Augusta	.397	.453	.439	1	.652	31	.169	68	55	63	55	45½	45
Clarksville	.294	.419	.387	13	.685	27	.127	95	59	89	60	25	60
Savannah	.416	.426	.459	1	.760	29	.150	78	49	72	53	32	35
Thomaston	.392	.539	.526	1	.914	31	*a* .178	82	71	77	39	56	63
Florida—													
Jacksonville	.568	.675	.581	13	.922	29	.283	84	73	84	73	60	63
Micanopy	.500	.525	.521	2	.826	30	.176	84	57	79	57	30	60
Warrington	.642	.939	.614	6	1.111	30	.265	94	92	94	80	82	81
Alabama—													
Greensborough (*b*)	.365	.376	.412	----	?	----	?	84	44	82	?	?	?
Orville	.389	.384	.409	18	.626	27	.163	88	51	76	57	26	25
Mississippi—													
Columbus	.338	.369	.391	17	.761	27	.112	86	48	79	42	19	47
Hernando	.326	.359	.352	17	.785	30	.090	76	46	71	43	29	41
Texas—													
Austin, [Palm]	.370	.337	.367	17	.731	27	.023	72	38	64	7	4	14
Austin, [Van Nostrand]	.435	.411	.445	17	.826	27	.110	85	45	75	28	17	32
Bonham	.345	.331	.347	17	.977	29	.064	76	37	64	40	18	25
Larissa	.405	.445	.419	17	.792	27	.137	80	50	67	43	24	36
Sisterdale	.373	.384	.393	17	.727	27	.037	79	42	77	21	6	24
Tennessee—													
Glenwood	.277	.277	.293	3	.641	26	.035	81	42	73	14	15	5
Memphis	.297	.346	.377	17	.731	28	.094	85	50	79	50	26	38
Kentucky—													
Bardstown	.276	.302	.295	17	.583	29	.111	86	53	79	46	28	34
Springdale (*b*)	.221	.283	.274	2	.570	21	.090	79	49	60	37	27	32
Lexington	.242	.280	.255	14	.551	30	.095	73	49	65	32	21	22
Ohio—													
Avon	.243	.302	.258	4	.588	27	.127	77	69	76	61	47	50
Brecksville	.211	.335	.235	14	*c* .516	27	.070	67	72	67	39	53	39
Cincinnati, [Harper]	.279	.380	.309	4	.639	21	.123	87	66	81	70	49	63
Elk Run	.213	.311	.258	3	.581	27	.099	81	69	80	46	36	54
Hillsborough	.238	.240	.240	17	.556	21	.092	80	50	65	54	25	37
Montville	.238	.254	.242	17	.513	31	.110	84	62	76	66	14½	44
Savannah	.222	.275	.247	4	.470	28	.129	87	65	83	68	39	65
Westerville	.256	.282	.298	17	.591	20	.097	89	58	85	68	39	58
Michigan—													
Detroit	.236	.301	.215	3	.554	29	.092	76	67	78	57	34	50
Grand Haven	.232	.255	.235	17	.505	5	.076	78	68	72	45	31	14
Marquette	.174	.191	.182	17	.356	11	.088	73	66	77	37	14	43
Monroe Piers (*d*)	.224	.229	.236	4	.462	29	.085	78	56	62	49	26	30
Ottawa Point (*e*)	.230	.262	.263	4	.577	20	.066	83	71	77	43	35	50
Thunder Bay Island (*f*)	.198	.213	.212	3	.429	20	.105	75	66	71	59	51	55
Ypsilanti	.203	.208	.214	17	.507	20	.090	75	54	66	50	25½	49
Indiana—													
Michigan City (*g*)	.226	.253	.250	12	.465	15	.087	75	71	68	62	26	21
New Harmony	.294	.351	.334	17	.644	29	.097	90	58	86	63	25	39
Illinois—													
Augusta	.231	.299	.234	3	.606	28	.031	79	55	69	20	37	41

a Same amount on the 30th.
b For changes in hours of observation, &c., see table of the thermometer for this month.
c Same amount on the 23d.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .229. Mean relative humidity, at 9 a. m., 72.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .236. Mean relative humidity at 9 a. m., 80.
f Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .194. Mean relative humidity at 9 a. m., 65.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .238. Mean relative humidity at 9 a. m., 72.

No. 35.—PSYCHROMETER, OCTOBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches*						
Batavia, [Mead]	.217	.292	.227	14	.529	14	.090	83	55	78	57	31	28
Manchester (*a*)	.302	.424	.315	3	.829	31	.118	94	65	91	79	24	65
Peoria	.227	.246	.244	17	.686	27	*b* .084	75	43	64	48	18	32
Wheaton	.213	.212	.223	17	.588	14	.048	81	46	75	49	9	42
MISSOURI—													
St. Louis	.265	.261	.275	17	.639	30	.100	75	42	66	42½	20	44
WISCONSIN—													
Appleton	.205	.281	.246	3	.969	20	.047	74	64	78	24	13	27
Milwaukee, [Lapham]	.210	.217	.216	17	.529	31	.096	68	51	64	45	25	25
Milwaukee, [Larkin]	.285	.344	.283	10	.500	25	*c* .212	------	------	------	------	------	------
Superior City, [Stuntz] (*d*)	.183	.215	.211	4	.452	31	.092	85	68	72	65	32	29
IOWA—													
Dubuque	.228	.215	.211	17	.512	6	.039	77	45	62	47	7	22
Fairfield	.210	.210	.194	16	.456	14	.063	67	40	54	34	20	22
Muscatine	.335	.348	.364	3	.631	18	.177	84	80	82	65	66	68
MINNESOTA—													
Beaver Bay, [Clark]	.197	.196	.194	16	.412	28	.095	90	66	82	64	32	51
Beaver Bay, [Wieland]	.175	.240	.189	10	.449	20	.063	84	77	87	65	36	52
CALIFORNIA—													
Sacramento	.320	.370	.411	8	.543	17	.186	71	51	70	50	32	45
San Francisco	.360	.370	.373	19	.491	1	*e* .256	83	57	80	44	17	29
Santa Clara	.303	.351	.367	4	.489	17	.192	79	43	75	45	14	46
MEXICO—													
Mirador (*f*)	1.452	1.512	1.564	17	1.880	9	1.000	------	------	------	------	------	------
WEST INDIES—													
St. George's, Bermuda (*g*)	------	------	------	?	.887	?	.348	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*h*)	.497	.517	.517	----	------	----	------	71	71.5	93	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*a*)	.781	.859	.834	7	.983	30	.706	90	65	82	82	53	74

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 28th.
c Same amount on the 27th and 29th.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .187. Mean relative humidity at 9 a. m., 74.
e Same amount on the 2d.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."
g Mean force of vapor, .643; mean relative humidity, 79; minimum 53.
h Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m., .503. Mean relative humidity at 4 a. m., 97.

No. 36.—PSYCHROMETER, NOVEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
BRITISH AMERICA —													
Montreal	.149	.165	.162	18	.323	29	.063	83	78	82	64	52	53
St. Martin (*a*)	.127	.167	.150	18	.328	25	.042	81	79	84	69	66	67
Toronto (*a*)	.183	.199	.194	18	.328	28	.095	83	72	80	53	35	49
Windsor	.172	.195	.183	19	.487	30	.057	89	72	84	76	50	56
Wolfville	.169	.218	.161	18	.478	30	.056	83	77	81	64	48	55
MAINE—													
Gardiner	.173	.208	.170	19	.466	27	.005	95	79	92	50	2	43
Portland	.175	.185	.190	19	.410	29	.068	80	67	81	46	29	54
Steuben	.176	.196	.184	9	.456	29	.040	86	72	83	58	23	31
VERMONT—													
Burlington	.164	.156	.159	19	.478	29	.055	72	55	67	49	19	33
MASSACHUSETTS—													
Amherst	.202	.233	.212	19	.581	24	.083	85	67	81	58	36	49
Bridgewater	.221	.297	.247	5	.740	29	.072	88	79	86	36	36	24
Cambridge	------	------	------	---	------	---	------	89	84	88	73	67	68
Lawrence	.158	.198	.191	13	.516	16	.073	71	59	74	52	25	57
Nantucket	.223	.240	.229	10	.438	29	*b*. 117	72	63	75	46	43	51
New Bedford	.224	.246	.237	19	.474	3	.090	88	66	88	58	26	70
Westfield	.168	.198	.194	19	.568	7	.073	80	56	80	55	29	59
Worcester	.216	.250	.203	13	.537	14	.135	92	75	88	73	46	65
RHODE ISLAND—													
Providence (*c*)	------	------	------	---	------	---	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.174	.197	.186	19	.480	25	*d*. 052	76	49	73	47	13	34
Pomfret	.206	.253	.216	13	.518	15	.100	89	78	88	68	57	62
Wallingford	.189	.211	.203	19	.500	7	.099	85	55	79	54	25	56
NEW YORK—													
Bellport	.225	.239	.232	19	.436	20	.008	80	68	83	54	2	36
Buffalo (*a*)	.196	.215	.203	18	.375	14	.106	70	68	69	43	40	43
Cazenovia	.174	.168	.172	19	.445	7	.066	78	61	73	43	18	31
Charlotte (*e*)	.175	.200	.189	18	.380	19	.062	75	68	69	45	22	23
Dansville	.182	.185	.194	19	.395	20	.088	80	58	76	55	24	45
Fordham	.217	.246	.241	19	.518	6	.085	78	62	76	43	21	53
Henrietta	.219	.236	.205	5	.695	30	.087	75	72	83	30	44	56
New York city	.217	.250	.232	17	.483	6	.070	72	63	69	42	36	24
Rochester, [Mathews]	.166	.177	.181	18	.388	14	.076	74	59	73	45	27	46
Sackett's Harbor (*f*)	.164	.185	.177	18	.356	28	.088	72	65	67	49	44	35
PENNSYLVANIA—													
Berwick	.199	.233	.213	19	.473	14	.106	80	65	79	58	39	63
Chambersburg	.371	.412	.471	18	.608	14	.269	71	69	71	62	53	64
Easton (*a*)	.199	.191	.198	19	.523	14	.071	76	52	77	51	21	45
Harrisburg, [Hickok]	.179	.184	.186	20	.460	28	.048	68	46	64	28	15	26
Lewisburg	.182	.190	.186	18	.418	16	.000?	79	55	73	50	0?	40
Norristown	.215	.255	.243	18	*g*. 518	25	.123	85	64	81	49	38	45
Philadelphia	.227	.241	.241	19	.559	14	.112	77	56	71	42	32	46
Somerset	.188	.230	.214	18	.433	13	.074	86	63	80	61	44	55
MARYLAND—													
Annapolis	.241	.261	.283	13	.476	13	.093	85	62	80	54	38	56
Chestertown	.217	.229	.221	18	.517	13	.076	69	50	62	29	23	23
Frederick	.208	.206	.211	19	.469	16	.043	77	53	72	42	12	47
DISTRICT OF COLUMBIA—													
Washington	.238	.237	.262	18	.523	14	.077	79	55	76	52	26	33
NORTH CAROLINA—													
Murfreesborough	.345	.476	.393	18	.695	14	.135	98	89	95	93	79	87
SOUTH CAROLINA—													
All Saints	.373	.438	.406	18	.655	14	.100	87	70	84	57	42	42

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 25th.
c Mean relative humidity, 61.
d Same amount on the 6th.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .185; mean relative humidity at 9 a. m., 72.
f Observations taken at 6 a. m., 9 a. m., 3 p. m. and 6 p. m. Mean force of vapor at 9 a. m., .168; mean relative humidity at 9 a. m., 70.
g Same amount on the 19th.

No. 36.—PSYCHROMETER, NOVEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt	7 a. m.	2 p. m	9 p. m.	7 a. m.	2 p. m.	9 p. m.
SOUTH CAROLINA—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Columbia, [White]	.450	.711	.499	25	1.065	29	.241	87	85	85	64	60	26
St. John's	.340	.396	.376	13	.671	14	.130	87	62	83	74	44	73
GEORGIA—													
Augusta	.290	.397	.366	27	.586	14	.127	67	58	64	49	46	29½
Clarksville	.227	.323	.299	26	.537	14	.000	93	55	87	70	0	61
Thomaston	.338	.491	.423	11	.691	14	.100	82	75	76	46	55	57
FLORIDA—													
Jacksonville	.471	.580	.481	12	.829	13	.142	85	75	84	52	53	51
Micanopy	.411	.421	.455	13	.752	13	.097	88	56	83	55	35	35
Warrington	.584	.732	.661	30	.977	14	.298	94	82	93	88	68	87
ALABAMA—													
Greensborough (*a*)	.333	.357	.346	....	?	....	?	80	51	75	?	?	?
Orville	.309	.371	.371	11	.563	13	.094	90	55	81	60	32	49
MISSISSIPPI—													
Columbus	.304	.362	.347	26	.630	13	.081	88	55	77	64	26	41
Hernando	.291	.352	.352	24	.637	13	.065	73	59	75	36	27	31
TEXAS—													
Austin, [Palm]	.368	.342	.369	25	.695	14	.003	78	41	64	29	1	12
Austin, [Van Nostrand]	.402	.385	.410	23	.745	13	.043	87	43	69	51	9	27
Bonham	.327	.306	.300	23	.639	14	.000	73	39	56	0	0	6
Larissa	.404	.433	.424	26	.724	?	?	82	54	68	43?	12?	42?
Sisterdale	.332	.341	.362	30	.785	13	*b*.000	82	40	75	0	0	40
TENNESSEE—													
Glenwood	.234	.246	.266	30	.529	13	.070	79	49	70	32	21	28
Memphis	.286	.303	.309	30	.591	14	.073	78	54	70	53	20	30
KENTUCKY—													
Bardstown	.217	.282	.263	11	.505	13	.032	76	59	76	38	34	46
Lexington	.208	.239	.225	12	.457	?	?	72	54	66	?	?	?
Springdale (*a*)	.199	.258	.244	25	.497	28	.038	73	60	67	32	9	14
OHIO—													
Avon	.187	.228	.216	12	.537	13	.048	72	64	73	40	31	34
Brecksville	.160	.253	.194	9	*c*.451	15	.048	65	67	67	37	32	37
Cincinnati	.221	.318	.256	12	.537	14	.060	83	69	78	60	44	58
Elk Run	.184	.273	.213	4	.503	14	.078	82	76	79	47	47	51
Hillsborough	.187	.224	.206	12	.505	14	.070	73	58	65	48	29	31
Montville	.180	.225	.198	12	.476	14	.078	76	66	71	47	32	43
Savannah	.178	.235	.210	12	.518	14	.070	83	67	80	60	37	40
Westerville	.210	.261	.251	12	.502	13	.074	86	65	83	64	21	60
MICHIGAN—													
Detroit	.157	.256	.150	17	.529	14	.076	67	71	67	40	44	45
Grand Haven	.189	.212	.198	4	.378	18	.064	79	77	79	18	48	15
Marquette	.139	.162	.149	7	.340	9	.019	77	76	78	9	42	52
Monroe Piers (*d*)	.179	.192	.195	10	.321	14	.080	78	68	73	63	39	40
Ottawa Point (*e*)	.183	.192	.192	8	.334	15	*f*.089	87	77	81	63	41	52
Thunder Bay Island (*g*)	.152	.153	.162	8	.290	24	.078	74	68	74	61	43	59
Ypsilanti	.163	.189	.173	4	.408	28	.042	66	61	64	27	20	30
INDIANA—													
Cannelton	.231	.246	.259	12	.558	14	.085	75	57	75	31	33	27
Michigan City (*h*)	.188	.202	.209	6	.465	14	.109	73	68	68	54	45	46
New Harmony	.253	.320	.289	6	.695	12	*i*.094	86	71	82	61	38	51
ILLINOIS—													
Augusta	.188	.239	.212	8	.549	13	.048	81	67	76	48	28	42
Batavia	.192	.256	.216	8	.478	15	.069	83	75	81	64	49	63
Manchester (*a*)	.236	.322	.282	4	.519	13	.075	96	81	93	64	49	63
Peoria	.188	.218	.217	30	.436	13	.067	79	63	73	51	22	41

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 16th and 19th.
c Same amount on the 5th, 6th, and 10th.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .183; mean relative humidity at 9 a. m., 75.
e Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .179; mean relative humidity at 9 a. m., 85.
f Same amount on the 20th.
g Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .145; mean relative humidity at 9 a. m., 67.
h Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .197; mean relative humidity at 9 a. m., 72.
i Same amount on the 13th.

No. 36.—PSYCHROMETER, NOVEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
ILLINOIS—Continued.	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
West Urbana (*a*)	------	------	------	----	------	----	------	30	27	27	13	10	10
Wheaton	.170	.193	.194	30	.389	12	.078	83	64	81	42	14	36
MISSOURI—													
St. Louis	.217	.250	.249	30	.478	13	.063	80	58	73	53	19	36
WISCONSIN—													
Appleton	.132	.177	.162	7	.438	20	.012	63	63	73	10	25	53
Milwaukee, [Lapham]	.171	.190	.186	4	.384	13	.079	72	65	70	51	26	49
Superior City, [Stuntz] (*b*)	.126	.150	.145	7	.264	30	.046	85	76	79	70	46	54
IOWA—													
Fairfield	.158	.167	.184	3	.457	5	.020	69	52	71	36	5	32
Muscatine	.236	.268	.255	4	.478	13	.123	86	84	84	71	73	75
CALIFORNIA—													
Sacramento	.317	.366	.358	11	.529	7	.189	83	79	85	56	51	71
San Francisco	.338	.362	.355	10	.523	7	.202	86	74	86	62	38	71
Santa Clara	.311	.346	.337	11	.529	17	.177	89	69	85	68	26	63
MEXICO—													
Mirador (*c*)	1.061	1.197	1.285	23	1.630	15	.605	------	------	------	------	------	------
WEST INDIES—													
St. George's, Bermuda (*d*)	------	------	------	?	.873	?	.304	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*e*)	.398	.402	.413	----	------	----	------	65	58.5	85	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*f*)	.728	.851	.843	11	*g*. 923	29	.631	86	68	85	81	59	74

a Dalton's hygrometer.

b Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .129; mean relative humidity at 9 a. m., 84.

c Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000000}$ water in the cubic space of air."

d Mean force of vapor, .599; mean relative humidity, 83; minimum, 59.

e Observations taken at 4 a. m., 10 a. m., 4 p. m., and 10 p. m. Mean force of vapor at 4 a. m., .403; mean relative humidity, 90.5.

f For changes in hours of observation, &c., see table of the thermometer for this month.

g Same amount on the 23d.

No. 37.—PSYCHROMETER, DECEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MIMIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches	*Inches.*	*Inches.*		*Inches.*		*Inches*						
BRITISH AMERICA—													
Montreal	.071	.080	.081	1	.293	24	*a*.008	77	75	75	40	23	32
St. Martin (*b*)	.061	.079	.073	1	.261	28	.007	80	80	83	52	57	60
Toronto (*b*)	.097	.110	.094	1	.370	31	.033	89	83	87	65	71	67
Windsor	.134	.136	.129	1	.383	28	.019	86	77	84	68	42	54
Wolfville	.136	.141	.129	2	.403	28	.037	90	86	88	59	60	40
MAINE—													
Portland	.102	.117	.110	2	.310	29	.031	96	85	96	61	55	68
Steuben	.102	.112	.103	1	.335	29	.013	82	74	83	39	23	37
VERMONT--													
Burlington	.058	.096	.093	1	.350	29	.016	75	72	83	54	47	59
MASSACHUSETTS—													
Amherst	.118	.142	.129	2	.433	29	.029	92	81	91	64	63	66
Bridgewater	.158	.167	.148	2	.542	29	.035	99	84	87	83	40	40
Cambridge	------	------	------	----	------	----	------	97	91	93	85	77	79
Lawrence	.097	.119	.104	1	.390	29	.013	75	73	77	37	45	38
Nantucket	.164	.172	.165	7	.407	9	.039	77	70	78	51	29	58
New Bedford	.152	.161	.156	7	.483	29	.033	89	74	86	62	46	60
Westfield	.100	.117	.112	1	.404	29	.010	88	67	80	49	26	57
Worcester	.129	.142	.127	2	.471	29	.029	94	82	93	?	?	?
RHODE ISLAND—													
Providence (*c*)	------	------	------	----	------	----	------	------	------	------	------	------	------
CONNECTICUT—													
Middletown	.108	.117	.106	2	.391	28	.028	76	61	72	40	29	44
Pomfret	.140	.169	.145	2	.418	?	?	92	91	92	?	?	?
Wallingford	.120	.131	.123	2	.420	29	.026	86	69	84	52	42	56
NEW YORK—													
Buffalo (*b*)	.111	.111	.106	1	.376	28	.020	78	69	74	54	32	49
Cazenovia	.102	.108	.108	1	.407	29	.022	90	81	89	63	51	60
Charlotte (*d*)	.105	.120	.117	1	.478	29	.030	83	79	80	63	62	66
Dansville	.112	.125	.126	1	.484	28	.029	83	75	87	63	48	59
Henrietta	.121	.140	.112	1	.491	28	*e*.036	89	94	95	31	70	38
New York city	.142	.167	.139	2	.526	28	.028	74	72	70	42	28	36
Rochester	.101	.104	.097	1	.518	12	*f*.016	79	61	71	39	14	18
Sackett's Harbor (*g*)	.838	.977	.977	1	.393	29	.009	73	72	74	30	54	52
PENNSYLVANIA—													
Berwick	.128	.138	.128	7	.407	31	.038	82	70	80	64	46	59
Chambersburg	.349	.381	.427	4	.655	8	.232	69	70	70	58	43	55
Harrisburg	.112	.135	.124	2	.490	31	.017	63	62	68	35	18	31
Lewisburg	.113	.123	.114	1	.374	31	.027	78	64	76	33	41	51
Norristown	.145	.155	.145	2	.476	31	.037	80	71	84	57	44	45
Philadelphia	.148	.171	.158	2	.551	28	.043	76	69	77	48	46	53
Somerset	.143	.170	.140	2	.476	31	.047	93	83	93	80	65	54
MARYLAND—													
Annapolis	.163	.187	.189	2	.542	31	*h*.068	84	71	81	58	48	58
Frederick	.135	.149	.129	2	.519	31	.042	76	68	69	46	31	41
DISTRICT OF COLUMBIA—													
Washington	.156	.162	.165	2	.469	24	*i*.043	81	67	74	50	39	40
NORTH CAROLINA—													
Murfreesborough	.258	.338	.285	7	.695	25	.118	99	95	97	92	81	91
SOUTH CAROLINA—													
All Saints	.310	.367	.322	7	.680	8	.094	88	72	86	57	30	50
St. John's	.289	.373	.306	5	.680	25	.096	88	68	83	66	36	50
GEORGIA—													
Augusta	.252	.310	.258	6	.596	?	?	73	58	70	51 ?	33 ?	53 ?

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a Same amount on the 30th.
b For changes in hours of observations, &c., see table of the thermometer for this month.
c Mean relative humidity for the month, 56.
d Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .113; mean relative humidity at 9 p. m., 83.
e Same amount on the 29th.
f Same amount on the 17th.
g Observations taken at 6 a. m., 9 a. m, 3 p. m., and 6 p. m. Mean force of vapor at 9 a. m., .853; mean relative humidity at 9 a. m., 70.
h Same amount on the 24th.
i Same amount on the 31st.

No. 37.—PSYCHROMETER, DECEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
GEORGIA—Continued.	*Inches.*	*Inches.*	*Inches*		*Inches.*		*Inches.*						
Clarksville	.214	.239	.249	1	.639	8	.035	94	61	93	63	17	63
Thomaston	.310	.319	.333	4	.635	8	.103	85	74	83	54	36	55
FLORIDA—													
Jacksonville	.372	.517	.417	30	.900	24	.144	83	79	84	63	67	69
Micanopy	.324	.372	.388	4	.671	10	.110	88	55	85	56	25	60
Warrington	.444	.575	.489	2	.927	8	.191	95	85	93	84	69	68
ALABAMA—													
Orville	.255	.263	.273	2	.596	24	.084	92	65	88	71	36	55
MISSISSIPPI—													
Columbus	.233	.247	.231	1	.680	8	.061	90	72	86	75	42	58
Hernando	.139	.171	.148	1	.668	31	.000	62	53	59	15	24	0
Paulding	.204	.231	.209	....	?	....	?	64	44	51	.....	.....	.....
TEXAS—													
Austin, [Palm]	.168	.162	.169	1	.591	9	.022	73	42	63	42	6	26
Austin, [Van Nostrand]	.186	.200	.197	1	.642	7	.041	77	46	69	52	15	41
Bonham	.165	.171	.154	1	.577	7	.043	87	53	75	64	15	46
Larissa	.214	.274	.245	27	.640	7	.050	90	74	83	61	44	51
Sisterdale	.176	.194	.173	1	.604	7	.051	81	51	78	46	12	45
TENNESSEE—													
Glenwood	.159	.167	.156	1	.543	23	.042	89	70	84	61	36	47
Memphis	.161	.174	.173	1	.577	7	.045	83	67	79	46	37	53
KENTUCKY—													
Bardstown	.157	.163	.147	1	.526	20	.029	87	71	81	54	38	55
Springdale (*a*)	.123	.140	.136	1	.516	7	.001	73	70	74	45	34	2
OHIO—													
Avon	.116	.131	.113	1	.552	4	.000	79	78	82	50	0	49
Brecksville	.096	.112	.083	1	.478	15	.015	69	69	68	16	36	32
Cincinnati, [Harper]	.141	.167	.137	1	.556	24	.000	84	79	85	0	?	?
Elk Run	.121	.156	.125	1	.505	8	.041	88	91	87	63	71	62
Hillsborough	.129	.142	.124	1	.523	31	.017	84	77	81	39	49	57
Montville	.119	.123	.115	1	.505	31	.027	91	84	88	67	62	71
Savannah	.106	.142	.110	1	.518	31	.000	81	85	86	0	56	58
Westerville	.126	.127	.125	1	.491	8	.026	86	66	83	48	33	54
MICHIGAN—													
Detroit	.080	.102	.065	1	.422	31	.003	62	66	60	22	33	10
Grand Haven	.107	.119	.108	1	.235	31	.054	85	85	81	67	69	36
Marquette	.059	.076	.067	10	.194	30	*b*.000	64	66	66	0	0	3
Monroe Piers (*c*)	.103	.109	.105	1	.382	31	.023	85	75	80	66	55	66
Ottawa Point (*d*)	.097	.105	.099	1	.275	30	.027	86	80	82	63	33	50
Thunder Bay Island (*e*)	.079	.079	.079	18	.178	7	.000	67	66	70	0	16	15
Ypsilanti	.098	.105	.092	1	.321	8	*b*.000	73	62	63	0	19	0
INDIANA—													
Cannelton	.143	.153	.136	1	.527	22	.038	86	74	82	72	45	57
Michigan City (*f*)	.073	.100	.100	1	.195	8	*g*.010	56	64	62	19	28	31
New Harmony	.138	.144	.141	1	.570	23	.048	92	77	91	64	37	33
ILLINOIS—													
Augusta	.083	.108	.094	8	.181	31	.019	91	77	87	71	44	47
Batavia	.071	.096	.085	1	.244	8	.008	72	73	81	23	49	51
Manchester (*a*)	.107	.152	.129	10	.273	31	*h*.036	100	94	100	100	71	100
Peoria	.090	.108	.105	5	.196	31	.025	95	76	88	81	52	67
West Urbana (*i*)	.....	.....	.....	.....	.....	.....	.....	36	35	32	29	27	27
Wheaton	.085	.096	.092	1	.237	12	.001?	92	79	90	66	1?	61
MISSOURI—													
St. Louis	.113	.120	.119	1	.305	31	.030	87	69	82	69	37	64

a For changes in hours of observation, &c., see table of the thermometer for this month.
b Same amount on the 31st.
c Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .106; mean relative humidity at 9 a. m., 83.
d Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .098; mean relative humidity at 9 a. m., 85.
e Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .080; mean relative humidity at 9 a. m., 65.
f Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., 077; mean relative humidity at 9 a. m., 54. No observations after the 25th of the month.
g Same amount on the 17th.
h Same amount on the 6th and 7th.
i Dalton's hygrometer.

No. 37.—PSYCHROMETER, DECEMBER, 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Amt.	Date.	Amt.	7 a. m.	2 p. m.	9 p. m.	7 a. m.	2 p. m.	9 p. m.
	Inches.	*Inches*	*Inches.*		*Inches.*		*Inches*						
WISCONSIN—													
Appleton	.054	.082	.072	17	.178	31	*a*.000	53	60	69	0	0	0
Milwaukee, [Lapham]	.079	.090	.089	18	.181	30	.012	74	66	71	54	45	46
Superior City [Stuntz] (*b*)	.050	.068	.060	10	.155	7	.009	98	84	89	83	24	72
IOWA—													
Fairfield	.057	.074	.067	10	.170	1	.000	62	53	58	35	25	0
Muscatine	.099	.102	.095	10	*c*.203	31	.038	85	85	85	60	63	60
CALIFORNIA—													
Sacramento	.203	.252	.230	4	*d*.334	5	.090	83	77	81	53	30	38
San Francisco	.232	.240	.252	24	.380	5	.073	76	60	74	32	20	45
Santa Clara	.200	.248	.222	20	.381	5	.062	81	58	75	33	17	22
MEXICO—													
Mirador (*e*)	.400	.466	.461	2	.642	19	.325	84	74	93	55	46	77
Mirador (*f*)	1.048	1.178	1.177	2	1.585	16	.740	------	------	------	------	------	------
WEST INDIES—													
St. George's, Bermuda (*g*)	------	------	------	?	.733	?	.295	------	------	------	------	------	------
CENTRAL AMERICA—													
Guatemala (*h*)	.372	.377	.406	----	------	----	------	63	54	88.5	------	------	------
SOUTH AMERICA—													
Catharina Sophia, Surinam (*e*)	.737	.853	.832	18	.923	14	.644	88	71	83	85	62	78

a Same amount on the 6th, 7th, 8th, 23d, and 30th.
b Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .051; mean relative humidity at 9 a. m., 95.
c Same amount on the 11th.
d Same amount on the 25th.
e For changes in hours of observation, &c., see table of the thermometer for this month.
f Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000}\frac{1}{000}$ water in the cubic space of air."
g Mean force of vapor, .472; mean relative humidity, 81; minimum, 57.
h Observations taken at 4 and 10 a. m., and 4 and 10 p. m. Mean force of vapor at 4 a. m., .391; mean relative humidity at 4 a. m., 93.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	21	18	0	0	4	16	16	9	9	93	13	12	0	0	2	17	11	5	60
Red River Settlement	5	4	1	0	28	6	7	12	24	87	6	3	5	15	2	0	0	2	33
Rigolet	4	2	4	1	0	5	1	39	6	62									
St. John's	15	2	1	1	5	8	18	43	0	93	18	2	1	1	5	11	9	40	87
St. Martin	0	35	1	17	2	25	3	10	0	93									
Stanbridge	4	8	7	27	13	5	12	7	10	93									
Toronto	2	21	1	6	0	40	5	13	5	93									
Windsor	10	11	8	2	0	12	8	18	17	86	0	0	0	0	0	0	0	1	1
Wolfville	4	11	3	7	0	4	22	15	0	66	4	2	1	0	1	8	8	21	45
MAINE—																			
Cornish	14	12	6	0	3	33	16	9	0	93	0	0	0	0	0	0	3	1	4
Cornishville	4	8	2	6	8	12	14	39	0	93									
Dexter	13	9	4	2	12	10	11	24	8	93									
Gardiner	3	27	1	13	3	9	0	30	7	93	2	0	0	2	4	12	3	8	31
Perry	3	20	0	5	6	12	4	43	0	93	9	1	0	0	2	7	5	10	25
Portland	22	18	0	5	4	12	21	10	0	92	1	0	0	0	1	8	8	2	20
Steuben	3	35	0	2	0	21	2	23	7	93	2	5	0	2	0	11	7	7	34
NEW HAMPSHIRE—																			
Shelburne	0	0	18	0	0	0	40	0	23	81	1	0	0	1	0	2	18	12	34
Stratford	0	6	23	3	9	15	24	3	10	93	0	0	2	3	1	8	25	6	45
VERMONT—																			
Brandon	14	0	4	7	35	5	5	22	1	93	1	0	0	0	0	6	6	24	37
Burlington	12	13	0	6	23	19	1	16	0	90									
Crattsbury	0	15	1	4	40	7	5	20	1	93	0	2	0	0	3	1	17	10	33
Rupert											0	0	0	1	12	45	14	3	75
St. Johnsbury	42	0	7	1	23	1	7	9	3	93	1	0	1	0	2	1	3	0	8
Woodstock	5	2	0	3	6	11	8	8	15	58	0	0	0	0	0	1	9	2	12
MASSACHUSETTS—																			
Amherst	0	1	6	25	7	5	3	41	0	88	0	0	0	1	1	1	6	9	18
Bridgewater	17	5	4	3	9	22	17	16	0	93	1	2	1	1	1	8	7	4	25
Cambridge	10	7	0	1	2	31	11	10	19	91									
Danvers	17	11	1	3	3	7	7	25	19	93									
Florida	0	6	0	6	4	16	41	20	0	93	0	7	0	6	4	16	29	15	77
Lawrence	1	18	2	3	1	24	1	43	0	93									
Mendon	3	22	1	0	4	9	15	39	0	93	1	20	1	3	3	7	17	26	78
Nantucket	7	7	0	5	4	19	9	34	8	93									
New Bedford	6	8	3	3	4	21	9	38	1	93	1	1	0	0	0	4	3	4	13
Richmond	0	21	0	8	0	24	0	40	0	93	0	21	0	8	3	17	0	23	72
Westfield	10	7	8	18	4	6	16	24	0	93	0	0	0	0	0	1	0	2	3
Weymouth	0	5	0	6	2	17	6	26	0	62									
Williamstown	13	0	8	7	21	7	11	12	14	93									
Worcester	10	19	0	5	5	14	8	26	0	87	1	2	0	1	1	4	6	10	25
CONNECTICUT—																			
Columbia	3	12	0	1	4	6	0	41	26	93	3	9	0	0	3	5	0	19	39
Middletown	16	1	0	1	10	20	6	28	11	93	1	0	0	2	0	9	17	5	34
Pomfret	14	11	0	3	8	20	0	37	0	93	6	9	0	1	6	7	5	21	55
Saybrook	13	9	4	3	4	7	14	19	15	88	7	2	0	4	1	7	14	3	38
Wallingford	21	23	1	2	1	27	0	18	0	93	0	0	2	0	0	5	10	4	21
NEW YORK—																			
Baldwinsville	2	5	22	1	5	11	33	14	0	93	3	0	13	2	4	0	38	8	68
Bellport	14	10	8	3	2	16	13	26	1	93									
Beverly	0	14	0	10	6	37	0	14	0	81	0	6	0	5	5	27	7	6	56
Cazenovia	0	0	2	3	21	18	12	35	1	92	0	0	0	3	3	25	21	22	74
Eden	1	4	7	8	30	26	9	1	0	86	0	0	0	0	2	7	28	9	46
Morrisania	5	15	1	7	14	19	15	17	0	93									
Nichols	6	1	1	11	38	4	5	27	0	93	6	0	0	1	9	9	9	22	56
Ogdensburg	6	4	0	0	7	7	5	2	0	31									
Oswego	5	6	3	27	18	8	23	3	0	93									
Penn Yan	2	1	0	3	31	20	32	4	0	93									
Rochester	5	1	10	1	6	15	20	2	0	60	8	0	8	1	3	3	38	6	67
Saratoga	0	33	0	0	0	47	3	10	0	93	0	34	0	0	0	47	2	10	93
Wampsville	0	0	20	7	9	7	59	1	0	93	0	1	21	4	11	6	42	0	85

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Lambertville	6	13	1	2	12	15	4	32	0	85	----	----	----	----	----	----	----	----	----
Moorestown	4	5	6	0	0	10	5	18	0	48	----	----	----	----	----	----	----	----	----
Newark	8	11	1	2	0	20	5	14	1	62	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bellefonte	14	3	3	1	9	15	28	14	4	91	3	1	0	0	3	0	8	14	29
Berwick	1	5	29	0	4	2	40	12	0	93	----	----	----	----	----	----	----	----	----
Cannonsburg	0	0	8	3	0	18	60	4	0	93	----	----	----	----	----	----	----	----	----
Carlisle	0	0	8	11	0	1	6	27	38	91	0	0	0	4	0	1	4	24	33
Chambersburg	3	1	33	16	6	1	4	0	29	93	5	1	2	0	5	1	55	7	76
Chromedale	0	6	4	4	0	30	0	34	0	78	----	----	----	----	----	----	----	----	----
Easton	10	17	0	6	9	9	5	37	0	93	----	----	----	----	----	----	----	----	----
Fleming	1	2	18	10	1	19	12	30	0	93	1	0	0	3	1	4	26	26	61
Gettysburg	10	11	0	0	10	27	11	16	8	93	----	----	----	----	----	----	----	----	----
Harrisburg, [Heisely]	11	2	14	13	8	1	11	28	2	90	3	0	1	3	2	1	4	11	25
Harrisburg, [Hickok]	9	9	11	4	13	3	29	14	0	92	0	0	0	0	1	2	3	3	9
Lewisburg	8	4	0	2	10	5	21	3	40	93	0	0	0	0	1	5	11	1	18
Linden	3	4	19	3	1	0	22	3	2	57	----	----	----	----	----	----	----	----	----
Morrisville	5	5	9	1	11	28	11	21	2	93	0	3	8	0	2	22	15	11	61
Mount Joy	2	1	0	22	3	6	1	6	52	93	1	0	0	0	1	3	0	0	5
Murrysville	0	5	9	4	0	48	9	3	12	90	0	0	0	0	1	30	7	7	45
Norristown	0	3	10	12	3	10	37	3	0	78	0	0	4	6	4	13	32	1	60
North Whitehall	0	2	2	0	1	3	10	14	61	93	0	0	0	0	1	0	15	5	21
Philadelphia	0	13	0	1	4	28	17	30	0	93	0	1	0	0	0	3	6	4	14
Pittsburg, [Marine Hosp.]	2	2	9	14	18	15	19	11	3	93	1	0	1	2	1	28	12	2	47
Pocopson	10	6	1	3	5	24	24	10	0	83	0	1	0	0	0	6	28	6	41
Shamokin	0	0	37	1	5	0	50	0	0	93	0	0	0	0	0	6	55	0	61
Somerset	0	0	0	3	6	22	23	18	21	93	1	0	0	1	2	19	28	8	59
Tarentum	6	1	1	1	9	28	6	8	32	92	1	0	0	0	2	26	23	14	66
West Haverford	1	2	1	6	7	15	3	18	9	62	1	1	1	1	1	2	13	15	35
Westtown	9	4	3	12	6	16	3	38	2	93	1	1	0	4	1	6	7	20	40
Worthington	0	1	10	3	4	5	16	2	0	41	----	----	----	----	----	----	----	----	----
MARYLAND—																			
Annapolis	12	9	0	6	26	15	1	15	9	93	1	0	0	0	0	26	0	0	27
Baltimore	21	5	10	8	11	3	11	20	0	89	0	0	0	0	2	0	0	0	2
Bladensburg	0	3	6	0	0	13	4	21	0	47	----	----	----	----	----	----	----	----	----
Chestertown	0	6	0	23	4	16	1	42	0	92	0	3	0	10	3	14	0	23	53
Frederick	6	21	0	1	5	17	23	5	15	93	0	0	0	0	2	3	23	2	30
Leitersburg	8	0	0	0	13	22	14	16	20	93	1	0	0	2	2	14	24	16	59
Leonardtown	14	10	9	6	14	20	5	13	2	93	2	0	0	0	1	0	5	25	33
Sykesville	8	9	5	7	16	16	22	10	0	93	0	1	7	2	2	7	55	0	74
DISTRICT OF COLUMBIA—																			
Washington	6	6	2	3	29	2	14	12	13	87	0	0	0	0	0	0	6	0	6
VIRGINIA—																			
Crichton's Store	24	4	2	2	33	18	9	1	0	93	0	0	0	0	1	7	3	0	11
Cross Creek	----	----	----	----	----	----	----	----	----	----	0	0	0	0	7	7	36	9	59
Lewinsville	1	4	2	18	14	12	11	30	0	92	----	----	----	----	----	----	----	----	----
Lewisburg	1	22	3	4	6	30	0	9	0	75	----	----	----	----	----	----	----	----	----
Meadow Dale	12	1	0	1	69	7	0	2	1	93	0	1	0	2	28	18	5	10	64
Montross	3	2	0	8	7	11	14	15	33	93	1	0	0	0	0	2	7	1	11
Point Pleasant	15	0	34	0	6	0	38	0	0	93	3	0	33	0	1	0	33	0	70
Poplar Grove	0	1	11	2	0	5	22	20	32	93	0	0	0	0	0	20	22	10	52
Portsmouth	7	12	0	11	1	20	10	31	0	92	----	----	----	----	----	----	----	----	----
Rougemont	8	10	1	0	27	8	24	12	0	90	0	2	0	1	9	3	17	2	34
Smithfield	17	11	1	3	17	25	10	9	0	93	6	3	0	1	2	15	14	6	47
Stribling Springs	7	1	0	2	4	47	2	30	0	93	2	0	0	1	2	14	2	13	34
Winchester	0	0	0	0	3	0	7	9	74	93	0	0	0	0	1	0	0	0	1
NORTH CAROLINA—																			
Chapel Hill	17	13	1	2	14	22	14	10	0	93	3	2	2	0	3	23	10	0	43
Davidson College	1	36	0	1	2	38	6	8	0	92	0	2	0	0	2	46	0	6	56
Murfreesborough	3	13	3	5	2	25	12	16	14	93	2	5	1	2	2	6	29	5	52

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—																			
Aiken	0	5	17	0	4	1	18	0	0	45									
All Saints	23	7	4	8	15	18	10	8	0	93	8	4	2	0	5	32	11	5	67
Charleston	7	3	2	1	2	6	0	10	0	31									
Columbia, [Barton]	12	5	12	10	10	1	8	26	9	93	1	1	9	0	12	3	25	1	52
Columbia, [White]	8	11	0	3	12	10	12	6	0	62	0	0	1	0	0	2	0	0	3
St. John's	7	23	4	10	3	14	4	11	0	76	2	0	2	2	4	6	12	5	33
GEORGIA—																			
Athens	4	5	15	9	9	3	7	21	18	91	0	0	0	1	2	5	10	5	23
Atlanta	3	7	16	0	9	0	20	38	0	93									
Augusta	12	23	0	1	9	22	19	7	0	93	2	6	0	18	5	23	3	1	58
Savannah	9	21	7	11	7	19	7	12	0	93	0	0	0	1	3	1	0	0	5
Thomaston	17	13	9	14	5	4	5	23	0	90									
Thomson	1	31	0	10	0	30	1	18	0	91	0	1	1	1	0	1	1	1	6
Whitemarsh Island	16	13	1	3	6	8	5	16	23	91	1	2	0	0	3	15	8	3	32
Zebulon	2	6	34	12	2	2	20	12	0	90	6	9	8	0	1	1	2	0	27
FLORIDA—																			
Alligator	4	20	5	7	5	13	8	11	20	93	5	4	2	0	4	13	11	8	47
Atsena	20	19	19	7	7	2	6	13	0	93	6	13	7	7	10	2	4	0	49
Belair	10	29	23	9	2	0	1	4	13	91	0	0	0	0	0	20	26	10	56
Gainesville	7	33	0	10	0	18	4	16	1	89									
Jacksonville	23	9	1	6	12	10	6	26	0	93	11	3	0	1	8	25	5	7	60
Micanopy	3	23	1	16	4	5	7	12	12	83	1	2	5	1	0	0	0	1	10
St Augustine	11	41	2	21	0	4	0	14	0	93	4	40	1	17	0	4	0	12	78
Salt Ponds	17	22	11	4	5	0	1	1	1	62									
ALABAMA—																			
Carlowville	12	12	16	6	8	5	24	7	0	90	1	1	3	1	1	0	0	0	7
Greene Springs	10	6	12	11	0	6	20	3	12	80	2	0	0	0	3	5	11	3	24
Greensborough	5	2	13	22	5	2	8	25	0	82	0	0	1	3	3	3	16	6	32
Montgomery	5	0	0	0	0	0	0	0	1	6	0	0	2	0	2	18	7	6	35
Selma	29	2	3	26	3	6	0	24	0	93	0	1	0	9	4	8	6	28	56
MISSISSIPPI—																			
Columbus	16	5	14	11	8	6	16	17	0	93	1	0	0	4	8	7	15	6	41
Natchez	20	10	1	23	8	13	3	15	0	93	0	0	0	0	1	6	6	0	13
Paulding	2	14	5	15	2	16	2	33	0	89	0	3	0	14	1	26	3	18	65
LOUISIANA—																			
Black River (*a*)	28	12	4	8	27	1	7	6	0	93	4	0	0	0	4	21	2	4	35
New Orleans	0	36	0	15	0	8	0	34	0	93									
TEXAS—																			
Austin, [Palm]	16	4	11	4	19	20	10	9	0	93	1	0	0	0	4	0	1	1	7
Austin, [Van Nostrand]	28	2	6	3	23	3	15	13	0	93	5	0	2	0	8	16	8	0	39
Larissa	6	4	10	28	5	8	6	20	5	92	0	0	0	0	1	4	1	1	7
New Braunfels	55	6	5	8	7	1	5	6	0	93									
Northern tier of counties	21	12	5	15	4	7	5	11	0	80									
Union Hill	34	2	18	13	21	2	2	1	0	93	8	3	3	10	21	4	5	6	60
Washington	27	0	0	3	26	0	0	3	31	90	4	1	0	2	1	0	0	0	8
TENNESSEE —																			
Glenwood	12	2	7	32	13	7	3	13	4	93	4	1	0	4	3	20	10	16	58
La Grange	3	11	6	11	8	14	15	5	19	92	4	0	1	3	5	13	10	0	36
Memphis	7	7	13	14	11	11	11	18	1	93									
KENTUCKY—																			
Bardstown	5	2	2	9	24	15	26	8	0	91	0	1	0	2	5	14	33	7	62
Danville	3	3	4	5	11	23	24	20	0	93	0	0	0	0	0	27	22	2	51
Louisville	5	4	2	19	11	26	6	18	0	91	0	0	0	0	0	18	6	7	31
Paris	0	0	0	9	16	26	19	22	0	92	0	0	0	0	9	11	31	0	51
Springdale	1	5	3	1	8	33	9	10	23	93									
OHIO—																			
Avon	1	0	0	3	13	35	35	6	0	93	1	0	0	0	0	9	39	4	53
Bellefontaine	0	1	5	16	0	25	27	14	0	88	1	1	0	4	0	41	14	17	78
Bowling Green	0	3	0	2	4	55	11	8	8	91	0	0	1	0	1	28	13	12	55

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Cincinnati, [Harper]	0	2	3	2	24	30	23	9	0	93									
Cleveland	2	2	1	13	31	21	10	13	0	93	2	0	0	1	2	9	15	8	37
Hillsborough	0	5	0	19	4	39	2	24	0	93	0	0	0	0	0	5	0	4	9
Hiram	3	1	0	9	27	23	12	11	0	86	0	0	1	1	0	12	15	5	34
Hudson	1	0	2	9	11	31	23	9	0	86									
Jackson, (Monroe county)	8	5	1	1	2	0	0	1	36	54	0	0	0	0	0	1	0	0	1
Lancaster, [Davis]	0	3	1	6	10	32	22	19	0	93	0	0	0	1	2	23	23	4	53
Lancaster, [Dayton]	0	0	2	5	0	28	8	8	14	65	0	0	0	0	0	20	15	7	42
Madison, [Atkins]	0	2	0	8	19	29	14	7	7	86	0	0	0	0	0	3	12	0	15
Madison, [King]	1	1	1	13	13	31	9	22	2	93	1	0	0	0	0	47	24	10	82
Montville	7	0	6	4	28	39	5	10	0	93	1	0	0	0	3	23	9	5	31
New Lisbon	4	0	1	13	13	37	12	13	0	93	1	0	1	7	6	33	9	11	68
Northwood	1	7	1	14	7	46	7	10	0	93	1	0	0	2	0	12	12	17	44
Portsmouth	5	3	4	12	17	35	5	12	0	93									
Ripley	0	5	10	4	0	0	2	17	25	63	0	0	0	0	0	0	0	12	12
Rockport	2	2	0	0	6	40	42	1	0	93									
Savannah	0	3	0	10	4	46	8	22	0	93	0	3	0	3	3	36	4	20	69
Troy	2	4	5	2	13	5	30	13	19	93									
Urbana	0	1	0	8	11	30	16	10	17	93	0	1	0	1	3	17	25	14	61
Welchfield	1	1	1	22	6	32	21	9	0	93	0	0	0	0	0	4	2	1	7
Westerville	1	0	0	3	12	27	42	4	0	89	0	0	0	2	10	17	33	5	67
MICHIGAN—																			
Battle Creek	1	1	2	3	15	22	35	7	7	93	0	0	0	0	0	21	42	11	74
Detroit	1	0	0	4	16	33	32	7	0	93	0	0	0	7	11	46	29	0	93
Grand Rapids, [Streng]	8	4	6	5	14	31	11	14	0	93	7	3	6	1	0	24	38	10	89
Lansing	1	4	1	11	7	34	27	8	0	93	1	1	1	4	3	17	42	6	75
Marquette	1	1	4	14	0	15	34	24	0	93									
Monroe	0	5	3	16	0	49	3	17	0	93	0	5	3	15	0	41	3	17	84
New Buffalo											0	0	2	4	1	15	12	20	54
Ottawa Point (*a*)	6	7	3	7	27	36	10	28	0	124	9	17	6	7	1	0	0	1	41
Port Huron	1	4	1	5	28	24	17	10	0	90	0	1	0	0	6	15	10	7	39
Thunder Bay Island	24	4	1	9	16	27	12	26	5	124	8	0	0	2	5	7	7	7	36
Ypsilanti	0	3	1	3	1	41	19	19	5	92	0	1	0	2	0	21	17	13	54
INDIANA—																			
Aurora	0	2	0	0	5	4	2	2	0	15									
Cannelton	1	1	4	31	11	15	12	18	0	93	1	0	0	3	10	14	7	6	41
Logansport	2	10	2	5	2	28	14	30	0	93	3	5	2	5	2	11	26	21	75
Mishawaka	0	1	3	6	17	23	30	13	0	93									
New Harmony	7	0	1	12	16	20	7	18	0	81									
Richmond, [Austin]	3	3	3	3	6	22	5	12	0	57	0	0	0	1	1	9	8	6	25
Richmond, [Moore]	0	0	2	5	1	30	24	9	18	89									
ILLINOIS																			
Augusta	2	8	2	9	16	20	13	22	1	93	0	1	0	1	0	8	15	11	36
Aurora	2	3	1	3	20	22	29	13	0	93	0	0	0	1	0	10	30	13	54
Batavia, [Capon]	11	3	1	1	28	18	21	10	0	93									
Batavia, [Mead]	0	4	0	4	2	51	10	22	0	93	0	4	0	3	2	40	7	18	74
Brighton	7	6	2	17	7	14	18	22	0	93	1	2	1	12	4	5	2	10	37
Edgington	4	4	0	5	4	38	4	31	0	93	3	2	0	4	3	35	3	28	78
Elgia	4	0	1	4	22	22	16	20	4	93	0	0	0	0	0	0	1	3	4
Jacksonville	1	0	0	1	5	8	10	6	0	31									
Manchester	11	2	1	0	39	12	11	11	0	93	6	0	1	0	22	12	11	9	61
Marengo	0	1	0	15	17	45	15	0	0	93	0	2	2	1	0	3	0	0	8
Ottawa	4	2	0	6	12	29	6	28	1	88	0	0	0	0	0	9	5	4	18
Pekin	10	6	1	9	31	8	7	21	0	93	5	0	1	0	2	9	14	17	48
Peoria	1	5	6	4	4	13	47	13	0	93	0	0	0	0	1	1	3	1	6
Riley	10	2	1	8	12	16	30	13	1	93									
Sandwich	4	2	0	7	16	24	8	32	0	93									
Upper Alton	0	11	0	11	2	35	5	28	0	92	0	12	0	11	4	33	4	28	92
Waynesville	6	3	0	4	21	7	39	10	3	93	0	0	0	0	2	6	13	2	23

a In recording the motion of the clouds at this place, it is uncertain whether the direction toward which they moved was noted, or that from which they came.

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total
ILLINOIS Continued.																			
West Salem	3	6	0	5	31	3	4	19	19	93	0	0	0	0	0	21	17	1	39
West Urbana	2	4	0	8	14	31	14	20	0	93	0	0	0	0	0	0	0	1	1
Wheaton	5	3	2	3	5	35	14	21	3	91	1	0	0	0	0	2	2	2	7
Winnebago	8	3	2	4	21	27	8	20	0	93	3	12	1	1	3	45	4	1	70
MISSOURI—																			
St. Louis, [Engelmann]	4	2	1	19	22	5	34	6	0	93									
St. Louis, [Fendler]	4	0	0	3	7	5	2	4	3	28	0	0	0	0	0	2	2	9	13
WISCONSIN—																			
Appleton	7	12	2	0	5	62	4	1	0	93	3	12	1	1	3	45	4	1	70
Bay City	1	13	0	0	8	49	10	12	0	93	1	0	0	0	0	7	4	1	13
Bayfield	1	7	0	0	0	27	7	20	0	62	1	7	0	0	0	29	2	21	60
Beloit	3	0	0	3	14	20	31	22	0	93	0	0	0	0	0	2	1	0	3
Kenosha	3	1	1	2	1	37	22	16	3	86									
Madison	2	3	2	5	18	21	25	12	0	88	1	0	1	0	0	0	0	0	2
Manitowoc	5	0	1	3	7	30	16	31	0	93	0	0	0	0	0	4	7	7	18
Milwaukee	3	1	1	4	0	31	21	32	0	93									
Mosinee	9	8	0	14	13	26	17	5	1	93	12	5	0	8	3	20	0	4	52
Platteville	9	0	1	14	16	9	27	17	0	93	7	1	1	8	8	5	17	12	59
Waukesha	10	0	1	0	5	13	12	9	16	66	0	0	0	0	0	1	0	1	2
Wausau	1	0	18	7	2	23	27	7	8	93	0	12	16	2	0	2	4	3	39
IOWA—																			
Bellevue	4	1	1	14	9	19	22	23	0	93									
Border Plains	7	0	0	18	11	14	2	37	4	93	0	0	0	0	1	3	3	3	10
Dubuque	15	3	0	3	14	12	5	27	14	93	1	3	0	0	0	10	8	19	41
Fairfield	1	0	0	4	0	26	0	31	31	93									
Fort Madison	2	4	1	14	0	36	2	34	0	93	4	0	1	1	0	15	23	9	53
Muscatine	3	1	0	1	18	17	28	25	0	93	0	0	0	0	0	9	0	3	12
Pleasant Plain	2	8	0	8	19	18	6	30	2	93	0	2	0	0	0	7	2	2	13
Rossville	6	2	4	6	9	23	24	15	4	93									
Sioux City	6	2	1	2	10	1	3	22	0	47	2	0	0	0	1	1	1	6	11
MINNESOTA—																			
Beaver Bay	18	12	6	0	0	35	17	4	0	92	8	7	3	0	1	19	7	2	47
Burlington	6	2	6	2	8	6	7	56	0	93	7	2	7	2	9	5	6	33	71
Forest City	0	0	2	5	7	3	26	9	41	93									
Hazlewood	5	3	1	10	21	5	16	32	0	93	0	0	4	0	0	0	1	3	8
Kandotta	23	10	1	12	6	2	1	23	15	93									
Princeton	6	1	4	7	9	11	27	10	10	85	8	1	6	0	2	0	9	4	30
NEBRASKA—																			
Bellevue	39	4	1	1	33	4	2	2	1	92	12	0	0	0	1	3	4	2	22
Brownville	1	1	0	6	4	27	7	47	0	93	1	1	0	3	1	13	3	18	40
Elkhorn	9	3	1	8	20	21	6	23	2	93	0	0	0	0	0	0	1	0	1
Fontenelle	33	0	0	8	18	17	5	12	0	93									
Gilbert's Trading Post	3	1	1	1	11	27	40	0	1	85	2	0	0	0	3	1	25	10	44
Omaha, [Byers]	9	0	0	11	11	17	6	26	13	93	10	0	0	1	3	8	1	20	43
Omaha, [Rain]	8	0	0	5	21	22	11	21	2	93	5	0	4	2	5	0	3	4	23
KANSAS—																			
Burlingame	21	2	1	3	16	15	3	11	18	93									
Lawrence	18	4	4	5	38	4	7	12	1	93									
Leav'nwthCity, [Berthoud]	8	8	2	6	2	42	4	18	3	93	2	12	1	13	1	26	0	9	64
Leav'nwthCity, [McCarty]	18	1	2	8	26	8	7	11	2	89	5	0	0	0	0	5	13	11	34
Manhattan	12	8	0	1	20	20	3	5	21	90	9	1	3	0	8	11	8	12	55
MEXICO																			
Cordova	6	11	1	2	0	5	2	4	0	31									
CALIFORNIA—																			
Marysville	6	0	0	0	48	29	0	10	0	93									
Sacramento	31	19	1	19	6	3	0	8	0	93	0	0	0	7	0	8	5	2	22
San Francisco	3	3	0	0	8	2	1	0	10	27	3	1	0	0	7	3	1	1	16
WEST INDIES—																			
Centre Signal Station, Ber.	1	5	0	1	4	0	1	2	0	14									
Nassau, Bahamas	1	12	4	3	1	3	0	1	1	26									
St. George's, Bermuda	9	30	9	9	7	35	9	16	0	124									

No. 38.—WINDS—NUMBER OF OBSERVATIONS, JANUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.									
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
CENTRAL AMERICA—																			
Guatemala	1	95	0	0	0	2	0	12	14	124									
SOUTH AMERICA—																			
Catharina Sophia, Surinam	0	35	26	17	0	0	0	0	0	78	0	15	36	11	0	0	0	0	62
Chanarcillo, Chili	0	3	5	15	2	112	0	0	0	137									
EASTERN CONTINENT—																			
Jerusalem, Palestine	1	1	7	12	6	7	14	8	37	93	0	0	6	5	4	2	9	4	30

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	16	10	1	0	10	14	10	17	5	83	7	8	1	0	9	16	2	13	56
Red River Settlement	10	1	6	1	11	0	4	6	29	68	6	2	2	9	3	1	0	1	24
Rigolet	6	1	7	0	0	1	3	30	8	56									
St John's	22	1	0	0	7	5	12	37	0	84	22	1	0	0	8	5	13	27	76
St. Martin	1	26	4	12	2	31	3	5	0	84									
Stanbridge	7	5	5	31	12	7	10	4	3	84									
Toronto	4	12	2	6	0	24	3	22	11	84									
Windsor	16	2	5	1	7	16	6	9	12	74	3	3	0	1	4	5	10	16	42
Wolfville	0	6	10	5	2	6	15	26	0	70									
MAINE—																			
Cornish	13	6	3	3	9	29	9	12	0	84	0	0	0	0	0	2	3	1	6
Cornishville	5	3	1	4	8	6	31	26	0	84									
Dexter	14	14	7	3	7	8	4	17	10	84									
Gardiner	2	8	0	1	5	12	8	37	11	84	0	1	0	1	0	3	5	15	25
Perry	10	6	7	3	8	12	7	31	0	84	1	5	0	0	0	4	5	8	23
Portland	15	17	0	0	8	11	15	18	0	84	0	0	0	0	1	3	6	3	13
Steuben	3	23	0	2	1	22	0	29	4	84	0	3	0	0	0	15	7	9	34
NEW HAMPSHIRE—																			
Concord	1	0	0	2	1	12	9	39	0	64	0	0	0	0	0	0	0	4	4
Shelburne	0	0	17	0	0	0	42	0	14	73	0	0	2	1	0	3	10	29	45
Stratford	2	11	11	1	7	7	17	14	11	84	0	0	0	0	0	1	24	12	37
VERMONT—																			
Brandon	15	0	1	10	22	5	3	21	7	84	1	0	0	0	0	0	4	16	21
Burlington	23	6	0	1	20	16	0	16	0	82									
Craftsbury	3	11	6	8	24	11	11	14	2	84	0	0	0	0	0	1	9	14	24
Lunenburg	0	0	4	1	13	3	17	10	0	48									
Rupert											7	0	0	3	8	38	6	0	62
St. Johnsbury	35	2	1	1	19	0	6	12	5	81	5	0	0	0	6	0	11	4	26
MASSACHUSETTS—																			
Amherst	4	3	2	18	4	5	1	41	0	78	0	0	0	0	0	1	3	11	15
Cambridge	11	1	8	7	2	10	11	12	15	83									
Danvers	7	11	3	4	7	7	3	21	14	77									
Florida	0	8	0	14	0	6	39	25	1	84	0	5	3	13	0	6	23	19	69
Lawrence	4	21	1	4	1	17	2	34	0	84									
Mendon	0	13	5	3	2	14	6	41	0	84	1	13	5	3	5	9	15	30	81
Nantucket	13	12	7	7	2	14	7	18	4	84									
New Bedford	5	19	2	6	3	18	9	22	0	84									
Richmond	0	20	0	11	0	6	0	47	0	84	0	16	0	6	0	8	0	25	55
Westfield	16	11	1	12	4	6	21	13	0	84									
Williamstown	7	1	15	5	9	1	17	17	11	83									
Worcester	4	13	0	6	2	13	3	39	0	80	0	0	0	0	0	1	3	12	16
RHODE ISLAND—																			
Providence	5	16	3	2	12	8	12	24	0	82									
CONNECTICUT—																			
Columbia	4	16	2	4	0	11	2	33	12	84	1	7	0	1	0	8	1	19	37
Middletown	19	6	2	4	4	22	4	21	2	84	0	0	0	0	0	3	29	4	36
Pomfret	3	19	3	5	5	9	3	35	0	82	2	14	1	4	4	10	3	11	49
Saybrook	6	17	9	2	2	4	13	22	9	84	3	5	1	2	2	2	14	13	42
Wallingford	9	22	4	5	6	12	5	21	0	84	1	0	0	0	0	3	11	9	24
NEW YORK—																			
Baldwinsville	6	5	19	3	4	8	31	8	0	84	4	0	1	0	0	2	38	8	53
Bellport	13	17	5	7	2	20	8	12	0	84									
Beverly	1	20	1	12	7	14	1	25	0	80	0	6	2	9	5	14	10	8	54
Cazenovia	6	2	3	5	17	15	15	20	1	84	0	0	2	7	7	8	27	20	71
Eden	3	9	3	14	18	7	15	4	0	73	0	0	0	0	0	14	26	6	46
Morrisania	15	9	1	4	11	15	16	13	0	84									
Nichols	8	1	2	25	21	5	2	20	0	84	10	0	0	2	13	5	2	21	53
Ogdensburg	2	5	3	0	2	11	5	1	0	29									
Oswego	3	8	8	11	23	4	20	6	1	84									
Penn Yan	4	6	0	0	29	18	31	5	0	84									
Rochester	2	0	10	1	8	13	21	1	0	56	8	0	11	1	12	7	30	2	71
Saratoga	0	23	1	2	0	41	8	9	0	84	1	24	1	1	0	40	8	9	84

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Wampsville	0	0	25	6	5	6	36	6	8	84	1	1	13	3	3	8	43	2	74
NEW JERSEY—																			
Lambertville	6	18	2	3	9	7	6	23	0	74									
Moorestown	8	4	4	1	4	3	9	1	0	34	3	0	1	0	2	2	0	2	10
Newark	3	21	0	3	1	14	3	11	0	56									
PENNSYLVANIA—																			
Bellefonte	15	1	9	2	13	8	20	8	0	76	4	0	0	0	3	0	2	12	21
Berwick	6	8	35	1	3	3	21	7	0	84									
Cannonsburg	1	1	28	2	2	5	36	6	0	81	0	0	0	0	0	0	1	0	1
Carlisle	0	9	9	7	0	7	9	12	28	81	0	2	1	1	0	6	5	10	25
Chambersburg	3	1	31	11	8	0	9	0	21	84	11	0	7	0	9	5	28	8	68
Chromedale	0	13	0	9	2	32	0	28	0	84									
Easton	15	19	0	6	4	9	9	19	3	84									
Fleming	0	3	9	11	0	18	15	28	0	84	1	0	0	1	1	8	15	24	53
Gettysburg	8	16	3	0	17	17	8	13	2	84	3	2	0	0	5	14	19	15	58
Harrisburg, [Heisely]	7	2	16	20	4	0	13	21	0	83	1	0	1	1	1	0	8	12	24
Harrisburg, [Hickok]	10	16	21	1	3	3	25	5	0	84	0	0	0	0	1	0	8	0	9
Lewisburg	9	3	4	3	10	8	13	7	27	84	1	0	0	0	0	1	8	2	12
Linden	3	6	18	2	0	1	18	2	0	50									
Morrisville	3	17	9	3	3	24	12	12	1	84	1	16	6	0	0	25	6	10	64
Mount Joy	0	3	0	26	1	1	0	17	36	84	0	1	1	2	1	1	1	0	7
Murrysville	2	3	22	6	0	24	5	14	7	83	4	1	1	0	0	16	9	7	38
Norristown	0	3	20	2	1	4	34	8	0	72	0	0	15	2	0	10	28	0	55
North Whitehall	5	7	3	0	0	0	2	13	54	84	3	0	0	0	0	0	6	9	18
Philadelphia	2	23	0	4	2	19	6	28	0	84	0	3	0	0	0	3	5	8	19
Pittsburg, [Marine Hosp'l]	6	2	10	12	3	8	12	27	4	84	0	1	1	1	0	16	13	7	39
Pocopson	14	20	1	3	4	12	14	13	0	81	4	0	0	0	1	6	9	8	28
Shamokin	4	0	33	2	19	1	25	0	0	84	0	0	0	0	0	0	54	3	57
Somerset	3	0	0	14	5	12	27	6	17	84	0	0	0	0	1	9	22	5	37
Tarentum	0	4	0	4	5	16	7	10	38	84	0	0	0	1	2	7	30	12	52
West Haverford	1	13	7	1	3	8	7	14	2	56	0	1	3	0	0	3	8	13	28
Westtown	6	11	9	5	5	10	5	33	0	84	1	1	0	1	5	2	5	19	34
Worthington	0	0	11	1	2	6	14	1	0	35									
MARYLAND—																			
Annapolis	12	20	1	7	18	10	3	8	5	84	1	0	0	0	1	13	0	1	16
Baltimore	19	4	10	8	6	4	11	13	1	76									
Bladensburg	1	7	3	5	1	7	1	15	0	40									
Chestertown	0	0	0	34	0	14	1	33	1	83	0	0	0	7	1	9	1	12	30
Frederick	1	29	0	2	8	7	16	9	12	84	0	0	0	0	1	2	23	5	34
Leitersburg	7	0	4	1	15	17	8	19	10	84	3	0	1	0	9	8	27	19	67
Leonardtown	22	9	0	20	3	9	5	14	2	84	2	0	0	0	0	0	1	23	26
Sykesville	2	13	5	12	11	8	20	13	0	84	0	6	4	10	2	10	11	0	73
DISTRICT OF COLUMBIA—																			
Washington	8	11	4	8	19	5	6	19	3	83	0	0	0	0	0	0	7	0	7
VIRGINIA—																			
Crichton's Store	9	10	4	4	14	20	11	7	2	84	0	0	0	0	1	2	5	0	8
Cross Creek											0	0	2	0	6	10	43	5	66
Kanawha	18	0	0	1	35	7	6	11	4	82	0	0	0	1	0	11	3	0	15
Lewinsville	6	9	0	18	8	12	6	25	0	84									
Lewisburg	4	5	3	0	2	33	7	12	1	67									
Meadow Dale	12	4	0	1	57	3	2	0	3	82	1	2	0	2	36	11	11	9	72
Montross	3	1	7	4	4	8	15	9	33	84	0	0	0	0	1	6	8	2	17
Mont View	0	8	0	11	17	19	24	5	0	84	0	5	6	2	7	2	21	2	48
Point Pleasant	3	0	21	0	1	2	57	0	0	84	1	0	33	0	3	0	33	0	70
Poplar Grove	0	2	14	1	1	1	26	17	22	84	7	0	0	0	1	8	25	9	50
Portsmouth	5	18	6	4	0	18	13	19	0	83									
Rougemont	6	12	12	1	16	11	21	2	0	84	0	1	0	1	6	2	18	4	32
Smithfield	16	13	5	5	9	21	5	10	0	84	4	4	3	0	0	8	13	10	42
Stribling Springs	8	1	0	0	12	12	0	21	0	84	1	0	0	0	0	34	0	7	42
Westwood	19	0	0	0	8	1	2	0	0	30	0	0	0	0	1	0	0	0	1
Winchester	0	1	2	0	2	0	7	3	69	84									
NORTH CAROLINA—																			
Chapel Hill	12	20	0	0	3	22	15	12	0	84	1	4	0	0	1	27	12	3	48

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—Cont'd.																			
Davidson College	0	25	0	1	2	38	6	10	0	82	0	10	0	2	4	35	4	3	58
Murfreesborough	2	14	7	7	0	16	20	6	9	81	1	9	1	4	0	6	28	2	51
SOUTH CAROLINA—																			
Aiken	3	9	12	1	9	3	23	2	0	62	----	----	----	----	----	----	----	----	----
All Saints	6	3	14	5	11	26	11	7	1	84	0	2	5	0	0	37	12	3	59
Charleston	5	5	1	4	0	7	2	4	0	28	----	----	----	----	----	----	----	----	----
Columbia, [Barton]	4	9	3	8	8	8	18	18	6	82	3	1	2	1	2	3	33	4	49
Columbia, [White]	10	3	3	6	3	9	14	8	0	56	0	1	2	0	0	2	9	4	18
St. John's	3	7	7	7	4	23	5	18	0	74	1	0	0	0	0	3	17	10	31
GEORGIA—																			
Athens	2	8	6	1	4	18	9	17	18	83	0	0	0	0	0	2	14	8	24
Atlanta	3	0	6	2	13	26	16	18	0	84	----	----	----	----	----	----	----	----	----
Savannah	1	12	6	10	5	32	8	10	0	84	----	----	----	----	----	----	----	----	----
Sparta	5	8	9	11	4	23	8	16	0	84	0	2	0	0	0	10	27	6	45
Thomaston	2	10	0	8	6	21	11	26	0	84	----	----	----	----	----	----	----	----	----
Thomson	1	12	0	16	1	31	0	21	0	82	1	2	0	0	0	1	5	5	14
Whitemarsh Island	3	7	0	8	10	12	7	14	23	84	0	1	0	0	1	9	10	11	32
Zebulon	7	14	20	4	4	13	11	11	0	84	9	2	1	1	11	4	6	2	35
FLORIDA—																			
Alligator	0	17	2	0	2	15	6	4	29	75	0	0	0	0	0	19	2	1	22
Atsena	8	17	6	14	14	8	9	6	2	84	4	9	2	7	12	8	6	3	51
Belair	8	21	13	15	7	3	4	2	11	84	0	3	3	5	0	19	13	8	51
Gainesville	0	25	0	16	0	25	3	12	0	81	----	----	----	----	----	----	----	----	----
Jacksonville	8	16	0	7	3	32	1	17	0	84	0	3	0	1	3	29	7	9	52
Micanopy	2	11	3	13	3	10	11	8	14	75	0	0	0	0	0	1	8	1	10
St. Augustine	4	46	1	15	0	8	2	8	0	84	3	37	1	6	0	6	2	6	61
Salt Ponds	9	7	11	21	5	2	1	0	0	56	----	----	----	----	----	----	----	----	----
Seville	0	8	0	1	0	5	0	3	9	26	----	----	----	----	----	----	----	----	----
ALABAMA—																			
Carlowville	2	5	7	13	22	16	14	5	0	84	6	4	2	3	1	2	7	9	34
Greene Springs	4	5	4	10	6	13	13	4	21	80	3	1	1	0	0	11	18	8	42
Greensborough	5	1	3	26	10	7	1	23	0	76	1	0	0	3	1	8	19	6	38
Montgomery	----	----	----	----	----	----	----	----	----	----	0	0	0	1	0	23	14	6	44
Selma	12	11	2	15	8	23	3	10	0	84	12	3	0	4	1	1	27	24	72
MISSISSIPPI—																			
Columbus	8	6	8	14	23	2	5	18	0	84	1	0	0	3	5	20	19	3	51
Natchez	12	14	3	20	20	12	0	3	0	84	1	0	0	0	0	17	6	0	24
Paulding	0	10	1	19	0	32	1	19	2	84	2	4	0	6	2	40	2	14	70
LOUISIANA—																			
Black River (*a*)	25	7	1	13	34	3	1	0	0	84	4	2	0	1	18	21	5	0	51
New Orleans	0	26	0	32	0	9	0	17	0	84	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm]	12	4	6	4	18	24	12	4	0	84	4	0	0	2	14	17	4	2	43
Austin, [Van Nostrand]	11	4	0	7	34	5	7	12	1	84	4	0	0	2	22	24	6	2	60
Larissa	4	7	4	21	9	20	4	11	2	82	0	0	0	0	5	14	1	0	20
New Braunfels	27	4	5	11	28	2	4	3	0	84	----	----	----	----	----	----	----	----	----
Northern tier of counties	18	10	6	14	12	16	2	13	0	91	----	----	----	----	----	----	----	----	----
Sisterdale	10	8	4	21	14	7	4	16	0	84	0	0	0	0	2	1	1	1	5
Union Hill	24	1	12	15	25	2	2	0	3	84	8	0	3	5	48	2	1	2	69
Washington	0	0	0	2	19	0	43	2	14	80	0	5	0	0	0	0	17	0	22
Webberville	20	1	2	3	45	1	2	2	2	78	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	11	6	7	15	16	8	4	14	3	84	2	2	1	1	5	17	22	8	58
La Grange	1	11	2	7	15	18	7	14	8	83	1	2	0	2	4	17	14	2	42
Memphis	4	6	13	17	17	1	5	17	4	84	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Bardstown	7	1	7	6	22	12	12	15	0	82	7	3	5	1	16	7	15	10	64
Danville	1	5	2	10	17	16	16	17	0	84	3	1	0	1	1	20	21	8	55
Louisville	5	9	8	16	13	5	9	18	0	83	2	1	0	0	1	16	8	10	38
Paris	5	1	4	6	17	11	9	28	1	82	4	2	2	2	0	1	3	4	18
Springdale	0	17	3	1	4	32	7	12	8	84	----	----	----	----	----	----	----	----	----

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Avon	5	3	5	11	13	19	19	6	1	82	1	1	1	1	3	15	21	8	51
Bellefontaine	0	8	3	22	0	13	12	21	0	79	0	9	0	7	0	34	8	18	76
Bowling Green	2	8	4	6	4	28	6	5	15	78	1	4	0	0	0	9	10	6	30
Cincinnati, [Harper]	5	1	10	4	13	15	20	16	0	84									
Cincinnati, [Phillips]	4	6	6	5	5	12	10	28	8	84	4	7	5	2	0	16	9	26	69
Cleveland	10	4	6	7	30	6	14	4	1	82	5	1	0	0	1	1	9	0	17
College Hill	4	16	1	5	11	15	19	19	0	84	4	12	1	5	10	8	9	17	66
Hillsborough	0	19	1	17	1	21	3	22	0	84	0	0	2	0	0	2	0	1	5
Hiram	15	19	2	15	8	18	5	6	0	79	4	1	1	4	1	7	9	2	29
Hudson	4	5	11	11	7	17	13	13	3	84									
Jackson, (Monroe county)	3	9	1	3	16	0	0	0	47	79	1	1	0	0	0	6	2	0	10
Madison	3	3	7	4	18	12	15	6	9	77	0	0	3	0	1	3	6	0	13
Madison, [King]	6	13	1	9	6	34	6	9	0	84	2	12	1	0	2	34	12	8	71
Montville	10	5	0	19	16	20	3	11	0	84	1	2	0	0	8	4	5	0	20
New Lisbon	6	3	6	14	8	24	10	13	0	84	5	4	6	7	4	26	7	16	75
Northwood	0	21	2	11	3	27	5	12	0	81	0	3	0	0	0	15	5	2	25
Portsmouth	13	8	10	9	1	16	16	10	0	83									
Ripley	1	3	10	10	0	1	1	24	11	61	0	0	0	0	0	0	0	5	5
Rockport	9	2	4	2	17	14	28	8	0	84									
Savannah	2	11	1	16	2	24	10	18	0	84	0	10	1	5	2	25	7	18	68
Troy	3	3	6	1	4	1	40	3	23	84	0	6	9	7	2	11	18	7	60
Urbana	1	12	6	12	9	10	11	10	13	84	2	5	1	1	4	11	19	9	52
Welchfield	8	4	3	22	6	18	9	14	0	84	1	0	0	0	0	1	0	0	2
Westerville	11	2	1	8	11	22	18	9	2	84	4	4	0	5	9	13	13	16	64
MICHIGAN—																			
Battle Creek	1	12	9	5	8	20	14	11	4	84	0	0	0	1	1	16	38	10	66
Detroit	0	5	7	7	8	30	21	6	0	84	0	6	4	4	12	29	27	2	84
Lansing	2	4	4	10	15	17	24	6	0	82	2	3	5	6	10	11	24	2	63
Marquette	7	1	10	10	4	4	28	20	0	84									
Monroe	0	12	3	16	0	17	0	21	0	69	0	12	3	16	0	13	0	18	62
New Buffalo											0	2	11	12	2	13	18	11	72
Ottawa Point (*a*)	5	19	3	10	20	21	6	28	0	112	5	6	17	2	2	4	0	0	36
Port Huron	4	7	4	7	13	20	11	13	0	82	2	1	0	0	0	17	10	6	36
Thunder Bay Island	16	8	5	16	16	9	8	23	11	112	8	4	0	4	8	6	6	9	45
Ypsilanti	3	11	5	9	4	29	11	12	0	84	1	5	1	3	0	5	22	4	41
INDIANA—																			
Aurora	0	5	0	2	1	5	4	1	0	18									
Cannelton	1	0	8	29	6	5	24	10	1	84	0	0	1	2	10	4	3	5	25
Logansport	2	9	10	16	2	19	16	10	0	84	3	17	6	6	3	16	20	10	81
New Harmony	9	0	6	13	20	8	2	19	0	77									
Richmond, [Austin]	1	5	1	3	6	4	8	0	5	33	1	4	0	1	3	2	5	1	17
Richmond, [Moore]	2	2	7	6	4	11	18	7	25	82									
ILLINOIS—																			
Augusta	2	8	2	11	11	13	15	22	0	84	0	1	1	4	2	4	15	12	39
Aurora	4	9	6	14	13	12	14	12	0	84	2	2	1	0	0	15	24	3	47
Batavia, [Capon]	3	16	3	5	6	31	13	7	0	84									
Batavia, [Mead]	0	19	0	7	1	36	2	19	0	84	0	17	0	3	0	33	2	11	66
Brighton	3	3	2	26	1	4	11	31	0	84	2	2	3	17	6	11	3	9	53
Edgington	5	16	0	8	2	26	1	26	0	84	4	13	0	6	1	27	1	23	75
Elgin	5	7	6	14	13	7	12	18	2	84	0	0	0	0	1	1	3	0	5
Manchester	10	7	2	5	27	6	20	7	0	84	3	6	2	1	18	8	14	5	57
Marengo	1	1	11	20	3	34	10	0	1	84									
Ottawa	1	10	2	13	2	23	6	20	1	78	0	0	1	0	0	8	2	2	13
Pekin	6	8	2	15	19	1	6	21	0	84	3	2	3	3	2	6	18	12	49
Peoria	0	9	11	2	11	7	36	8	0	84	0	0	0	0	0	2	0	0	2
Riley	5	3	9	6	17	8	18	13	4	83									
Sandwich	3	13	1	29	4	14	3	26	0	84	0	0	0	0	0	0	16	2	18
Upper Alton	3	1	2	2	3	7	3	13	0	34	3	1	2	2	1	7	5	13	37
Waynesville	6	0	17	1	21	7	23	9	0	84	1	0	0	0	4	3	14	0	22
West Salem	5	8	4	9	19	5	3	15	16	84	0	0	0	0	0	23	20	0	13
West Urbana	5	5	7	16	13	12	13	13	0	84	0	0	0	0	1	2	0	1	1

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No. 39.—WINDS—NUMBER OF OBSERVATIONS, FEBRUARY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Wheaton	0	10	8	8	5	20	6	25	2	84	0	0	0	0	0	6	2	0	8
Winnebago	9	12	3	13	8	16	9	14	0	84	0	0	0	0	0	4	13	5	22
MISSOURI—																			
St. Louis, [Englemann]	0	7	5	24	10	11	21	6	0	84									
St. Louis, [Fendler]	4	8	6	23	28	5	10	28	8	120	1	1	1	0	5	8	31	10	57
WISCONSIN—																			
Appleton	8	21	0	3	7	33	4	8	0	84	8	17	0	3	5	18	2	9	62
Bay City	0	29	0	0	21	20	8	6	0	84	0	8	0	0	0	5	13	1	27
Bayfield	4	14	0	0	2	19	2	13	2	56	1	16	0	0	2	17	4	13	53
Beloit	17	0	5	6	19	9	22	6	0	84									
Kenosha	2	6	3	5	16	20	19	6	2	79									
Madison	2	12	1	11	11	14	11	22	0	84	0	1	1	0	0	0	0	1	3
Manitowoc	7	5	5	4	11	11	12	26	0	84	1	0	1	0	0	4	9	3	18
Milwaukee, [Pomeroy]	1	14	1	16	2	14	14	19	0	84	0	0	0	0	1	0	0	0	1
Milwaukee, [Winkler]	3	12	4	9	3	11	15	27	0	84									
Mosinee	10	13	6	7	10	11	7	16	10	84	6	11	0	2	2	7	8	11	47
Platteville	6	8	11	14	6	12	8	19	0	84	3	4	12	7	4	13	6	9	58
Wausau	8	7	12	10	5	11	6	21	0	80	2	0	2	6	0	2	6	2	20
IOWA—																			
Bellevue	6	5	7	15	9	4	14	23	1	84									
Border Plains	3	4	1	13	24	2	3	33	1	84	1	0	0	0	0	7	1	3	12
Dubuque	6	7	5	8	5	8	13	24	7	83	0	1	1	0	0	5	15	12	34
Fairfield	0	9	0	15	0	7	2	24	27	84									
Fort Madison	1	12	4	11	2	25	3	26	0	84	4	1	4	0	1	13	17	10	50
Muscatine	0	3	7	8	16	12	17	21	0	84	0	0	0	0	1	8	1	0	10
Pleasant Plain	0	6	4	11	11	10	5	29	0	76	0	0	0	0	0	10	7	1	18
Rossville	11	7	8	6	6	16	12	13	5	84									
MINNESOTA—																			
Beaver Bay, [Clark]	16	21	0	1	3	14	5	23	2	85	4	7	2	0	1	20	5	4	43
Burlington	4	7	12	2	9	5	10	30	3	82	2	6	12	1	6	6	7	11	51
Forest City	5	0	10	1	6	5	4	8	45	84									
Hazlewood	5	5	5	10	18	7	7	27	0	84	2	4	10	0	1	0	1	2	20
Kamlotta	9	6	0	9	10	8	10	21	11	84									
Princeton	12	9	11	10	2	4	16	9	11	84	3	0	2	0	7	1	16	3	32
NEBRASKA—																			
Bellevue	35	8	2	1	19	6	3	7	2	84	3	1	1	0	2	1	6	3	17
Brownville	5	4	5	4	4	17	4	41	0	84	1	6	3	12	8	4	2	3	39
Elkhorn	11	11	3	16	8	11	4	17	0	84	1	0	0	0	0	1	1	0	3
Fontenelle	31	6	1	4	32	1	2	7	0	84									
Omaha, [Byers]	3	2	5	10	16	4	4	28	12	84	1	3	4	2	6	6	1	14	37
Omaha, [Rain]	4	4	3	3	17	19	8	26	0	84	1	1	2	1	1	1	7	0	14
KANSAS—																			
Burlingame	25	3	9	8	15	2	2	2	18	84									
Lawrence	11	2	2	1	22	3	9	11	5	66									
Leavenwh C'y, [Berthoud]	14	8	2	6	3	24	7	18	2	84	6	6	5	10	2	18	3	14	64
Manhattan	18	5	6	6	14	5	5	11	14	84	11	6	3	0	3	16	8	11	58
MEXICO—																			
Cordova	1	9	4	0	1	8	1	4	0	28									
CALIFORNIA—																			
Marysville	0	0	0	9	61	14	0	0	0	84									
Sacramento	13	3	2	21	25	11	6	0	0	84	0	0	0	24	1	18	12	0	55
San Francisco	6	2	0	0	22	8	5	6	35	84	2	0	0	1	6	27	30	4	70
WEST INDIES—																			
Centre Signal Station, Ber.	9	0	0	1	3	13	0	1	0	27									
Nassau, Bahamas	0	8	5	2	1	3	1	1	3	24									
St. George's, Bermuda	22	5	8	6	17	32	16	6	0	112									
CENTRAL AMERICA—																			
Guatemala	0	74	1	2	0	13	0	1	21	112									
SOUTH AMERICA—																			
Catharina Sophia, Surinam	0	53	14	17	0	0	0	0	0	84	0	42	27	5	0	0	0	0	74
Chanarcillo, Chili	1	12	5	13	5	87	5	1	0	129									
EASTERN CONTINENT																			
Jerusalem, Palestine	1	4	4	15	4	6	8	7	35	84	1	1	2	8	1	4	7	6	30

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	1	16	2	9	7	13	21	20	4	93	1	12	2	7	7	12	12	14	67
Red River Settlement	15	2	0	3	11	1	6	4	33	75	3	5	6	5	1	0	0	1	21
Rigolet	12	10	8	0	2	1	1	21	7	62									
St. John's	21	8	0	4	13	15	6	24	2	93	12	7	0	4	9	12	5	20	69
St. Martin	0	27	1	17	4	33	5	6	0	93									
Stanbridge	1	4	3	32	10	5	17	13	8	93									
Toronto	0	31	2	8	1	23	5	18	5	93									
Windsor	18	3	3	10	7	15	8	13	6	83									
Wolfville	7	4	4	7	2	9	7	37	0	77									
MAINE—																			
Cornish	6	7	9	9	9	16	23	14	0	93	0	0	0	0	0	1	3	2	6
Cornishville	7	3	1	11	16	4	13	35	3	93									
Dexter	2	11	7	7	14	3	8	38	3	93									
Gardiner	0	10	0	12	10	14	5	30	10	91	0	0	0	2	0	3	2	18	25
Perry	6	7	3	13	6	12	2	43	0	92	9	1	0	3	3	7	3	9	35
Portland	13	8	7	14	8	8	14	21	0	93	2	0	0	0	1	1	5	12	21
Steuben	1	16	2	10	1	24	2	31	6	93	0	3	1	0	0	12	11	10	37
NEW HAMPSHIRE—																			
Shelburne	0	0	16	0	0	0	34	0	11	61	0	0	0	2	2	2	7	18	31
Stratford	1	10	17	3	8	17	16	8	13	93	1	0	0	0	2	1	20	5	29
VERMONT—																			
Brandon	11	0	3	20	22	5	6	24	2	93	0	0	0	0	1	14	4	24	43
Burlington	18	6	1	4	24	15	4	21	0	93									
Craftsbury	0	6	2	7	34	4	8	29	3	93	0	0	0	0	7	5	8	13	33
Lunenburg	0	0	4	1	6	5	16	24	0	56									
Rupert											7	0	0	8	17	27	16	3	78
St. Johnsbury	37	0	0	4	29	1	10	10	2	93	0	0	0	0	6	1	12	2	21
MASSACHUSETTS—																			
Amherst	3	4	0	16	2	8	5	51	0	89	1	0	0	5	2	4	4	16	32
Bridgewater	3	7	3	5	6	9	10	19	0	62	2	1	0	1	6	2	8	9	29
Cambridge	4	6	8	5	5	17	8	15	19	87									
Florida	0	8	3	23	1	11	14	33	0	93	0	8	4	19	1	13	7	23	75
Lawrence	1	14	3	16	1	13	2	43	0	93									
Mendon	0	18	2	0	15	12	4	39	0	90	0	19	2	0	15	12	3	40	91
Nantucket	5	3	5	17	6	21	7	24	5	93									
New Bedford	7	12	2	17	2	18	8	26	0	92	2	0	0	0	0	3	7	2	14
Richmond	0	10	0	21	0	17	0	45	0	93	1	6	0	21	0	20	1	17	66
Westfield	5	6	7	11	1	15	19	29	0	93	0	0	0	0	0	2	0	0	2
Williamstown	0	0	28	5	3	12	27	17	1	93	0	1	0	0	0	0	0	3	4
Worcester	4	14	3	15	2	10	6	36	0	90	0	0	0	0	1	5	9	14	29
RHODE ISLAND—																			
Providence	6	8	4	8	11	12	6	38	0	93									
CONNECTICUT—																			
Columbia	1	7	0	12	1	13	2	43	14	93	0	6	0	11	1	9	2	30	59
Middletown	13	2	0	15	8	11	5	31	8	93	2	0	0	0	0	9	20	9	40
Pomfret	2	12	1	11	8	11	2	44	0	91	0	9	1	8	6	12	5	21	62
Saybrook	5	12	15	7	4	7	9	22	12	93	2	2	1	1	2	8	17	7	40
Wallingford	13	9	1	19	9	10	6	26	0	93	3	0	0	0	3	12	17	7	42
NEW YORK—																			
Baldwinsville	4	3	18	6	8	3	32	19	0	93	3	1	2	0	5	4	45	13	73
Bellport	14	7	3	21	5	12	5	26	0	93									
Beverly	5	12	0	15	0	33	0	19	0	84	1	4	3	13	5	20	7	5	58
Cazenovia	7	1	0	13	19	11	16	25	0	92	0	0	0	11	8	18	24	14	75
Eden	2	4	6	28	12	14	19	0	0	85	0	0	0	1	4	21	31	0	57
Morrisania	8	13	6	10	8	17	12	19	0	93									
Nichols	5	1	7	26	11	3	11	29	0	93	6	0	0	5	16	4	4	29	64
Ogdensburg	8	7	1	0	3	4	2	6	0	31									
Oswego	9	4	8	25	6	8	27	6	0	93									
Penn Yan	6	3	0	1	26	26	24	7	0	93									
Rochester	1	3	12	5	2	7	27	5	0	62	0	1	4	2	7	7	34	6	61
Saratoga	1	23	0	4	0	41	4	20	0	93	1	23	0	4	0	41	4	20	93
Wampsville	0	0	26	8	6	4	45	4	0	93	0	0	22	9	5	5	31	3	75

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW JERSEY—																			
Lambertville	3	8	3	13	4	11	10	33	0	85									
Moorestown	2	0	8	7	6	8	7	7	0	45	0	0	0	2	0	1	1	2	6
Newark	1	15	4	8	1	12	2	19	0	62									
PENNSYLVANIA—																			
Bellefonte	10	1	2	6	21	17	15	14	1	87	2	0	0	0	9	3	9	17	40
Berwick	3	4	25	7	5	6	37	6	0	93									
Cannonsburg	0	3	16	13	1	15	41	4	0	93	0	0	0	0	0	3	0	0	3
Carlisle	0	3	1	22	0	10	14	14	29	93	0	1	0	14	0	7	9	5	36
Chambersburg	8	2	41	10	0	0	10	2	20	93	1	0	9	1	12	6	33	1	63
Easton	4	16	1	18	6	2	1	40	3	91									
Fleming	2	3	5	9	1	9	18	37	0	84	1	0	0	4	2	6	21	20	54
Gettysburg	6	8	1	3	14	29	11	18	3	93	0	0	0	1	1	21	22	15	60
Harrisburg, [Heisely]	3	2	10	15	7	3	12	57	3	92	2	0	2	4	2	2	5	14	31
Harrisburg, [Hickok]	16	7	15	4	5	12	29	5	0	93	0	0	0	0	5	3	10	1	19
Lewisburg	9	5	2	5	17	2	18	7	0	65	0	0	0	0	4	6	15	1	26
Linden	2	5	18	5	0	1	29	1	2	54									
Morrisville	2	4	10	14	7	17	11	26	2	93	0	2	4	7	2	24	14	12	65
Mount Joy	0	1	0	26	4	3	0	47	11	92	0	0	0	9	0	3	0	8	20
Murrysville	0	3	26	10	1	32	7	2	7	88	0	0	0	3	0	24	12	7	46
Norristown	1	2	17	4	2	6	46	3	0	81	0	0	9	1	2	15	40	1	68
North Whitehall	2	2	10	0	5	5	16	16	37	93	0	0	3	0	7	5	17	14	46
Philadelphia	0	7	3	18	1	26	15	23	0	93	0	0	0	0	0	5	9	6	20
Pittsburg, [Marine Hosp.]	1	1	9	20	14	13	15	17	3	93	0	0	0	5	6	18	12	1	42
Pocopson	11	4	3	7	12	21	24	8	0	90	2	0	0	1	3	12	17	5	40
Shamokin	0	1	21	4	8	5	54	0	0	93	0	0	0	0	0	0	68	1	69
Somerset	0	1	0	17	6	10	33	4	22	93	0	0	0	5	6	9	29	4	53
Tarentum	1	3	4	8	3	30	6	7	30	92	0	0	0	1	5	24	28	6	64
West Haverford	1	2	1	7	7	9	7	23	5	62	0	1	0	1	2	4	15	18	41
Westtown	1	4	8	12	6	14	8	38	0	91	1	0	1	1	0	7	12	14	36
Worthington	0	0	10	3	1	1	16	3	0	34									
MARYLAND—																			
Annapolis	9	6	2	5	27	13	5	14	12	93	0	0	0	0	0	25	0	3	28
Baltimore	8	2	41	10	0	0	10	2	20	93									
Bladensburg	1	2	3	7	4	5	3	15	0	40									
Chestertown	1	7	0	23	0	18	7	37	0	93	1	4	0	8	0	7	9	12	41
Frederick	1	16	0	1	6	15	25	14	15	93	0	1	0	0	6	9	31	1	48
Leitersburg	1	1	3	1	20	19	21	20	6	92	0	0	0	1	7	11	21	16	56
Leonardtown	8	6	3	26	4	9	16	11	2	85	1	0	0	0	0	1	4	21	27
Sykesville	4	8	6	11	6	22	29	7	0	93	1	1	5	4	0	21	35	0	67
DISTRICT OF COLUMBIA—																			
Washington	3	8	3	16	16	6	11	24	4	91									
VIRGINIA—																			
Crichton's Store	11	12	3	6	17	25	10	7	2	93	0	0	0	0	1	4	5	0	10
Cross Creek											0	0	0	2	10	18	24	1	55
Kanawha	6	0	1	3	32	7	8	1	7	65	0	0	0	0	0	6	8	2	16
Lewinsville	2	4	1	29	9	9	11	28	0	93									
Lewisburg	8	8	5	2	5	22	19	24	0	93									
Montross	2	4	9	13	6	12	17	7	23	93	0	0	0	0	10	9	8	2	29
Mount View	0	11	2	10	8	22	36	4	0	93	0	3	1	0	12	3	14	3	56
Point Pleasant	0	0	70	0	0	5	0	18	0	93	0	0	13	0	0	0	25	0	38
Poplar Grove	0	2	20	4	0	3	21	19	24	93	0	1	0	1	7	18	17	7	51
Portsmouth	9	5	7	24	4	19	10	15	0	93									
Rougemont	11	9	7	4	21	7	30	0	0	89	1	0	0	1	11	5	22	0	40
Stribling Springs	2	6	0	2	6	39	0	38	0	93	0	1	0	2	5	32	0	8	48
The Plains	1	0	0	3	9	13	0	25	0	51	0	0	0	0	0	0	0	1	1
Winchester	0	0	2	0	4	2	28	1	53	90									
NORTH CAROLINA—																			
Chapel Hill	9	16	4	4	17	13	24	6	0	93	0	1	0	0	9	27	10	1	48
Murfreesborough	0	8	7	16	1	18	17	6	20	93	0	0	0	9	0	12	37	0	58
SOUTH CAROLINA—																			
Aiken	2	6	15	3	10	7	15	0	0	58									

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
SOUTH CAROLINA—Cont'd.																			
All Saints	8	5	4	11	16	21	23	5	0	93	3	1	1	0	2	25	20	1	53
Charleston	1	5	2	3	2	11	1	6	0	31									
Columbia, [Barton]	1	3	11	16	8	5	28	11	8	92	1	1	6	4	3	4	33	2	54
Columbia, [White]	3	4	5	10	4	10	18	8	28	90	1	1	4	1	0	0	0	0	7
St. John's	0	4	3	22	5	18	3	23	0	78	1	0	1	1	1	14	15	3	36
GEORGIA—																			
Athens	0	6	11	7	11	16	18	11	11	91	0	0	1	0	2	4	10	2	19
Atlanta	0	0	13	11	20	5	28	16	0	93									
Augusta	3	11	1	9	7	32	28	2	0	93	0	7	1	6	9	31	1	0	55
Savannah	4	8	5	23	7	24	13	9	0	93	0	0	0	1	0	0	4	0	5
Sparta	2	10	9	13	9	19	14	17	0	93	1	4	1	1	5	14	20	7	53
Thomaston	8	12	10	8	4	10	14	19	0	85									
Thomson	0	15	0	19	1	41	3	12	0	91	0	0	0	0	1	4	0	0	5
Whitemarsh Island	2	14	2	8	18	11	6	16	16	93	0	4	0	1	8	13	14	5	45
Zebulon	0	5	38	4	2	16	23	5	0	93	0	0	0	1	10	18	12	4	45
FLORIDA—																			
Alligator	1	8	6	1	3	29	6	9	30	93									
Atsena	7	16	6	17	12	18	9	8	0	93	8	4	13	10	11	8	4	0	58
Belair	8	14	21	18	1	2	2	11	16	93	0	0	0	6	0	38	25	1	70
Gainesville	4	8	2	29	2	25	3	17	0	90									
Jacksonville	9	16	0	9	8	37	0	8	0	87	0	6	1	3	7	33	2	2	54
Micanopy	1	8	9	11	7	12	13	5	9	75	0	0	0	0	1	4	0	0	5
St. Augustine	5	36	3	16	1	14	1	17	0	93	1	28	3	14	0	12	1	16	75
Salt Ponds	6	3	6	21	14	5	2	2	3	62									
Seville	0	7	1	3	2	8	0	2	13	36	0	1	1	2	2	6	0	0	12
ALABAMA—																			
Carlowville	3	4	18	2	20	4	36	6	0	93	0	0	0	0	1	1	4	1	7
Greene Springs	0	2	0	33	3	15	18	2	15	88	0	0	0	5	1	20	8	9	43
Greensborough	3	3	2	30	8	3	15	11	0	75	0	1	2	3	0	10	21	2	39
Montgomery	0	0	2	3	0	1	1	5	0	12	0	0	4	2	2	18	29	2	57
Moulton	3	3	7	18	10	11	5	10	25	92	0	0	0	0	9	13	11	1	34
Selma	0	3	4	25	1	24	7	29	0	93	0	0	1	10	3	28	19	10	71
MISSISSIPPI—																			
Columbus	7	4	16	18	14	3	22	9	0	93	1	0	3	4	13	9	14	6	50
Natchez	7	7	3	22	14	15	1	24	0	93	0	0	0	0	0	7	9	0	16
LOUISIANA—																			
Black River (*a*)	13	5	0	13	40	7	3	12	0	93	1	1	0	0	15	26	7	2	52
New Orleans	0	30	0	22	0	9	0	32	0	93									
TEXAS—																			
Austin, [Palm]	11	4	3	11	14	41	4	5	0	93	0	0	0	1	2	1	3	0	7
Austin, [Van Nostrand]	7	0	2	6	36	7	14	17	4	93	0	0	0	0	22	25	3	1	51
Kaufman	33	1	4	1	30	6	0	18	0	93									
Larissa	12	4	5	19	16	10	13	8	4	91	10	4	0	4	4	7	5	0	34
New Braunfels	25	1	6	15	19	4	8	12	0	90									
Northern tier of counties	12	11	6	14	19	34	4	14	2	116									
Union Hill	19	2	7	5	42	3	6	7	2	93	6	0	2	2	38	3	4	1	56
Sisterdale	8	3	1	27	9	6	9	30	0	93	0	0	0	0	0	1	0	0	1
Washington	0	0	0	1	42	0	12	16	19	90	0	0	0	0	4	2	2	0	8
Webberville	13	0	0	5	41	2	2	11	7	81									
ARKANSAS—																			
Washington	20	0	0	0	4	10	1	8	0	43									
TENNESSEE—																			
Glenwood	4	7	4	35	11	11	5	12	4	93	0	1	0	10	7	16	24	7	65
La Grange	1	4	5	23	14	27	8	5	6	93	2	0	0	4	11	18	16	0	51
KENTUCKY—																			
Bardstown	2	4	7	7	20	21	25	6	0	92	2	1	2	6	4	29	18	4	66
Danville	2	4	9	12	18	13	30	5	0	93	0	0	0	0	3	28	19	6	56
Louisville	3	5	2	17	32	17	14	3	0	93	1	0	0	1	10	22	13	2	49
Paris	1	2	3	14	8	24	27	13	1	93	1	1	1	3	1	16	15	6	44
Springdale	0	15	8	6	15	26	10	2	11	93									

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—																			
Avon	0	6	2	12	9	25	28	8	0	90	0	2	0	2	5	19	27	6	61
Bellefontaine	0	3	10	19	1	24	16	16	0	89	0	10	3	22	2	25	6	13	81
Bowling Green	2	12	3	9	2	27	10	3	21	89	0	0	0	2	2	22	10	8	44
Cincinnati, [Harper]	0	3	5	5	26	16	33	5	0	93									
Cincinnati, [Phillips]	0	1	9	0	15	12	23	20	13	93	0	0	0	0	7	18	19	11	55
Cleveland	8	3	0	19	23	7	26	4	2	92	0	0	0	1	4	9	7	0	21
College Hill	2	2	1	25	12	31	11	7	2	93	0	0	1	9	9	21	9	7	56
Hillsborough	0	6	0	35	3	28	12	9	0	93	0	0	0	0	0	1	0	0	1
Hiram	1	1	1	13	18	29	11	10	0	84	0	0	0	1	3	10	11	12	37
Hudson	2	2	11	18	6	19	24	8	0	90									
Madison, [Atkins]	0	3	2	10	14	9	25	4	7	74	0	0	0	0	3	2	13	0	18
Madison, [King]	3	3	0	15	13	28	12	14	5	93	1	0	0	2	5	46	11	7	72
Montville	4	3	0	21	18	27	8	10	0	91	0	0	0	4	1	22	6	3	36
New Lisbon	1	2	10	17	9	29	13	11	1	93	0	0	4	12	5	22	11	11	65
Northwood	3	18	11	15	0	7	5	16	0	75	0	1	1	0	10	8	7	6	33
Portsmouth	1	14	2	9	0	53	6	7	0	92									
Rockport	5	4	2	7	12	14	44	5	0	93									
Savannah	0	2	0	16	4	36	16	19	0	93	1	1	0	2	5	35	12	14	70
Troy	0	0	4	0	5	0	60	0	24	93	0	0	0	0	1	0	58	0	59
Urbana	0	4	4	18	6	19	13	4	23	91	1	0	0	2	7	23	32	1	66
Welchfield	1	0	1	34	2	29	17	9	0	93	0	0	0	0	0	3	1	0	4
Westerville	2	1	2	8	16	35	24	4	0	92	2	0	0	6	11	16	28	0	63
MICHIGAN—																			
Battle Creek	2	4	9	15	17	8	25	8	5	93	1	0	0	0	3	18	37	10	69
Detroit	0	7	2	20	5	46	11	2	0	93	1	0	2	11	4	33	35	5	91
Grand Rapids	3	15	15	10	6	27	6	11	0	93	2	4	9	3	7	10	39	13	87
Lansing	0	2	4	8	1	3	4	3	0	25	0	1	5	5	1	1	9	1	23
Marquette	2	2	8	25	2	6	12	36	0	93	0	1	0	0	0	0	0	1	2
Monroe	0	21	0	19	0	6	0	9	0	55	0	17	0	17	0	5	0	9	48
New Buffalo											0	0	5	2	5	20	41	9	82
Ottawa Point (*a*)	6	35	8	10	8	26	6	25	0	124	7	13	14	3	2	1	0	1	41
Port Huron	7	3	0	12	15	21	10	15	5	88	2	0	0	2	2	16	9	2	33
Thunder Bay Island	20	7	9	31	19	11	4	22	1	124	11	2	1	13	10	2	7	9	55
Ypsilanti	5	4	15	19	3	20	19	6	1	92	2	0	4	7	6	10	32	7	68
INDIANA—																			
Aurora	0	2	0	4	2	3	9	2	0	22									
Cannelton	1	2	11	24	21	6	19	7	2	93	0	0	0	4	9	10	10	4	37
Logansport	0	9	4	14	1	23	15	27	0	93	2	8	8	8	6	17	23	21	93
Mishawaka	0	0	7	14	27	5	38	2	0	93									
New Harmony	2	2	5	30	12	21	8	9	0	89									
Richmond	1	7	5	1	16	7	10	10	0	57	0	0	0	0	10	9	10	9	38
ILLINOIS—																			
Augusta	0	9	9	24	7	12	19	12	1	93	0	6	1	4	2	5	15	14	47
Aurora	5	13	3	18	15	11	20	8	0	93	0	2	0	1	7	24	21	10	65
Batavia, [Mead]	0	23	1	15	0	30	9	15	0	93	0	16	1	9	0	32	8	17	83
Elgington	0	9	5	16	8	13	3	39	0	93	0	6	4	11	5	29	3	31	89
Elgin	3	11	10	16	6	17	3	25	2	93	0	0	0	0	1	4	5	1	11
Manchester	5	5	3	4	31	11	21	10	0	93	4	3	2	2	29	10	15	8	73
Marengo	0	5	14	17	5	46	6	0	0	93									
Ottawa	2	13	3	24	4	28	8	11	0	93	1	4	0	0	0	14	5	11	35
Pekin	8	3	10	20	23	7	10	11	1	93	6	2	3	3	7	13	19	12	65
Peoria	3	17	18	2	9	9	35	0	0	93	0	0	0	0	1	0	8	0	9
Riley	9	6	17	10	8	13	19	8	3	93									
Sandwich	0	23	1	22	6	8	9	24	0	93	0	0	0	0	0	0	29	5	34
Upper Alton	1	1	0	0	0	11	3	13	0	29	1	1	0	0	0	11	3	13	29
Waynesville	8	1	22	6	22	3	28	3	0	93	3	0	1	2	11	4	16	3	40
West Salem	1	0	7	25	13	12	7	13	15	93	0	0	0	0	0	26	20	1	47
West Urbana	1	4	3	33	9	21	5	17	0	93	1	0	0	0	3	2	2	0	8
Wheaton	6	10	15	13	7	13	10	16	1	91	1	0	0	0	1	5	5	3	15
Winnebago	7	11	4	21	8	19	10	10	0	93	1	1	1	1	0	15	11	8	38

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 40.—WINDS—NUMBER OF OBSERVATIONS, MARCH, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI—																			
St. Louis, [Engelmann]	2	0	16	23	5	19	26	2	0	93	----	----	----	----	----	----	----	----	----
St. Louis, [Fendler]	5	0	6	40	29	8	18	31	11	148	0	0	3	11	14	28	32	16	104
WISCONSIN—																			
Appleton	12	23	6	6	10	29	0	7	0	93	11	22	5	3	4	21	3	7	76
Bay City	2	42	6	1	10	13	2	17	0	93	1	6	3	0	0	13	2	6	31
Bayfield	0	28	0	2	0	11	3	16	2	62	1	15	0	1	0	22	3	11	53
Beloit	5	3	14	13	11	14	28	5	0	93	0	0	1	0	0	1	0	0	2
Kenosha	3	8	12	10	11	15	23	4	3	89	----	----	----	----	----	----	----	----	----
Madison	3	6	1	18	13	18	9	23	0	91	0	0	0	0	1	0	2	0	3
Manitowoc	11	9	9	15	11	10	12	16	0	93	1	0	0	0	1	4	12	4	22
Milwaukee, [Pomeroy]	2	19	6	27	3	17	6	13	0	93	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	4	24	3	14	2	13	13	20	0	93	----	----	----	----	----	----	----	----	----
Platteville	2	9	11	24	4	9	11	23	0	93	5	7	3	15	4	15	16	13	78
Waukesha	1	15	5	1	2	1	14	8	11	58	0	3	1	0	0	2	0	0	6
Wausau	10	11	21	4	4	11	7	16	0	84	8	2	4	2	1	1	4	7	29
IOWA—																			
Bellevue	3	7	19	8	5	14	17	19	0	92	----	----	----	----	----	----	----	----	----
Border Plains	0	4	2	27	7	3	3	46	1	93	0	0	0	1	0	3	1	1	6
Burlington	0	6	3	13	7	24	7	31	1	92	6	3	0	1	2	12	4	0	28
Dubuque	13	2	1	18	13	8	10	22	6	93	3	2	0	8	5	8	8	18	52
Fairfield	0	7	0	29	3	15	11	20	8	93	----	----	----	----	----	----	----	----	----
Fort Madison	1	10	1	27	0	23	5	26	0	93	8	3	2	5	12	14	20	9	73
Muscatine	6	5	5	19	9	17	19	13	0	93	0	0	0	1	1	17	7	2	28
Pleasant Plain	1	12	1	20	13	26	5	14	1	93	0	1	0	4	3	10	10	8	36
Rossville	10	6	14	9	9	9	17	17	2	93	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Beaver Bay, [Clark]	18	24	1	0	2	8	16	11	13	93	9	8	0	1	3	13	9	9	52
Burlington	7	9	28	5	8	0	16	11	0	84	8	0	14	5	4	6	20	5	62
Forest City	9	6	16	6	6	2	15	8	25	93	----	----	----	----	----	----	----	----	----
Hazlewood	3	17	8	1	16	5	7	36	0	93	4	11	7	0	3	0	3	3	31
Princeton	19	11	12	9	4	3	9	23	3	93	4	4	8	4	3	3	5	5	36
NEBRASKA—																			
Bellevue	39	8	2	7	19	3	5	8	1	92	16	0	1	4	7	7	4	2	41
Brownville	0	3	1	21	1	18	5	44	0	93	5	1	0	7	9	13	4	19	58
Elkhorn	12	16	1	18	6	8	6	26	0	93	0	0	0	0	0	1	1	0	2
Omaha, [Rain]	20	7	1	12	14	11	12	16	0	93	1	1	0	0	1	1	3	0	7
KANSAS—																			
Burlingame	18	1	3	11	24	6	2	16	12	93	----	----	----	----	----	----	----	----	----
Lawrence	23	3	0	2	39	2	11	9	2	91	----	----	----	----	----	----	----	----	----
Manhattan	14	4	3	4	15	19	3	17	14	93	15	0	0	1	7	29	11	16	79
Neosho Falls	2	4	2	14	13	21	5	26	6	93	----	----	----	----	----	----	----	----	----
MEXICO—																			
Cordova	2	14	2	2	1	8	2	0	0	31	----	----	----	----	----	----	----	----	----
Minatitlan	4	17	0	6	4	22	2	2	36	93	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Marysville	19	0	0	21	28	16	0	9	0	93	----	----	----	----	----	----	----	----	----
Sacramento	26	3	3	15	12	14	12	8	0	93	0	0	7	0	0	10	16	4	37
San Francisco	22	1	0	0	7	8	13	14	28	93	5	0	0	0	1	7	22	14	49
WEST INDIES—																			
Nassau, Bahamas	2	6	5	5	0	6	0	0	3	27	---	----	----	----	----	----	----	----	----
St. George's, Bermuda	19	16	6	7	15	25	13	23	0	124	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Guatemala	1	36	0	0	0	55	0	5	27	124	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	5	36	11	12	1	3	0	1	0	69	----	----	----	----	----	----	----	----	----
Chanarcillo, Chili	1	22	3	12	8	86	1	5	1	139	----	----	----	----	----	----	----	----	----
EASTERN CONTINENT—																			
Jerusalem, Palestine	0	1	1	11	0	1	25	19	35	93	----	----	----	----	----	----	----	----	----

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Halifax	3	3	0	3	0	0	3	12	0	24	--	--	--	--	--	--	--	--	--
Red River Settlement	16	3	3	1	16	7	5	17	20	88	0	1	0	6	0	2	1	14	24
Rigolet	23	24	5	0	0	2	0	0	6	60	--	--	--	--	--	--	--	--	--
St. John's	15	5	0	4	4	12	12	38	0	90	12	6	0	2	6	8	12	34	80
St. Martin	2	16	0	12	1	23	9	27	0	90	--	--	--	--	--	--	--	--	--
Stanbridge	8	11	5	18	7	4	16	17	4	90	--	--	--	--	--	--	--	--	--
Toronto	1	21	5	16	3	15	5	22	2	90	--	--	--	--	--	--	--	--	--
Windsor	14	2	3	6	2	10	11	17	11	76	--	--	--	--	--	--	--	--	--
Wolfville	8	6	2	6	5	5	13	27	0	72	5	6	2	5	4	4	4	23	53
MAINE—																			
Cornish	5	8	9	6	6	7	25	24	0	90	1	0	0	0	0	2	1	4	8
Cornishville	10	2	2	8	12	5	6	45	0	90	0	0	0	0	0	0	0	2	2
Dexter	5	2	0	14	9	1	1	57	1	90	0	0	0	0	0	0	0	5	5
Gardiner	4	5	2	12	0	9	2	42	12	88	1	1	0	2	2	5	2	16	29
Lisbon	4	9	7	5	11	2	9	43	0	90	2	3	6	4	6	2	5	28	56
Perry	5	3	12	5	5	11	4	45	0	90	7	2	0	0	0	4	2	17	32
Portland	12	14	3	11	9	2	14	24	0	89	3	2	1	1	3	1	7	11	29
Steuben	5	16	2	10	2	17	1	35	2	90	3	5	1	0	0	10	9	10	38
NEW HAMPSHIRE—																			
Shelburne	0	0	19	0	0	0	55	0	14	88	3	0	4	4	0	1	21	24	57
Stratford	2	10	15	4	3	13	19	13	11	90	2	0	0	1	0	4	15	9	31
VERMONT—																			
Brandon	25	0	3	9	13	1	10	22	7	90	2	0	0	3	3	5	2	31	46
Burlington	21	4	1	2	14	4	12	31	0	89	--	--	--	--	--	--	--	--	--
Craftsbury	4	12	3	5	14	8	10	28	6	90	3	1	0	1	1	4	15	18	43
Lunenburg	0	0	0	0	10	2	33	15	0	60	--	--	--	--	--	--	--	--	--
Rupert	--	--	--	--	--	--	--	--	--	--	10	0	8	3	4	21	24	2	73
St. Johnsbury	24	3	1	1	18	1	16	25	1	90	4	2	1	1	5	0	18	2	33
MASSACHUSETTS—																			
Amherst	1	5	6	10	3	6	7	48	0	86	0	3	2	0	1	1	9	15	31
Boston	4	9	13	1	2	0	11	12	0	52	1	0	9	1	1	5	4	1	22
Bridgewater	7	16	11	7	3	5	23	17	1	90	2	5	4	2	2	7	16	10	48
Cambridge	3	8	4	4	2	5	11	10	9	56	--	--	--	--	--	--	--	--	--
Florida	3	4	0	12	0	8	27	36	0	90	0	4	0	14	0	5	27	31	81
Lawrence	1	16	2	10	1	4	2	53	0	89	--	--	--	--	--	--	--	--	--
Mendon	0	26	5	0	1	15	1	42	0	90	0	27	5	0	0	16	0	36	84
Nantucket	8	16	3	9	4	17	9	21	2	89	--	--	--	--	--	--	--	--	--
New Bedford	4	16	0	11	5	14	6	33	1	90	3	2	0	0	1	1	7	12	26
Richmond	0	6	2	18	0	2	0	62	0	90	0	10	0	14	1	5	3	27	60
Westfield	5	13	5	8	1	10	21	27	0	90	0	0	0	0	0	1	1	1	3
Williamstown	1	7	21	0	1	5	29	16	9	89	4	1	10	3	0	13	7	2	40
Worcester	6	17	4	13	3	1	3	40	0	87	2	1	0	1	1	1	2	20	28
RHODE ISLAND—																			
Providence	8	17	4	8	4	10	0	39	0	90	--	--	--	--	--	--	--	--	--
CONNECTICUT—																			
Columbia	1	17	1	2	2	5	0	51	11	90	5	10	1	6	0	6	2	25	51
Middletown	10	9	1	7	2	13	6	25	17	90	0	2	0	1	1	8	17	19	48
Pomfret	5	20	0	9	3	8	0	45	0	90	0	10	0	7	3	7	2	33	62
Saybrook	7	10	7	9	6	10	13	21	6	89	2	2	1	3	0	1	20	12	41
Wallingford	14	7	2	13	4	12	2	36	0	90	1	0	1	4	0	3	24	12	45
NEW YORK—																			
Baldwinsville	10	12	13	3	1	5	16	29	0	89	5	1	3	2	2	4	28	19	64
Bellport	4	10	4	13	5	20	4	29	0	89	0	3	2	7	2	5	2	4	25
Beverly	8	15	0	5	4	42	2	10	0	86	0	8	5	5	4	15	22	2	61
Cazenovia	6	2	3	6	2	6	16	31	0	72	1	2	1	3	0	7	23	16	53
Eden	20	2	11	4	13	6	24	7	1	88	0	0	1	1	2	1	34	1	40
Morrisania	6	15	4	13	2	12	28	10	0	90	6	9	1	8	1	11	16	8	60
Nichols	10	2	7	14	13	1	8	35	0	90	10	1	2	6	5	4	6	38	72
Ogdensburg	4	2	0	0	1	9	1	1	0	18	0	0	0	0	0	0	2	0	2
Oswego	15	9	11	3	6	2	31	5	7	89	--	--	--	--	--	--	--	--	--
Penn Yan	18	1	0	1	17	24	28	1	0	90	--	--	--	--	--	--	--	--	--
Rochester, [Dewey]	0	4	5	4	1	8	32	6	0	60	0	0	4	2	1	1	45	3	56

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Saratoga	1	30	1	4	1	16	1	16	0	70	1	24	2	7	0	19	2	15	70
Wampsville	0	2	7	12	4	3	59	3	0	90	0	10	3	3	4	46	4	0	70
NEW JERSEY—																			
Freehold	9	11	26	8	4	11	0	3	0	72	----	----	----	----	----	----	----	----	----
Lambertville	6	14	4	9	6	8	8	27	0	82	----	----	----	----	----	----	----	----	----
Newark	2	9	6	11	2	8	5	18	0	61	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bellefonte	0	8	2	1	7	2	64	6	0	90	7	12	15	12	3	0	35	3	87
Berwick	4	3	30	1	4	3	40	5	0	90	----	----	----	----	----	----	----	----	----
Bedford	2	2	6	12	2	4	19	29	0	76	0	1	5	7	2	0	23	20	58
Cannonsburg	3	1	22	1	1	9	40	12	1	90	----	----	----	----	----	----	----	----	----
Carlisle	1	12	7	9	0	17	10	16	15	87	0	6	6	7	0	17	7	11	54
Chambersburg	6	2	20	2	6	3	27	1	23	90	5	1	7	0	2	10	38	7	70
Easton	2	8	2	22	2	8	3	42	1	90	----	----	----	----	----	----	----	----	----
Fleming	1	6	14	18	0	11	12	28	0	90	0	0	3	10	0	4	24	27	68
Gettysburg	4	10	4	2	15	20	9	17	9	90	2	6	1	2	1	10	27	23	72
Harrisburg, [Heisely]	5	2	9	11	16	0	11	29	7	90	0	0	1	1	5	0	9	12	28
Harrisburg, [Hickok]	12	7	15	4	6	9	33	4	0	90	1	0	3	0	0	1	5	0	10
Lewisburg	8	4	1	6	13	5	27	8	0	72	0	2	0	1	0	0	14	5	22
Linden	1	5	16	0	3	0	36	1	2	64	----	----	----	----	----	----	----	----	----
Morrisville	3	7	11	12	5	16	10	20	6	90	0	6	6	10	0	19	18	13	72
Mount Joy	0	0	0	16	0	3	1	22	0	42	1	0	2	4	0	6	8	6	27
Norristown	3	5	23	5	0	5	36	1	0	78	0	6	9	1	0	10	36	2	64
North Whitehall	0	8	7	0	4	12	10	21	28	90	0	3	7	0	1	5	13	10	39
Philadelphia	1	20	2	5	2	22	17	21	0	90	0	4	0	0	1	7	12	3	27
Pittsburg, [Marine Hosp]	4	4	10	9	7	16	17	23	0	90	2	11	9	11	1	8	8	1	51
Pocopson	6	7	10	6	5	17	26	8	0	85	4	1	0	1	1	8	15	4	34
Shamokin	0	2	37	4	5	0	41	1	0	90	0	0	1	0	0	3	65	1	70
Somerset	0	3	6	9	1	10	29	8	24	90	1	1	2	1	0	5	41	6	57
Tarentum	2	9	3	3	1	15	15	9	30	87	1	2	3	1	0	10	33	8	58
West Haverford	0	9	3	5	8	8	8	17	2	60	1	2	0	2	2	3	16	16	42
Worthington	0	3	11	0	1	2	9	9	0	35	----	----	----	----	----	----	----	----	----
MARYLAND—																			
Annapolis	2	21	2	8	13	18	4	16	7	91	0	2	0	0	0	20	0	2	24
Baltimore	13	3	12	11	6	7	15	11	2	80	0	0	2	0	0	0	0	0	2
Bladensburg	0	10	5	5	2	16	5	18	0	61	----	----	----	----	----	----	----	----	----
Chestertown	0	0	0	3	0	12	1	13	0	29	0	0	0	1	0	3	2	5	11
Frederick	5	17	0	3	6	9	19	11	19	89	1	1	0	1	0	0	40	0	43
Leitersburg	2	6	4	5	8	22	25	13	5	90	2	1	4	2	3	5	37	19	73
Leonardtown (*a*)	17	7	4	15	5	14	14	13	1	90	0	0	4	8	0	2	8	9	31
Sykesville	6	11	6	8	16	16	19	6	0	88	0	4	2	9	0	11	48	2	76
DISTRICT OF COLUMBIA—																			
Washington	2	11	6	2	16	6	13	15	18	89	0	0	0	0	0	0	4	0	4
VIRGINIA—																			
Crichton's Store	12	5	0	2	11	39	12	9	0	99	0	0	0	0	0	14	1	0	15
Cross Creek	----	----	----	----	----	----	----	----	----	----	7	0	2	0	14	9	29	9	70
Kanawha	13	0	0	0	29	4	5	8	15	74	0	0	1	0	0	9	15	4	29
Lewinsville	3	12	4	18	4	10	17	22	0	90	----	----	----	----	----	----	----	----	----
Lewisburg	6	0	1	0	8	34	23	18	0	90	----	----	----	----	----	----	----	----	----
Montross	5	7	10	2	8	12	19	6	21	90	0	3	3	1	2	10	16	1	36
Mount View	9	8	4	4	10	26	23	6	0	90	6	6	7	3	5	7	18	5	57
Point Pleasant	0	0	35	0	0	0	55	0	0	90	0	0	54	0	0	0	14	0	68
Poplar Grove	0	1	7	4	0	9	14	27	28	90	0	1	2	0	1	18	22	12	56
Portsmouth	1	22	4	7	1	25	11	19	0	90	----	----	----	----	----	----	----	----	----
Rougemont	3	15	4	1	16	12	22	7	4	84	0	3	0	0	4	3	33	4	47
Smithfield	6	19	4	3	16	25	2	7	0	82	0	8	0	3	2	4	28	9	54
Stribling Springs	4	4	0	1	1	50	0	30	0	90	0	1	0	3	0	48	0	7	59
The Plains	11	4	0	7	1	27	15	25	0	90	----	----	----	----	----	----	----	----	----
Winchester	0	0	0	0	0	1	19	10	59	89	0	0	2	0	0	0	3	2	7

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NORTH CAROLINA—																			
Chapel Hill	14	14	1	2	5	26	18	10	0	90	5	4	0	0	1	32	9	3	54
Davidson College	0	13	1	4	1	51	9	5	0	84	0	5	0	0	0	47	6	7	65
Murfreesborough	2	12	3	12	1	30	7	9	13	89	2	3	1	3	0	12	34	3	58
SOUTH CAROLINA—																			
Aiken	6	10	7	3	5	10	31	1	0	73									
All Saints	8	3	4	1	6	36	21	9	0	88	3	2	0	0	1	9	35	5	55
Charleston	3	3	0	2	3	13	0	6	0	30									
Columbia, [Barton]	0	9	6	2	14	11	25	21	2	99	1	0	1	0	0	5	42	4	53
Columbia, [White]	3	6	1	2	6	14	19	9	30	90	0	0	0	0	0	0	10	0	10
St. John's	2	7	1	8	7	26	8	16	0	75	1	1	0	0	1	0	20	16	39
GEORGIA—																			
Athens	4	5	5	0	1	4	32	23	15	89	0	0	0	0	0	3	21	5	29
Atlanta	3	4	4	4	6	25	15	29	0	90									
Augusta	1	0	3	8	6	40	25	6	0	89	1	1	2	1	2	44	1	1	53
Savannah	5	8	4	3	23	30	10	6	0	89	0	0	0	0	0	2	3	1	6
Sparta	3	3	2	7	5	37	10	23	0	90	1	2	0	1	1	11	15	9	43
Thomaston	5	4	8	7	3	38	6	19	0	90									
Thomson	0	8	0	7	1	40	3	16	7	82	0	0	0	0	0	2	0	1	3
Whitemarsh Island	2	11	0	2	14	14	17	19	8	87	3	2	1	0	1	5	9	12	33
FLORIDA—																			
Alligator	3	8	4	4	6	27	6	6	26	90									
Atsena	10	6	9	7	7	24	12	11	4	90	2	2	8	2	4	15	9	5	47
Belair	21	18	8	26	1	0	0	1	15	90	1	0	0	3	1	28	23	3	59
Gainesville	0	15	0	11	1	29	5	28	0	89	0	0	0	0	3	4	1	0	8
Jacksonville	0	10	0	5	4	52	3	13	0	87	0	3	1	1	0	26	4	2	37
Micanopy	4	3	2	14	6	8	17	10	21	85	0	0	0	0	0	0	5	4	9
Salt Ponds	6	5	8	22	11	2	4	2	0	60									
Seville	0	7	0	2	2	0	0	1	8	20	0	3	0	1	1	2	1	0	8
St. Augustine	6	26	4	22	1	19	0	12	0	90	5	20	2	13	0	8	0	1	49
ALABAMA—																			
Carlowville	7	8	6	22	24	14	5	4	0	90	3	1	1	5	3	11	13	6	43
Greene Springs	2	2	5	25	4	8	22	4	12	84	2	1	0	0	0	21	9	4	37
Greensborough	5	0	1	13	9	1	2	13	0	44	0	0	0	1	1	6	6	4	18
Montgomery	0	1	0	1	3	0	1	6	0	12	3	0	0	0	1	25	18	8	55
Moulton	12	1	1	13	14	16	4	13	16	90	1	1	0	1	8	20	15	10	56
Selma	3	4	1	6	1	36	0	39	0	90	2	1	1	2	0	15	11	24	56
MISSISSIPPI—																			
Columbus	4	0	6	4	37	2	5	32	0	90	0	0	0	1	10	12	27	3	53
Natchez	21	11	0	9	19	22	1	7	0	90	0	0	0	0	0	14	9	1	24
Paulding	0	13	5	4	3	32	8	18	0	83	0	3	0	3	3	40	9	9	67
LOUISIANA—																			
Black River (a)	17	4	0	12	35	5	2	14	1	90	0	0	0	0	24	23	2	6	55
New Orleans	0	14	0	28	0	18	0	30	0	90									
TEXAS—																			
Austin, [Palm]	18	3	7	8	18	28	0	8	0	90	1	0	1	1	3	14	9	1	30
Austin, [Van Nostrand]	17	10	4	9	36	3	0	8	2	89	1	0	0	1	30	31	4	0	67
Larissa	23	2	3	2	42	6	5	5	0	88	16	7	8	1	2	1	3	3	41
New Braunfels	17	3	28	21	12	1	3	5	0	90									
Northern ties of counties	7	14	3	9	28	42	7	22	0	132									
Sisterdale	9	5	13	22	25	3	2	9	2	90	0	0	0	0	3	0	1	0	4
Union Hill	29	3	3	0	49	1	4	0	1	90	16	0	1	1	42	4	8	0	72
Washington	0	0	0	4	42	0	12	11	20	89	0	0	0	0	18	2	0	0	20
Webberville (a)	26	10	5	5	33	3	0	0	8	90	0	0	0	0	1	0	4	0	5
TENNESSEE—																			
Glenwood	4	11	5	15	24	7	3	16	5	90	1	3	0	3	9	17	28	20	81
La Grange	2	5	1	6	7	31	7	18	7	84	0	1	0	1	8	26	8	10	54
Memphis	3	2	3	17	20	11	13	20	1	90									
KENTUCKY—																			
Bardstown	9	8	3	4	11	27	16	12	0	90	4	1	2	3	4	16	31	9	70

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
KENTUCKY—Continued.																			
Danville	2	6	7	0	8	28	12	12	0	75	0	2	2	3	1	23	23	8	62
Louisville	8	13	4	4	23	15	12	10	0	89	0	4	1	0	1	21	14	9	50
Paris	1	1	7	1	5	26	24	19	0	84	1	3	5	0	2	12	15	12	50
Springdale	0	25	4	1	11	26	9	2	12	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Avon	5	16	1	8	9	8	24	19	0	90	3	1	0	5	0	9	28	20	66
Bellefontaine	0	11	2	12	0	25	17	16	0	83	0	4	0	10	0	38	13	9	74
Bowling Green	1	18	11	2	1	26	16	5	10	90	2	1	2	2	0	12	13	7	39
Cincinnati, [Harper]	13	1	11	3	11	12	32	4	0	90	0	0	0	0	0	2	1	0	3
Cincinnati, [Phillips]	2	6	2	1	7	12	20	19	21	90	0	4	0	1	0	13	25	16	59
Cleveland	11	19	5	6	9	11	20	5	2	89	0	0	0	6	1	1	15	1	18
College Hill	3	6	4	2	3	18	33	29	1	90	5	3	2	1	1	13	27	13	65
Hillsborough	0	9	1	23	2	23	13	18	0	89	0	0	0	0	0	0	0	2	2
Hiram	9	8	3	8	5	9	16	20	1	79	1	0	0	0	0	3	11	3	18
Hudson	1	10	10	7	4	7	13	13	0	65	----	----	----	----	----	----	----	----	----
Kelley's Island	3	28	7	5	4	16	9	17	1	90	0	1	0	0	0	2	2	0	5
Madison, [Atkins]	2	15	1	3	2	6	29	10	21	89	0	0	0	0	0	1	17	1	19
Madison, [King]	4	20	1	10	3	16	13	16	2	85	3	3	0	1	1	27	26	11	72
Montville	5	13	0	17	5	30	2	18	0	90	1	2	1	0	0	21	4	9	38
Mount Union	2	5	1	2	1	26	10	11	17	75	2	2	0	1	1	15	13	4	38
New Lisbon	0	1	1	13	8	37	9	21	0	90	2	0	1	10	5	29	5	16	68
Northwood	1	4	1	15	3	27	16	23	0	90	0	0	1	6	0	15	20	4	46
Portsmouth	0	3	1	2	0	56	14	10	0	86	----	----	----	----	----	----	----	----	----
Rockport	17	12	12	4	4	12	22	7	0	90	----	----	----	----	----	----	----	----	----
Savannah	3	10	0	13	1	30	24	9	0	90	1	4	0	5	0	34	20	14	78
Troy	3	1	5	0	0	0	71	1	9	90	0	0	2	0	0	0	72	0	74
Urbana	2	11	2	16	4	15	20	5	11	86	3	4	1	0	2	20	35	5	70
Welchfield	7	7	0	24	5	21	9	17	0	90	0	0	0	0	0	3	0	1	4
Westerville	9	7	1	0	13	21	30	8	1	90	7	4	1	0	7	20	29	5	73
MICHIGAN—																			
Battle Creek	7	5	12	11	7	9	23	14	2	90	0	2	3	0	0	23	31	11	70
Detroit	2	16	7	20	2	31	5	7	0	90	1	2	1	13	2	28	32	11	90
Grand Rapids	5	14	21	5	4	14	13	14	0	90	3	3	10	3	1	18	37	8	83
Marquette	2	10	21	8	2	5	22	20	0	90	----	----	----	----	----	----	----	----	----
Monroe, [Whelpley]	0	6	10	31	1	24	9	9	0	90	0	6	10	28	0	21	9	8	82
New Buffalo	----	----	----	----	----	----	----	----	----	----	1	1	8	1	1	12	28	15	67
Ottawa Point (*a*)	10	40	10	9	5	29	7	19	0	120	1	17	17	3	1	0	1	0	40
Port Huron	32	3	0	6	8	15	10	9	1	84	0	0	0	0	0	14	4	9	27
Thunder Bay Island	18	9	12	23	7	10	4	25	12	120	5	4	8	7	5	2	7	11	49
Ypsilanti	2	10	15	13	1	24	14	11	0	90	1	2	4	8	0	13	25	12	65
INDIANA—																			
Aurora	1	2	4	0	4	6	11	2	0	30	----	----	----	----	----	----	----	----	----
Cannelton	1	6	14	13	12	14	13	14	3	90	0	1	5	1	3	19	13	7	49
Logansport	1	14	6	8	0	23	14	24	0	90	3	6	5	3	0	15	25	23	80
Mishawaka	0	8	5	15	4	13	24	12	0	81	0	7	6	15	5	13	23	12	81
New Harmony	6	5	7	12	11	17	11	10	0	85	1	0	1	0	1	0	3	2	8
Richmond, [Austin]	3	9	5	2	11	9	11	2	0	52	4	4	1	1	3	5	20	3	41
Richmond, [Moore]	0	7	2	13	4	13	31	8	9	87	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Augusta	4	17	3	13	5	11	13	23	1	90	1	6	2	1	2	7	11	18	18
Aurora	6	25	4	10	9	1	24	7	0	90	3	3	3	0	1	12	25	4	51
Batavia, [Capon]	2	25	7	10	6	8	20	12	0	90	----	----	----	----	----	----	----	----	----
Batavia, [Mead]	2	38	1	9	0	10	15	15	0	90	4	15	1	4	0	22	16	18	80
Edgington	2	26	2	10	1	7	13	29	0	90	0	12	0	3	0	27	16	22	80
Elgin	3	23	7	12	6	5	18	14	2	90	1	2	0	0	0	2	6	0	11
Manchester	10	13	4	2	22	7	20	12	0	90	9	2	2	1	17	4	26	7	68
Marengo	0	8	25	15	5	33	2	2	0	90	0	0	2	0	0	1	1	0	4

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Ottawa	3	26	3	9	0	11	12	17	0	84	4	0	3	0	1	13	9	9	39
Pekin	7	2	19	3	12	3	16	3	0	65	2	1	4	2	2	11	23	0	45
Peoria	1	25	6	1	9	3	42	3	0	90	0	0	0	0	0	1	5	1	7
Riley	3	8	15	5	3	9	18	25	1	87	0	1	0	1	0	0	0	0	2
Sandwich	7	22	2	11	6	9	5	28	0	90	0	1	0	3	0	3	44	10	61
Upper Alton	4	13	1	3	3	25	5	36	0	90	3	13	1	3	3	25	5	38	91
West Salem	6	11	2	9	14	8	6	19	15	90	0	0	0	0	0	15	25	0	40
West Urbana	14	10	5	7	12	17	9	16	0	90	0	5	2	4	3	0	0	0	14
Wheaton	5	23	9	8	2	9	15	16	1	88	0	0	0	0	0	2	6	5	13
Winnebago	6	21	11	9	2	9	20	9	0	90	2	0	0	0	1	2	25	10	40
MISSOURI—																			
St. Louis, [Engelmann]	7	6	9	16	6	11	29	6	0	90	----	----	----	----	----	----	----	----	----
St. Louis, [Fendler]	13	8	16	32	15	24	8	64	11	191	3	8	5	11	5	40	28	54	154
WISCONSIN—																			
Appleton	11	21	6	11	9	23	4	5	0	90	5	10	3	3	5	14	5	9	54
Bay City	4	33	9	0	24	7	9	4	0	90	2	3	1	0	0	3	2	3	14
Beloit	11	14	14	10	3	5	29	4	0	90	----	----	----	----	----	----	----	----	----
Kenosha	4	9	21	8	6	8	21	3	3	83	----	----	----	----	----	----	----	----	----
Madison	0	4	1	19	3	28	5	25	2	87	----	----	----	----	----	----	----	----	----
Manitowoc	10	12	8	10	2	11	18	19	0	90	0	1	0	0	0	2	11	5	19
Milwaukee, [Pomeroy]	3	38	0	8	0	21	4	16	0	90	----	----	----	----	----	----	----	----	----
Milwaukee, [Winkler]	1	33	9	7	0	6	13	21	0	99	----	----	----	----	----	----	----	----	----
New Danemora	0	7	2	4	0	3	4	12	0	32	----	----	----	----	----	----	----	----	----
Platteville	7	10	14	14	0	7	16	22	0	90	3	7	10	8	0	10	19	15	72
Wausau	3	8	14	12	5	15	16	5	0	78	0	1	6	4	3	1	6	1	22
IOWA—																			
Bellevue	5	16	9	3	1	5	23	22	0	84	----	----	----	----	----	----	----	----	----
Border Plains	1	10	5	22	2	4	3	43	0	90	0	0	0	2	1	3	3	2	11
Burlington	3	14	1	13	1	13	0	34	0	79	1	5	1	2	0	6	11	11	37
Dubuque	21	6	6	7	3	4	7	26	10	90	7	3	2	5	1	1	8	29	56
Fairfield	3	14	0	16	0	8	1	30	17	89	----	----	----	----	----	----	----	----	----
Fort Madison	2	15	2	14	3	13	1	40	0	90	6	3	1	6	5	14	16	18	69
Franklin	5	19	10	6	1	6	7	27	9	90	----	----	----	----	----	----	----	----	----
Muscatine	0	7	17	11	2	20	22	11	0	90	0	0	0	0	0	16	14	1	31
Pleasant Plain	0	20	4	12	3	14	6	31	0	90	0	0	0	0	0	19	4	9	32
Poultney	5	10	12	6	0	1	26	2	3	65	0	0	1	0	0	0	13	3	17
Rossville	3	11	18	7	4	3	22	17	5	90	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Beaver Bay, [Clark]	10	31	9	0	2	9	13	4	12	90	8	13	3	0	0	5	9	4	42
Beaver Bay, [Wieland]	3	16	5	3	8	5	3	10	37	90	0	0	0	0	2	1	2	4	9
Burlington	8	13	25	4	11	5	8	8	0	82	16	15	6	5	4	3	13	13	75
Forest City	3	9	4	3	8	4	12	20	27	90	----	----	----	----	----	----	----	----	----
Hazlewood	1	6	5	14	13	3	14	34	0	90	2	4	0	0	0	0	1	3	10
Princeton	8	13	7	4	9	2	25	19	3	90	4	2	7	7	6	3	10	5	44
NEBRASKA—																			
Bellevue	45	10	8	5	9	1	6	3	0	87	15	8	2	3	2	2	6	9	47
Elkhorn	13	21	11	14	1	6	2	22	0	90	1	0	0	0	0	0	0	1	2
Omaha, [Rain]	12	18	9	8	4	4	4	28	3	90	0	0	0	0	0	9	3	1	13
KANSAS—																			
Burlingame	26	6	7	13	14	5	1	9	9	90	----	----	----	----	----	----	----	----	----
Lawrence	22	4	3	4	29	2	8	17	1	90	----	----	----	----	----	----	----	----	----
Leavenworth City	1	4	0	4	1	46	4	29	1	90	1	3	0	9	1	37	2	23	76
Manhattan	13	3	1	5	11	11	2	16	28	90	1	6	2	1	1	23	12	22	68
Neosho Falls	4	17	5	1	7	19	4	23	10	90	----	----	----	----	----	----	----	----	----
MEXICO—																			
Cordova	0	15	2	1	0	8	1	1	2	30	----	----	----	----	----	----	----	----	----
Minatitlan	1	22	1	5	18	15	4	1	23	90	5	6	3	5	2	5	1	3	30
CALIFORNIA—																			
Sacramento	16	7	3	11	31	9	9	4	0	90	0	0	2	2	0	6	7	1	18
San Francisco	9	0	0	0	0	12	36	4	29	90	7	1	0	1	1	6	32	8	56
WEST INDIES—																			
Nassau, Bahamas	2	6	2	10	1	2	0	2	1	26	----	----	----	----	----	----	----	----	----

No. 41.—WINDS—NUMBER OF OBSERVATIONS, APRIL, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WEST INDIES—Continued.																			
St. George's, Bermuda	10	4	6	2	3	34	31	25	0	120	---	---	--	---	---	---	---	---	---
Turk's Island	2	2	2	16	2	0	0	0	6	30	---	---	---	---	---	---	---	---	---
CENTRAL AMERICA—																			
Guatemala	2	34	0	1	0	43	0	5	34	119	---	---	---	---	---	---	---	---	---
SOUTH AMERICA—																			
Catharina Sophia, Surinam	3	31	13	16	3	0	0	0	0	66	0	33	22	4	0	0	0	0	59

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Red River Settlement	11	0	2	5	38	7	2	7	9	81	7	0	0	0	17	5	6	4	39
Rigolet	9	10	1	0	2	0	1	37	2	62	----	----	----	----	----	----	----	----	----
St. John's	9	5	0	8	4	13	15	39	0	93	11	4	0	7	2	8	19	28	79
St. Martin	1	17	0	37	3	31	0	4	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	13	9	2	31	25	6	2	1	4	93	----	----	----	----	----	----	----	----	----
Toronto	1	25	11	17	2	10	0	18	9	93	----	----	----	----	----	----	----	----	----
Windsor	16	3	0	2	13	14	10	3	19	80	0	0	0	0	0	0	1	0	1
Wolfville	0	0	8	1	8	25	18	5	0	65	0	0	1	0	7	17	9	5	39
MAINE—																			
Cornish	6	16	13	9	13	20	11	5	0	93	0	0	0	0	0	5	0	1	6
Cornishville	2	1	10	6	26	15	12	21	0	93	----	----	----	----	----	----	----	----	----
Dexter	6	5	5	16	12	13	3	28	5	93	0	1	0	0	0	0	1	7	9
Gardiner	0	19	9	25	3	22	2	10	3	93	2	3	0	2	3	13	4	4	31
Lisbon	4	11	9	8	41	7	0	13	0	93	0	5	4	9	10	3	16	6	53
Newcastle	1	5	2	47	11	13	3	8	0	90	----	----	----	----	----	----	----	----	----
North Belgrade	4	10	9	14	13	1	3	6	0	60	----	----	----	----	----	----	----	----	----
Norway	5	7	1	26	17	25	1	11	0	93	----	----	----	----	----	----	----	----	----
Perry	1	19	0	14	14	25	7	13	0	93	2	3	0	2	3	9	3	5	27
Portland	0	8	40	6	3	2	0	4	0	63	----	----	----	----	----	----	----	----	----
Portland	4	12	13	11	22	16	4	8	0	90	0	3	0	3	2	3	7	4	22
Steuben	2	16	2	12	2	43	1	13	2	93	2	7	1	1	1	8	4	7	31
Topsham	1	7	5	16	8	8	3	10	0	58	----	----	----	----	----	----	----	----	----
NEW HAMPSHIRE—																			
Shelburne	0	0	32	0	0	0	38	0	14	84	0	0	2	9	1	4	35	8	59
Stratford	2	15	19	1	13	20	11	4	8	93	0	0	0	0	1	4	18	1	24
Stratham	4	21	11	11	6	13	3	9	0	78	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	4	0	1	24	31	8	5	17	3	93	3	0	0	4	4	13	2	10	36
Burlington	14	3	0	3	10	24	1	8	0	63	----	----	----	----	----	----	----	----	----
Craftsbury	4	11	0	9	36	15	8	6	4	93	0	4	0	0	7	17	15	5	48
Lunenburg	0	1	3	8	7	0	12	31	0	62	----	----	----	----	----	----	----	----	----
Rupert	----	----	----	----	----	----	----	----	----	----	2	3	1	8	3	28	0	1	46
St. Johnsbury	7	1	0	4	45	2	22	12	0	93	0	0	0	0	5	5	14	2	26
MASSACHUSETTS—																			
Amherst	5	10	2	21	18	14	3	16	0	89	0	2	5	3	6	3	8	0	27
Bridgewater	0	27	4	4	3	20	1	0	4	63	1	11	0	3	1	6	0	3	25
Cambridge	4	24	10	9	6	15	4	5	14	91	----	----	----	----	----	----	----	----	----
Florida	0	10	2	17	0	13	30	21	0	93	0	12	0	15	1	11	5	19	63
Lawrence	0	27	2	14	0	30	1	19	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	38	2	0	6	45	0	2	0	93	0	23	0	0	8	32	7	1	71
Nantucket	1	27	5	9	7	30	6	6	2	93	----	----	----	----	----	----	----	----	----
New Bedford	2	28	0	10	3	41	0	5	1	90	0	7	0	7	3	4	4	3	28
Richmond	0	31	0	2	3	32	1	21	0	93	1	21	0	9	0	8	0	3	42
South Groton	0	27	5	16	3	31	0	11	0	93	----	----	----	----	----	----	----	----	----
Springfield	18	3	11	1	25	0	9	2	0	69	----	----	----	----	----	----	----	----	----
Westfield	1	25	4	21	12	5	6	16	0	93	0	0	0	0	0	2	0	0	2
Williamstown	3	8	14	12	6	11	13	6	0	73	0	0	2	0	0	4	0	0	6
Worcester	0	27	5	20	5	20	0	14	0	91	0	0	0	1	0	9	0	3	13
RHODE ISLAND—																			
Providence	2	26	3	11	16	13	4	10	1	86	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	3	19	5	1	8	10	2	19	26	93	1	15	3	3	6	6	0	8	42
Middletown	9	11	1	5	18	17	1	6	25	93	0	0	0	0	0	7	10	0	17
Pomfret	2	31	0	8	21	13	0	15	0	93	0	18	0	5	9	2	5	6	45
Saybrook	1	16	15	19	6	12	5	6	6	86	0	7	0	0	1	4	10	1	23
Wallingford	9	11	1	13	27	17	3	9	0	93	0	5	1	0	2	5	13	0	26
NEW YORK—																			
Baldwinsville	3	2	11	8	14	9	21	25	0	93	0	2	3	3	3	8	26	13	58
Bellport	2	9	11	22	9	30	6	4	0	93	0	2	2	8	2	8	2	1	25
Beverly	5	16	0	16	3	30	1	16	0	87	3	14	1	9	4	13	2	4	50
Buffalo	7	14	1	2	7	22	4	9	0	67	----	----	----	----	----	----	----	----	----
Cazenovia	3	2	3	12	21	11	6	26	1	88	2	1	3	7	8	15	11	13	60

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Clyde	17	1	0	0	21	1	1	3	0	47	----	----	----	----	----	----	----	----	----
Ilion	0	9	13	12	2	25	10	7	0	78	----	----	----	----	----	----	----	----	----
Morrisania	4	17	26	15	6	12	7	5	1	93	2	8	3	2	1	2	5	3	26
Nichols	9	0	8	32	15	2	6	21	0	93	15	0	1	9	13	4	5	16	63
Oswego	2	21	3	18	20	7	14	2	6	93	----	----	----	----	----	----	----	----	----
Penn Yan	8	0	0	0	23	29	26	7	0	93	----	----	----	----	----	----	----	----	----
Rochester, [Dewey]	0	3	8	5	4	17	19	6	0	62	1	0	3	4	2	4	25	2	41
Rochester, [Mathews]	2	18	6	7	13	11	9	10	13	92	0	3	0	0	2	6	20	2	33
Saratoga	1	17	3	6	5	33	3	0	0	68	0	0	0	0	0	0	0	1	1
Wampsville	0	1	15	11	17	8	37	4	0	93	0	0	9	7	11	4	24	2	57
Wilson	1	18	14	8	4	22	11	5	0	83	1	0	1	0	1	7	3	2	15
NEW JERSEY—																			
Cinnaminson	9	17	16	1	3	15	6	1	0	71	----	----	----	----	----	----	----	----	----
Lambertville	3	25	1	24	13	18	2	0	0	86	----	----	----	----	----	----	----	----	----
Moorestown	6	7	9	7	16	11	3	2	0	61	1	0	0	0	0	0	6	0	7
Newark	2	21	3	18	0	15	1	3	0	63	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	6	0	0	4	6	12	7	3	0	38	1	0	3	1	1	2	15	9	32
Bellefonte	1	9	5	1	25	28	24	0	0	93	2	6	1	0	10	2	61	1	83
Bendersville	3	11	8	4	4	7	8	6	0	51	----	----	----	----	----	----	----	----	----
Berwick	2	1	34	3	7	4	20	4	0	75	----	----	----	----	----	----	----	----	----
Cannonsburg	0	4	40	6	0	14	17	9	3	93	0	0	0	0	0	0	2	0	2
Carlisle	0	16	4	23	1	14	0	4	30	92	0	13	2	10	0	9	1	3	38
Chambersburg	4	12	9	25	3	13	5	2	20	93	3	6	7	1	7	9	15	6	54
Easton	10	14	0	38	6	4	0	17	2	91	----	----	----	----	----	----	----	----	----
East Smithfield	7	9	4	14	10	10	18	16	1	92	----	----	----	----	----	----	----	----	----
Fleming	0	1	13	27	1	12	16	23	0	93	0	0	7	6	2	8	15	13	51
Gettysburg	4	2	3	6	10	6	4	0	57	92	5	7	3	1	10	7	17	2	52
Harrisburg, [Heisely]	5	1	14	14	33	0	17	5	4	93	0	0	0	5	9	10	3	0	27
Harrisburg, [Hickok]	6	10	24	9	8	11	23	2	0	93	0	0	1	0	0	0	5	0	6
Lewisburg	3	13	5	5	16	16	8	8	0	74	0	1	0	1	2	2	7	1	14
Morrisville	1	14	11	23	12	22	3	1	6	93	0	9	5	12	1	11	6	7	51
Morrisville	4	14	8	2	15	4	0	15	0	62	----	----	----	----	----	----	----	----	----
Mount Joy	3	2	2	7	10	11	6	14	2	57	1	1	1	9	4	5	5	5	31
Norristown	2	10	25	10	2	9	19	1	0	78	0	5	20	1	1	5	20	0	52
North Whitehall	2	14	9	1	4	4	4	1	54	93	2	9	5	1	0	0	8	0	25
Philadelphia	4	23	8	11	3	35	2	7	0	93	1	6	1	0	1	4	2	3	18
Pittsburg	4	2	14	17	12	9	12	13	10	93	2	1	3	3	4	18	9	2	42
Pocopson	1	15	11	7	14	19	12	1	12	92	1	1	1	0	1	6	6	1	17
Shamokin	2	1	33	5	13	3	36	0	0	93	0	0	2	3	0	1	53	0	59
Somerset	4	2	7	21	1	6	11	3	38	93	1	2	5	7	0	9	33	4	61
West Haverford	0	9	7	11	1	10	8	10	6	62	2	1	1	0	1	2	12	12	31
MARYLAND—																			
Annapolis	1	32	5	12	26	6	0	5	6	93	0	1	0	0	0	12	0	1	14
Baltimore	12	11	7	16	15	1	4	1	0	67	----	----	----	----	----	----	----	----	----
Bladensburg	1	12	12	4	3	8	1	4	0	45	----	----	----	----	----	----	----	----	----
Chestertown	0	15	2	34	1	30	1	9	0	92	0	3	2	4	0	7	0	2	18
Frederick	5	31	1	6	11	12	10	1	16	93	2	2	0	3	3	2	23	1	36
Leitersburg	3	8	6	7	17	26	13	4	9	93	2	8	5	4	0	11	21	8	59
Leonardtown	11	11	13	27	1	17	5	1	1	87	0	4	0	0	0	1	5	5	15
Sykesville	16	17	3	7	27	20	3	0	0	93	6	12	3	4	6	5	25	0	61
DISTRICT OF COLUMBIA—																			
Washington	5	19	8	8	27	5	2	3	16	93	0	0	0	0	0	0	1	0	1
VIRGINIA—																			
Crichton's Store	24	12	3	1	15	26	3	5	4	93	0	0	0	0	0	10	0	0	10
Cross Creek	----	----	----	----	----	----	----	----	----	----	2	0	2	0	11	13	20	1	49
Kanawha	11	0	1	2	35	0	2	5	10	66	0	1	0	0	2	8	11	4	26
Lewinsville	4	26	4	34	4	6	4	11	0	93	----	----	----	----	----	----	----	----	----
Lewisburg	0	1	34	13	18	10	11	5	0	92	----	----	----	----	----	----	----	----	----
Montross	0	12	19	6	9	6	9	1	31	93	1	2	0	2	5	3	3	0	19
Mont View	5	3	2	9	20	11	43	0	0	93	4	2	2	4	9	3	12	1	37
Mustapha	9	0	0	0	25	17	2	8	0	61	----	----	----	----	----	----	----	----	----

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Point Pleasant	0	0	58	0	4	0	31	0	0	93	0	0	24	0	0	0	8	0	32
Poplar Grove	0	1	19	0	0	0	27	15	31	93	4	2	2	3	0	13	13	6	43
Portsmouth	2	36	12	13	1	21	4	4	0	93	----	----	----	----	----	----	----	----	----
Rougemont	19	15	7	4	16	10	11	1	4	87	6	6	0	1	0	0	15	1	29
Smithfield	11	23	7	13	21	10	2	6	0	93	7	4	2	2	4	11	8	3	41
Winchester	1	4	5	2	1	2	11	0	67	93	0	0	3	0	0	0	2	0	5
NORTH CAROLINA—																			
Chapel Hill	20	20	3	2	5	13	24	3	0	90	9	5	1	1	4	13	7	2	42
Davidson College	0	42	1	1	0	25	4	0	0	73	0	7	1	1	1	16	3	2	31
Murfreesborough	1	12	2	8	1	15	3	3	11	59	3	5	0	0	3	13	3	5	32
Raleigh	9	21	9	6	11	11	8	6	0	81	----	----	----	----	----	----	----	----	----
SOUTH CAROLINA—																			
Aiken	4	22	11	1	10	13	1	3	0	65	----	----	----	----	----	----	----	----	----
All Saints	14	14	13	9	21	18	2	1	0	92	3	7	0	0	0	23	14	1	48
Charleston	2	14	4	4	2	5	0	0	0	31	----	----	----	----	----	----	----	----	----
Columbia, [Barton]	6	9	17	23	11	0	10	8	9	93	3	0	4	3	4	1	27	1	43
Columbia, [White]	10	11	5	6	9	9	5	7	24	86	0	0	0	3	0	0	0	1	4
St. John's	1	15	4	29	2	17	4	13	0	85	2	10	2	0	1	9	8	8	40
GEORGIA—																			
Athens	5	26	4	4	1	1	7	20	15	83	0	3	1	2	0	1	6	1	14
Atlanta	2	5	25	14	9	6	22	10	0	93	----	----	----	----	----	----	----	----	----
Augusta	13	21	1	25	3	11	4	14	0	92	5	5	0	6	1	20	1	7	45
Clarksville	4	1	0	4	1	9	23	12	0	54	----	----	----	----	----	----	----	----	----
Covington	0	14	9	7	5	13	8	12	0	68	----	----	----	----	----	----	----	----	----
Savannah	5	32	10	15	10	15	1	4	0	92	0	0	0	1	0	0	1	1	3
Sparta	9	25	10	20	8	12	2	5	0	91	2	7	3	5	2	11	10	12	50
Thomaston	15	16	14	16	2	11	8	11	0	93	1	0	0	1	1	0	0	0	3
Thomson	2	8	3	6	3	13	5	6	0	46	----	----	----	----	----	----	----	----	----
Whitemarsh Island	5	28	5	13	10	8	9	2	13	93	3	11	2	5	2	4	10	5	42
FLORIDA—																			
Alligator	0	17	19	7	2	15	3	3	27	93	3	15	1	3	0	11	5	1	39
Atsena	6	31	15	2	1	9	28	1	0	93	5	11	3	0	6	13	2	5	45
Belair	4	20	29	9	3	2	2	2	5	76	0	1	4	7	2	20	15	6	55
Gainesville	0	46	1	8	2	15	0	17	0	89	0	11	2	2	0	7	0	2	24
Jacksonville	1	56	0	7	1	23	0	4	1	93	1	24	0	1	1	16	1	1	45
Micanopy	2	27	11	22	1	2	6	6	7	84	0	3	3	0	0	0	1	1	8
St. Augustine	0	67	3	7	0	0	1	15	0	93	0	47	2	3	0	0	0	14	66
Salt Ponds	12	19	11	9	2	2	2	3	2	62	----	----	----	----	----	----	----	----	----
Seville	0	13	3	1	2	2	2	1	3	27	----	----	----	----	----	----	----	----	----
ALABAMA—																			
Carlowville	3	3	18	6	8	9	42	4	0	93	3	0	5	0	0	0	6	0	14
Greene Springs	0	2	13	30	2	7	5	2	23	84	1	2	3	8	3	5	15	6	43
Greensborough	13	3	3	42	1	12	5	13	0	92	1	0	0	5	4	11	21	2	44
Montgomery	3	6	9	5	0	3	4	10	21	61	7	5	2	0	0	5	11	4	34
Moulton	6	5	3	38	1	5	1	14	19	92	2	3	2	12	4	22	4	9	58
Selma	5	14	4	19	0	22	1	7	0	93	10	7	2	3	5	7	6	22	62
Uniontown	0	0	0	3	4	5	7	5	16	40	----	----	----	----	----	----	----	----	----
MISSISSIPPI—																			
Columbus	12	1	10	19	22	6	8	12	0	93	1	2	2	11	18	6	13	4	57
Natchez	14	4	6	23	16	21	5	4	0	93	1	2	0	2	1	17	5	8	36
Paulding	8	4	11	24	4	15	10	10	0	89	3	1	4	16	6	19	14	7	70
LOUISIANA—																			
Black River (a)	13	6	7	35	20	8	1	2	1	93	5	0	4	6	21	12	7	3	58
New Orleans	0	34	0	17	0	39	0	3	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm]	1	4	8	26	29	30	3	1	0	93	3	2	2	8	13	19	3	2	52
Austin, [Van Nostrand]	4	7	4	11	57	2	2	2	4	93	1	3	1	9	33	11	4	2	64
Kaufman	1	0	6	16	42	2	4	2	0	76	----	----	----	----	----	----	----	----	----
Larissa	8	2	8	11	57	3	1	1	0	91	19	6	4	0	14	1	2	1	47

(a) It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
New Braunfels	5	1	20	39	18	3	3	1	0	90	1	0	8	5	16	0	1	1	32
Northern tier of counties	13	7	12	25	65	8	3	0	1	134									
Sisterdale	2	3	5	44	26	5	1	7	0	93	0	0	0	0	1	0	0	0	1
Union Hill	11	2	11	9	56	1	0	1	2	93	4	3	0	4	48	0	7	1	67
Washington	7	0	0	1	43	0	0	1	3	55	0	0	0	0	7	0	0	0	7
Webberville	7	7	2	7	55	2	0	1	7	88	11	0	0	0	0	0	8	0	24
ARKANSAS—																			
Washington	21	0	0	0	17	11	0	2	0	51									
TENNESSEE—																			
Glenwood	7	8	10	28	19	5	3	7	15	93	3	7	1	4	7	9	40	9	80
La Grange	1	10	8	29	5	15	1	3	13	85	1	1	5	13	4	5	10	3	42
Pomona	20	1	2	1	0	11	28	3	0	66									
Winchester	0	2	3	2	24	3	5	13	0	52									
KENTUCKY—																			
Bardstown	0	19	2	5	36	18	6	5	0	91	3	4	1	4	7	24	19	2	64
Danville	7	14	3	3	19	33	3	9	0	91	1	3	0	0	3	29	10	5	51
Louisville	4	13	1	24	26	18	3	4	0	93	1	2	0	0	4	24	21	2	54
Millersburg	3	2	6	8	6	5	10	4	49	93	0	3	3	2	1	2	37	5	53
Paducah	3	0	2	0	7	3	0	6	0	21									
Paris	5	15	2	11	5	38	3	6	0	85	3	0	0	1	6	7	26	1	44
Springdale	1	13	9	13	6	15	0	0	36	93									
OHIO—																			
Avon	4	33	6	10	13	9	8	7	0	90	1	3	0	0	0	3	27	24	58
Bellefontaine	0	21	5	17	2	23	10	6	0	84	0	7	0	5	0	39	12	8	71
Bowling Green	1	36	0	4	4	15	4	5	22	91	1	7	1	0	1	13	15	2	40
Cincinnati, [Harper]	16	5	8	0	25	9	23	7	0	93									
Cincinnati, [Phillips]	0	8	5	0	9	15	6	12	10	65	0	3	0	0	1	20	7	17	48
Cleveland	15	17	1	11	10	0	1	2	3	69	0	0	0	1	0	3	7	2	13
College Hill	3	12	3	16	9	22	22	6	0	93	3	4	0	4	0	12	20	2	45
College Hill, [Hammitt]	12	3	0	3	13	12	43	7	0	93									
Dallasburg	15	5	1	1	6	6	23	35	0	92									
Freedom	20	2	6	0	7	13	25	8	12	93	3	3	6	3	2	6	22	27	72
Hillsborough	0	26	0	20	7	29	1	9	0	92	0	1	0	2	0	5	0	1	9
Hillsborough	11	14	4	4	10	5	11	0	0	59									
Hockingport	1	2	0	0	0	6	22	3	5	39									
Hudson	12	10	12	14	16	15	8	4	0	91									
Jackson	8	1	2	0	18	0	1	0	41	71									
Kelley's Island	5	41	5	6	6	14	4	5	7	93	0	0	0	0	0	0	1	0	1
Madison	7	10	7	6	21	9	4	1	4	69									
Madison, [Atkins]	11	7	1	4	13	5	11	18	23	93	0	1	0	0	0	4	2	2	9
Madison, [King]	13	19	0	7	10	14	11	6	11	91	2	1	0	2	3	23	12	7	50
Montville	10	6	1	21	11	28	2	14	0	93	0	0	0	0	1	36	2	2	41
Mount Union	3	4	1	2	0	26	12	10	21	79	1	0	1	1	0	3	18	3	27
Mount Victory	6	3	5	10	4	24	21	13	0	86									
Newark	23	11	0	3	31	19	1	2	1	91									
New Lisbon	5	3	8	4	13	32	11	17	0	93	1	1	2	0	4	18	19	11	56
Northwood	1	1	1	10	7	18	3	6	0	47	0	0	1	0	1	12	4	4	22
Portsmouth	0	37	0	5	0	25	0	1	1	69	0	0	0	1	0	39	1	0	44
Rockport	10	20	14	2	4	11	18	14	0	93									
Savannah	5	2	3	11	2	44	9	14	0	93	4	0	4	2	1	35	7	8	61
Sharonville	2	4	3	0	21	12	15	0	0	57									
Troy	0	1	4	1	0	2	77	1	6	92	0	0	0	2	0	0	42	0	44
Urbana	2	6	2	16	12	7	11	6	51	93	2	3	0	3	5	15	36	4	68
Welchfield	15	5	1	25	17	19	2	9	0	93	0	0	0	0	0	2	0	0	2
Westerville	12	2	0	0	34	22	13	8	1	92	7	1	0	0	11	19	9	9	56
MICHIGAN—																			
Battle Creek	2	6	14	15	14	14	9	6	13	93	1	3	4	1	0	9	43	3	64
Detroit	2	2	6	19	1	35	26	2	0	93	0	5	9	14	4	22	33	6	93
Grand Rapids	3	9	15	7	15	26	13	5	0	93	2	1	9	0	1	12	55	5	85
Lake George	4	1	3	8	1	6	5	5	14	47									
Lansing	4	9	7	7	4	18	5	6	0	60									
Marquette	1	7	17	16	7	5	12	27	0	92									

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Monroe	0	7	0	27	0	29	0	1	0	64	0	6	0	24	0	28	0	2	60
New Buffalo	----	----	----	----	----	----	----	----	----	----	0	0	8	3	4	22	20	16	73
Ottawa Point (a)	4	37	7	9	21	12	4	10	0	124	3	31	7	4	1	3	0	0	49
Port Huron	37	5	0	7	17	12	1	5	0	84	0	0	0	0	0	0	1	0	1
Thunder Bay Island	23	15	12	41	14	4	1	4	10	124	5	1	2	4	4	3	2	4	25
Ypsilanti	2	15	12	18	9	23	5	6	0	90	0	9	5	2	6	17	20	2	61
INDIANA																			
Aurora	3	2	1	1	8	8	2	0	2	27	----	----	----	----	----	----	----	----	----
Cannelton	2	1	10	21	20	13	22	4	0	93	1	1	4	5	8	13	15	5	52
Greencastle	12	4	7	6	21	10	8	3	0	71	----	----	----	----	----	----	----	----	----
Logansport	2	13	15	10	0	23	17	13	0	93	1	21	23	10	5	6	12	4	85
Mishawaka	1	4	11	21	15	16	24	1	0	93	0	2	9	21	16	15	23	1	87
New Harmony	4	0	3	18	26	17	3	16	0	87	0	0	0	0	0	0	1	0	1
Notre Dame	0	2	6	13	0	16	29	4	12	82	0	1	2	4	1	11	14	2	35
Richmond, [Austin]	0	17	2	3	17	9	4	7	1	60	1	5	1	0	8	6	20	6	47
Richmond, [Haines]	3	3	23	19	10	17	17	1	0	93	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	0	9	3	8	9	12	11	2	39	93	----	----	----	----	----	----	----	----	----
South Bend	0	1	5	4	5	11	21	0	0	50	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Augusta	1	16	7	18	17	15	6	6	4	93	1	3	2	9	6	14	11	4	50
Aurora	1	29	2	15	17	13	7	9	0	93	0	7	0	2	8	39	13	4	73
Batavia, [Capon]	6	20	5	16	21	10	13	2	0	93	----	----	----	----	----	----	----	----	----
Batavia, [Mead]	0	35	1	13	0	36	2	6	0	93	0	10	0	8	0	47	4	9	78
Bethel	0	7	9	7	9	41	14	3	0	90	----	----	----	----	----	----	----	----	----
Carbon Cliff	4	11	22	5	25	8	16	2	0	93	----	----	----	----	----	----	----	----	----
Dixon	7	10	1	3	3	16	11	15	0	66	----	----	----	----	----	----	----	----	----
Edgington	7	15	2	15	8	28	2	16	0	93	6	1	2	8	14	30	7	15	83
Elgin	0	22	10	11	21	8	5	9	7	93	0	0	0	0	0	4	9	2	15
Manchester	5	12	1	7	49	7	7	5	0	93	3	7	2	4	28	6	11	5	66
Marengo	0	6	21	26	8	30	1	1	0	93	0	1	2	1	4	6	4	0	18
Napierville	2	14	3	9	3	17	2	3	0	53	----	----	----	----	----	----	----	----	----
Ottawa	2	26	0	22	2	23	3	11	1	90	1	1	0	3	6	14	7	4	36
Pekin	5	11	9	14	22	7	3	10	3	84	0	1	0	4	13	11	18	6	53
Peoria	9	15	6	8	23	8	21	0	0	93	0	0	0	1	3	2	5	1	12
Riley	4	12	10	12	9	9	21	10	6	93	0	0	0	0	0	2	0	0	2
Sandwich	1	22	6	27	11	12	8	6	0	93	0	0	0	0	0	0	66	0	66
Tishkilwa	2	9	3	9	4	13	1	13	0	54	----	----	----	----	----	----	----	----	----
Upper Alton	1	8	0	7	2	36	6	31	2	93	1	10	0	7	2	35	7	30	92
West Salem	7	6	6	24	19	6	2	8	15	93	0	0	0	0	3	24	32	0	59
West Urbana	9	12	3	26	11	25	1	6	0	93	2	0	0	0	0	12	2	7	23
Wheaton	2	27	10	4	17	16	5	11	1	93	0	0	0	0	5	7	4	4	20
Winnebago	5	19	5	20	20	11	7	6	0	93	0	0	0	0	2	0	35	4	41
MISSOURI—																			
Boonville	2	12	8	5	0	24	1	8	0	60	----	----	----	----	----	----	----	----	----
Farmington	4	0	0	0	19	10	12	12	0	57	----	----	----	----	----	----	----	----	----
Lexington	6	0	4	0	13	7	4	2	0	36	----	----	----	----	----	----	----	----	----
Richmond	6	16	3	22	12	14	3	10	2	88	----	----	----	----	----	----	----	----	----
St Louis	13	2	20	20	18	4	10	6	0	93	----	----	----	----	----	----	----	----	----
St. Louis, [Fendler]	5	10	5	45	29	8	7	28	17	154	1	4	1	8	14	41	28	14	117
WISCONSIN—																			
Appleton	4	30	5	3	24	19	1	5	0	91	0	2	0	0	1	8	2	0	13
Bay City	0	49	4	1	8	24	3	4	0	93	5	2	1	0	0	16	1	1	26
Beloit	7	8	11	19	23	7	18	0	0	93	0	0	0	1	0	1	1	0	3
Delafield	6	12	9	5	12	8	8	0	1	61	0	0	0	2	3	7	13	0	25
Green Bay	31	1	3	0	19	4	4	5	23	93	10	0	0	0	16	3	0	2	31
Kenosha	3	15	28	7	19	4	7	3	5	91	----	----	----	----	----	----	----	----	----
Madison	1	2	2	20	4	32	4	27	1	93	0	1	0	0	1	3	0	0	5
Manitowoc	13	14	6	21	21	4	6	8	0	93	0	1	0	1	3	10	12	4	31
Milwaukee, [Larkin]	3	33	1	17	7	14	8	8	0	91	0	8	0	6	0	28	14	7	63

a It is uncertain whether in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 42.—WINDS—NUMBER OF OBSERVATIONS, MAY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
WISCONSIN—Continued.																			
Milwaukee, [Pomeroy]	5	40	3	11	0	20	2	9	0	93									
Milwaukee, [Winkler]	0	37	11	10	3	15	5	9	0	93									
New Danemora	0	8	5	9	3	17	13	5	3	63	0	0	0	0	0	1	3	0	4
Platteville	8	6	10	28	10	7	4	20	0	93	7	5	5	20	8	9	4	20	78
Wausau	4	1	6	15	11	15	29	5	7	93	2	3	4	4	2	9	16	1	38
IOWA—																			
Bellevue	9	8	12	18	17	14	6	7	0	91									
Border Plains	4	2	2	46	9	5	2	21	2	93	0	0	0	3	4	12	4	2	25
Burlington	0	8	2	48	4	18	1	12	0	93	0	3	0	3	0	28	7	10	51
Dubuque	1	11	1	14	9	29	3	14	9	91	2	8	0	7	6	19	15	17	74
Fairfield	3	6	1	31	0	27	1	13	11	93	0	2	0	0	0	0	0	1	3
Fort Madison	1	18	0	24	2	33	1	14	0	93	2	5	1	10	8	20	15	3	64
Muscatine	6	11	19	8	21	12	12	4	0	93	0	1	0	2	0	10	9	4	26
Pleasant Plain	0	14	0	23	16	14	2	21	3	93	0	0	0	1	1	19	18	7	46
Poultney	1	3	7	13	5	5	8	9	10	61	0	0	0	2	1	2	7	3	15
Rossville	4	7	14	13	18	6	14	12	3	91									
MINNESOTA—																			
Beaver Bay	7	38	9	0	5	14	1	2	17	93	6	6	6	4	2	11	19	7	61
Beaver River	5	31	12	8	13	6	9	9	0	93	1	2	3	0	3	5	7	2	23
Burlington	7	30	18	3	15	0	4	9	7	93	4	22	19	2	7	1	9	6	70
Chatfield	3	3	5	11	23	11	21	1	15	93	1	1	0	5	15	11	20	0	53
Forest City	6	11	11	13	13	5	11	6	17	93									
Hazlewood	1	4	8	23	12	8	4	31	0	91	1	2	9	8	5	6	5	5	41
Princeton	10	16	11	8	9	7	20	9	3	93	6	5	3	2	6	8	22	9	61
NEBRASKA—																			
Bellevue	24	12	2	6	33	6	6	1	0	90	5	3	2	5	14	4	10	3	46
Brownville	2	15	6	23	1	26	2	18	0	93	1	13	6	19	2	9	1	10	61
Elkhorn	5	10	6	20	21	10	10	11	0	93	0	0	0	0	0	0	2	0	2
Nebraska City	10	3	5	16	19	12	6	9	13	93									
Omaha	6	3	6	10	33	10	6	19	0	93	0	0	0	0	1	2	3	4	10
KANSAS—																			
Burlingame	24	7	8	26	10	7	4	3	4	93									
Lawrence	23	0	3	1	56	3	2	5	0	93									
Leavenw'h C'y, [Berthoud]	0	2	0	5	1	23	0	0	0	31	0	0	0	10	0	18	0	0	28
Manhattan	5	11	3	4	13	15	2	6	34	93	7	12	1	3	9	26	4	8	70
Manhattan, [Preston]	4	5	1	10	7	15	1	8	0	51									
Moneka (*a*)	2	8	0	5	6	21	1	7	8	61	6	2	2	0	6	6	8	7	37
Neosho Falls	2	17	10	17	8	12	0	6	21	93									
MEXICO—																			
Cordova	0	9	1	3	0	5	3	6	4	31									
Minatitlan	0	37	0	3	6	31	0	0	16	93	3	23	2	3	1	4	0	0	36
CALIFORNIA—																			
Sacramento	18	4	2	12	28	11	7	11	0	93	0	0	0	7	0	10	2	1	20
San Francisco	8	1	0	0	8	5	36	4	31	93	3	4	2	1	9	9	22	3	53
Union Ranche	2	1	0	10	21	4	0	39	4	84	0	3	0	8	10	8	3	11	43
WEST INDIES—																			
Nassau, Bahamas	0	6	7	2	0	3	0	3	5	26									
St. George's, Bermuda	5	13	25	36	26	13	5	1	0	124									
Turk's Island, Bahamas	0	1	15	7	1	1	3	0	3	31									
CENTRAL AMERICA—																			
Guatemala	4	53	1	3	0	36	0	2	25	124									
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	2	32	7	23	6	6	3	7	0	86	0	36	17	11	0	6	0	5	75

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Red River Settlement	19	1	2	3	27	7	9	2	19	89	9	3	2	1	12	0	7	4	38
Rigolet	4	28	0	0	1	0	1	23	3	60	----	----	----	----	----	----	----	----	----
St. John's	2	4	2	13	1	24	11	33	0	90	1	0	0	2	0	3	2	20	28
St. Martin	0	9	0	8	5	52	4	12	0	90	----	----	----	----	----	----	----	----	----
Stanbridge	4	4	6	32	26	1	5	6	6	90	----	----	----	----	----	----	----	----	----
Toronto	4	11	4	15	5	21	1	28	1	90	----	----	----	----	----	----	----	----	----
Windsor	2	0	0	0	19	32	9	4	14	80	----	----	----	----	----	----	----	----	----
Wolfville	0	0	0	0	3	28	12	3	0	46	0	0	0	0	1	14	14	2	31
MAINE—																			
Cornish	5	6	4	4	17	25	19	9	0	89	1	0	0	0	0	2	5	5	13
Cornishville	6	6	0	4	14	15	21	24	0	90	----	----	----	----	----	----	----	----	----
Dexter	3	10	5	3	10	29	4	26	0	90	0	0	0	0	0	1	1	3	5
Freedom	3	5	1	5	11	33	24	8	0	90	----	----	----	----	----	----	----	----	----
Gardiner	2	10	6	22	9	15	2	18	5	89	4	4	0	5	1	21	8	8	51
Hartland	0	5	2	6	21	31	22	3	0	90	----	----	----	----	----	----	----	----	----
Lisbon	6	3	2	2	33	8	12	24	0	90	6	3	1	4	19	6	11	15	65
New Castle	1	7	1	21	19	20	6	15	0	90	----	----	----	----	----	----	----	----	----
North Belgrade	10	7	9	12	28	4	2	18	0	90	----	----	----	----	----	----	----	----	----
Norway	0	2	0	11	11	32	3	31	0	90	----	----	----	----	----	----	----	----	----
Perry	3	4	2	8	21	37	0	15	0	90	3	2	0	1	6	14	0	6	32
Portland	9	4	5	15	21	12	14	9	0	89	2	1	2	1	5	5	19	7	42
Portland, [Adams]	12	4	23	8	10	19	7	5	2	90	----	----	----	----	----	----	----	----	----
Steuben	1	19	0	1	2	47	4	16	0	90	0	9	0	0	0	19	9	7	44
Topsham	2	3	0	3	17	23	15	27	0	90	----	----	----	----	----	----	----	----	----
Warren	4	4	4	7	4	38	6	23	0	90	----	----	----	----	----	----	----	----	----
NEW HAMPSHIRE—																			
Mount Washington	1	0	2	3	7	17	18	41	0	89	0	11	8	4	0	0	0	1	24
Shelburne	0	0	23	0	0	0	34	0	20	77	0	1	0	7	0	8	30	11	57
Stratford	2	9	19	3	12	20	11	8	6	90	0	0	0	0	0	10	20	9	39
Stratham	1	8	1	8	1	16	30	25	0	90	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	15	0	0	15	34	4	7	8	7	90	10	0	0	3	2	20	11	16	62
Burlington	14	2	0	2	20	33	3	15	0	89	----	----	----	----	----	----	----	----	----
Craftsbury	5	4	2	4	33	13	9	16	4	90	4	1	0	1	11	15	25	12	69
Lunenburg	0	0	3	0	16	6	15	20	0	60	----	----	----	----	----	----	----	----	----
Rupert	----	----	----	----	----	----	----	----	----	----	8	0	0	1	3	50	2	3	67
St. Johnsbury	8	2	2	0	35	3	28	8	4	90	2	0	0	0	14	5	24	2	47
MASSACHUSETTS—																			
Amherst	3	3	1	24	8	14	1	31	1	86	1	2	0	2	9	9	8	11	42
Bridgewater	5	4	3	3	7	41	8	19	0	90	1	4	1	1	0	26	7	11	51
Cambridge	3	2	7	4	13	25	7	12	15	88	----	----	----	----	----	----	----	----	----
Florida	0	0	0	4	0	34	36	16	0	90	0	0	0	4	0	36	29	12	81
Lawrence	0	9	1	11	3	34	1	31	0	90	----	----	----	----	----	----	----	----	----
Mendon	0	16	0	0	5	50	1	18	0	90	0	18	1	1	5	46	1	6	78
Nantucket	8	6	1	7	13	41	6	5	3	90	----	----	----	----	----	----	----	----	----
New Bedford	1	9	1	11	0	44	2	20	0	88	----	----	----	----	----	----	----	----	----
Richmond	1	3	0	4	1	42	1	38	0	90	3	2	0	5	1	32	7	17	67
South Groton	2	11	1	6	8	35	0	27	0	90	----	----	----	----	----	----	----	----	----
Westfield	7	6	3	17	7	20	5	25	0	90	0	0	0	0	0	1	0	0	1
Worcester	1	10	2	4	3	37	2	30	0	89	0	1	0	1	2	15	1	9	29
RHODE ISLAND—																			
Providence	2	11	1	2	9	39	3	23	0	90	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	1	13	0	0	0	41	5	20	10	90	1	11	0	0	0	31	4	10	57
Middletown	5	1	1	8	15	20	4	14	22	90	0	0	0	0	0	7	16	7	30
Pomfret	4	9	2	4	24	19	2	26	0	90	1	8	3	3	16	12	6	20	69
Saybrook	3	2	7	15	9	24	9	16	5	90	1	1	0	0	0	11	11	5	29
Wallingford	5	3	2	7	19	25	2	27	0	90	0	2	0	0	2	17	14	6	41
NEW YORK—																			
Adams Centre	12	3	0	4	34	20	11	2	4	90	----	----	----	----	----	----	----	----	----
Baldwinsville	0	0	1	2	6	25	40	16	0	90	0	0	1	0	2	13	42	8	66
Bellport	1	3	2	11	13	37	4	19	0	90	2	1	0	2	3	17	1	6	32

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Beverly	3	4	0	16	16	27	4	17	0	87	1	4	0	10	9	27	9	3	63
Buffalo	11	6	6	0	5	42	11	7	0	88	....	....	....	....	....	....	....	....	....
Cazenovia	1	1	0	2	14	20	5	42	2	87	0	1	0	2	3	15	19	26	66
Morrisania	2	8	8	22	11	11	19	3	6	90	2	5	1	9	5	7	5	1	35
Nichols	7	2	1	17	24	4	1	34	0	90	10	3	0	5	11	11	6	36	82
Oswego	3	7	0	9	22	6	37	3	3	90	....	....	....	....	....	....	....	....	....
Penn Yan	6	2	0	0	26	29	21	6	0	90	....	....	....	....	....	....	....	....	....
Rochester, [Dewey]	0	4	5	1	0	11	30	9	0	60	2	1	1	0	0	4	35	5	48
Rochester, [Mathews]	8	10	0	3	6	24	11	23	4	89	2	1	0	0	0	6	11	9	29
Saratoga	0	6	0	4	1	30	3	9	0	53	1	7	0	4	2	28	4	6	52
Wampsville	0	1	5	5	16	7	55	1	0	90	0	1	4	6	11	10	41	0	73
NEW JERSEY—																			
Cinnaminson	6	10	1	3	14	30	7	17	2	90	....	....	....	....	....	....	....	....	....
Lambertville	5	8	0	5	23	22	3	18	0	84	....	....	....	....	....	....	....	....	....
Moorestown	0	1	3	3	9	6	15	8	0	45	0	0	0	0	5	0	1	0	6
Newark	4	9	2	9	0	29	1	6	0	60	....	....	....	....	....	....	....	....	....
New Brunswick	0	5	5	9	21	11	20	19	0	90	....	....	....	....	....	....	....	....	....
PENNSYLVANIA—																			
Bedford	7	0	0	2	14	2	27	21	0	73	4	1	4	4	4	0	37	13	67
Bellefonte	8	2	1	0	5	15	54	4	0	89	1	0	0	0	1	0	85	0	87
Bendersville	0	6	12	15	8	13	5	21	0	80	....	....	....	....	....	....	....	....	....
Berwick	4	4	26	1	11	15	22	6	1	90	....	....	....	....	....	....	....	....	....
Cannonsburg	1	5	12	1	0	27	31	13	0	90	....	....	....	....	....	....	....	....	....
Carlisle	0	1	3	20	0	19	8	14	24	89	0	1	1	12	0	21	7	9	51
Chambersburg	3	0	6	5	10	18	26	11	11	90	4	2	1	1	10	29	18	8	73
Easton	5	7	0	27	1	12	1	36	1	90	....	....	....	....	....	....	....	....	....
East Smithfield	7	2	2	8	5	17	21	25	1	88	....	....	....	....	....	....	....	....	....
Fleming	1	1	8	11	1	22	25	21	0	90	1	2	3	2	0	3	33	23	67
Germantown	1	13	12	6	0	6	7	27	1	73	....	....	....	....	....	....	....	....	....
Gettysburg	7	5	2	2	12	38	5	15	4	90	2	3	1	1	3	28	27	11	76
Harrisburg, [Heisely]	2	0	5	2	11	23	25	20	0	88	0	0	0	0	6	15	17	8	46
Harrisburg, [Hickok]	9	3	10	2	32	3	24	7	0	90	0	0	1	0	5	0	4	0	10
Lewisburg	14	13	0	4	15	13	10	4	0	73	2	0	0	0	4	10	7	4	27
Morrisville	1	10	3	6	19	30	4	8	9	90	1	7	1	2	4	32	16	7	70
Morrisville, [Moore]	2	4	1	1	6	19	4	17	1	55	....	....	....	....	....	....	....	....	....
Mount Joy	2	1	0	1	13	5	2	27	0	51	1	1	0	3	1	8	6	15	35
Norristown	0	2	6	9	8	19	28	6	0	78	0	5	2	4	4	19	23	3	60
North Whitehall	5	3	3	1	7	6	14	7	44	90	3	3	1	1	8	5	30	4	55
Philadelphia	1	6	2	3	3	48	2	25	0	90	0	0	0	0	0	17	2	9	28
Pittsburg, [Marine Hosp.]	7	0	5	6	12	17	17	20	6	90	1	0	2	2	6	21	10	8	50
Pocopson	9	2	0	2	12	35	13	10	0	83	5	1	0	1	3	19	15	4	48
Shamokin	0	2	22	8	23	1	28	6	0	90	0	0	69	3	3	0	0	0	75
Somerset	2	3	1	4	2	18	18	20	22	90	0	1	1	3	2	15	41	10	73
West Haverford	2	3	5	0	1	35	2	10	2	60	0	3	1	0	0	4	26	11	45
MARYLAND—																			
Annapolis	8	13	1	5	36	17	2	2	6	90	5	1	0	0	0	35	0	1	42
Baltimore	10	0	0	7	15	9	2	1	2	46	....	....	....	....	....	....	....	....	....
Bladensburg	3	5	1	5	4	23	2	11	0	54	....	....	....	....	....	....	....	....	....
Chestertown	1	9	0	14	0	41	1	23	0	89	0	4	0	5	0	13	1	15	38
Leitersburg	7	0	1	4	26	21	13	15	3	90	6	0	1	0	1	20	27	14	69
Leonardtown	10	3	8	24	3	21	8	6	1	84	3	0	0	0	1	4	23	13	44
Sykesville	13	9	2	7	13	20	20	6	0	90	1	2	1	4	2	15	51	3	79
DISTRICT OF COLUMBIA—																			
Washington	5	6	0	7	29	5	4	11	22	89	....	....	....	....	....	....	....	....	....
VIRGINIA—																			
Crichton's Store	11	10	2	9	18	29	7	1	3	90	0	0	0	0	0	30	3	0	33
Cross Creek	....	....	....	....	....	....	....	....	....	....	2	0	1	0	9	31	21	3	67
Kanawha	17	0	0	0	41	0	1	8	9	76	1	1	0	0	0	13	21	9	45
Lewinsville	5	3	2	25	14	13	10	18	0	90	....	....	....	....	....	....	....	....	....
Lewisburg	0	0	0	9	30	38	11	1	0	89	....	....	....	....	....	....	....	....	....
Montr oss	6	1	4	4	14	9	13	9	30	90	6	0	2	1	9	9	16	1	44

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
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VIRGINIA—Continued.																			
Mont View	3	2	2	10	30	29	12	2	0	90	2	0	1	8	14	26	4	0	55
Mustapha	17	0	0	2	28	10	0	2	1	60	....	....	....	....	....	....	....	....	....
Point Pleasant	3	0	51	0	10	0	23	0	0	90	0	0	30	0	0	0	3	0	33
Poplar Grove	0	0	27	0	0	0	21	8	34	90	2	6	0	0	1	21	18	9	57
Portsmouth	0	13	8	18	0	31	10	10	0	90	....	....	....	....	....	....	....	....	....
Rougemont	9	5	6	5	35	4	13	1	6	84	3	0	0	0	8	4	39	1	55
Smithfield	5	12	6	10	21	24	2	10	0	90	6	2	1	0	2	12	28	7	58
Winchester	0	0	0	2	1	5	28	10	44	90	0	0	0	0	0	0	3	3	6
NORTH CAROLINA—																			
Chapel Hill	6	7	4	0	9	8	11	4	0	49	2	2	0	1	2	9	7	6	29
Davidson College	0	30	0	6	0	33	1	3	0	73	0	0	0	3	3	38	6	11	61
Greensborough	0	5	2	6	16	38	1	22	0	90	....	....	..	....	....	....	....	....	....
Murfreesborough	1	11	6	25	3	27	4	1	10	88	2	0	0	2	0	11	45	4	67
Raleigh	6	1	0	7	32	7	7	1	2	63	....	....	....	....	....	....	....	....	....
SOUTH CAROLINA—																			
Aiken	5	5	16	8	28	17	4	0	0	83	....	....	....	....	....	....	....	....	....
All Saints	2	6	3	16	35	17	9	2	0	90	0	0	0	0	0	1	0	0	1
Charleston	1	5	0	7	6	11	4	0	0	31	....	....	....	....	....	....	....	....	....
Columbia, [Barton]	3	7	10	18	20	9	7	3	13	90	2	0	7	6	2	3	38	0	58
Columbia, [White]	9	7	2	9	11	19	2	1	0	60	0	0	0	1	0	1	0	1	3
St. John's	0	12	1	31	2	20	2	12	0	80	2	3	4	5	0	7	15	6	42
GEORGIA—																			
Athens	9	9	3	2	0	0	15	22	24	84	0	1	2	1	0	0	12	3	19
Atlanta	0	3	7	3	6	19	45	7	0	90	....	....	....	....	....	....	....	....	....
Augusta	0	15	0	40	3	18	1	13	0	90	0	8	3	3	3	47	2	5	71
Clarksville, [Stratford]	4	3	2	2	2	16	38	22	0	89	....	....	....	....	....	....	....	....	....
Clarksville, [Van Buren]	1	7	20	6	14	23	13	3	3	90	....	....	....	....	....	....	....	....	....
Covington	0	1	3	32	16	32	6	0	0	90	....	....	....	....	....	....	....	....	....
Savannah	2	12	12	11	19	31	0	3	0	90	0	1	0	0	1	1	0	2	5
Sparta	2	6	5	27	7	31	4	7	0	89	2	2	2	7	2	17	22	11	65
Thomaston	14	11	7	17	10	14	7	10	0	90	....	....	....	....	....	....	....	....	....
Whitemarsh Island	0	13	7	14	17	13	18	1	7	90	2	4	3	7	0	13	14	14	57
FLORIDA—																			
Alligator	2	0	20	15	3	20	4	5	21	90	2	17	4	2	0	22	22	1	70
Atsena	4	23	12	9	5	21	14	2	0	90	4	6	7	3	5	11	3	5	44
Belair	0	0	17	23	1	0	2	0	11	54	6	10	10	0	1	3	11	7	48
Gainesville	0	33	4	12	1	19	3	7	0	79	0	12	1	2	0	6	2	4	27
Jacksonville	1	26	0	29	3	29	0	2	0	90	0	26	3	4	0	23	6	1	63
Micanopy	1	17	12	23	7	10	7	3	4	84	3	2	0	1	0	3	1	4	14
St. Augustine	0	32	8	37	1	4	0	8	0	90	0	25	5	24	0	5	0	7	66
Salt Ponds	4	8	32	10	5	0	0	0	1	60	....	....	....	....	....	....	....	....	....
Seville	0	4	3	0	2	0	1	0	8	18	....	....	....	....	....	....	....	....	....
ALABAMA—																			
Cahawba	2	31	3	4	22	11	8	7	2	90	....	....	....	....	....	....	....	....	....
Greene Springs	5	2	4	26	1	9	14	1	20	82	3	0	2	8	8	9	7	4	41
Greensborough	17	4	3	23	7	13	4	15	0	86	4	0	1	6	4	15	11	5	46
Livingston	9	3	2	5	21	10	3	2	0	55	....	....	....	....	....	....	....	....	....
Montgomery	....	....	....	....	....	....	....	....	....	....	4	0	5	2	2	11	17	9	50
Montgomery	21	12	4	15	7	6	3	6	11	85	....	....	....	....	....	....	....	....	....
Selma	12	11	1	22	1	28	1	14	0	90	6	14	3	6	10	13	12	23	87
Spring Hill	5	3	0	13	0	18	1	9	40	89	....	....	....	....	....	....	....	....	....
Uniontown	0	1	1	10	7	15	8	10	34	86	....	....	....	....	....	....	....	....	....
MISSISSIPPI—																			
Columbus	20	1	5	9	31	7	6	10	0	89	5	0	0	4	12	8	16	7	52
Natchez	13	14	1	33	10	17	0	2	0	90	1	1	1	5	1	10	0	14	33
Paulding	3	5	6	32	0	21	6	15	0	88	3	3	5	39	3	19	8	9	80
LOUISIANA—																			
New Orleans	0	12	2	25	0	47	0	4	0	90	....	....	....	....	....	....	....	....	....
Poydras College	8	5	0	5	44	5	9	0	13	89	....	....	....	....	....	....	....	....	....
Tickfaw Station	11	6	5	14	23	16	8	7	0	90	....	....	....	....	....	....	....	....	....
TEXAS—																			
Austin, [Palm]	1	3	5	36	20	23	1	1	0	99	2	9	7	8	9	10	0	2	47

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS Continued.																			
Austin, [Van Nostrand]	13	5	4	7	59	2	0	0	0	90	7	2	1	5	29	1	0	1	46
Boston	15	5	15	3	30	5	13	4	0	90	----	----	----	----	----	----	----	----	----
Burkesville	1	1	3	4	5	13	3	2	10	42	----	----	----	----	----	----	----	----	----
Dallas	9	3	3	38	29	5	1	2	0	90	----	----	----	----	----	----	----	----	----
Gonzales	1	14	13	14	13	2	0	0	3	90	----	----	----	----	----	----	----	----	----
Jefferson	2	10	15	16	6	19	17	5	0	90	----	----	----	----	----	----	----	----	----
Kaufman	2	1	10	10	36	1	0	2	0	62	----	----	----	----	----	----	----	----	----
Larissa	6	2	3	11	53	3	6	2	0	86	10	0	1	0	30	1	6	0	48
New Braunfels	6	0	13	36	23	2	0	1	0	81	0	0	1	2	7	1	2	0	13
Northern tier of counties	9	11	8	15	75	10	7	5	0	140	----	----	----	----	----	----	----	----	----
Preston	3	0	10	10	46	6	0	0	11	86	----	----	----	----	----	----	----	----	----
San Patricio	1	7	0	74	0	4	0	3	0	89	----	----	----	----	----	----	----	----	----
Sisterdale	2	2	9	36	31	5	0	2	0	90	----	----	----	----	----	----	----	----	----
Springfield	8	16	17	12	21	5	6	1	1	90	----	----	----	----	----	----	----	----	----
Tarrant	9	0	3	1	38	2	1	0	0	54	----	----	----	----	----	----	----	----	----
Texana	8	4	5	69	1	1	0	2	0	90	----	----	----	----	----	----	----	----	----
Union Hill	7	3	8	24	40	1	2	0	5	90	5	2	2	6	31	0	2	0	51
Washington	2	0	4	10	45	2	8	2	17	90	0	0	1	2	9	1	0	0	13
Webberville	4	6	8	5	61	0	0	0	5	89	----	----	----	----	----	----	----	----	----
Wheelock	13	0	9	10	49	2	3	1	0	87	----	----	----	----	----	----	----	----	----
ARKANSAS—																			
Arkadelphia	7	12	0	16	19	28	4	4	0	90	----	----	----	----	----	----	----	----	----
Brownville	2	8	3	4	18	35	7	1	2	89	----	----	----	----	----	----	----	----	----
Gainesville	5	2	10	17	11	4	13	1	27	90	----	----	----	----	----	----	----	----	----
Jacksonport	16	5	5	5	39	7	11	2	0	90	----	----	----	----	----	----	----	----	----
Perryville	15	5	3	3	47	1	2	2	7	85	----	----	----	----	----	----	----	----	----
Spring Hill	3	3	9	9	8	6	3	4	44	89	----	----	----	----	----	----	----	----	----
Waldron	18	2	9	6	37	2	8	8	0	90	----	----	----	----	----	----	----	----	----
Yellsville	4	0	5	0	6	0	0	0	0	15	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	4	21	5	15	20	6	6	3	10	90	2	6	0	1	8	12	41	10	80
La Grange	2	16	1	16	9	15	5	6	12	82	5	1	0	0	13	10	7	11	47
Memphis	8	5	3	7	11	8	12	14	22	90	----	----	----	----	----	----	----	----	----
Winchester	26	4	2	3	27	11	10	5	0	88	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Bardstown	8	19	0	4	5	22	18	13	0	89	10	5	2	0	0	6	30	13	66
Danville	7	9	1	1	11	39	8	14	0	90	----	----	----	----	----	----	----	----	----
Hardinsburg	9	8	3	5	7	31	9	15	0	90	----	----	----	----	----	----	----	----	----
Millersburg	6	5	9	7	5	11	18	5	24	90	0	1	0	0	0	13	33	14	61
Paducah	1	1	2	0	12	1	0	7	0	24	----	----	----	----	----	----	----	----	----
Paris	10	11	0	6	9	28	4	22	0	90	4	0	1	0	5	2	41	0	53
Springdale	0	15	5	8	6	23	5	2	26	90	----	----	----	----	----	----	----	----	----
OHIO—																			
Avon	2	14	3	6	8	26	8	21	0	88	3	1	0	0	1	9	26	30	70
Bellefontaine	0	10	3	14	2	24	8	17	0	78	1	3	0	4	0	33	11	20	72
Bethel	6	5	6	7	5	25	10	9	0	73	----	----	----	----	----	----	----	----	----
Bowling Green	5	5	1	9	8	15	5	16	25	89	3	2	1	1	2	4	21	12	46
Cincinnati, [Harper]	11	1	12	2	10	18	9	27	0	90	0	0	0	0	0	2	0	1	3
Cincinnati, [Phillips]	1	0	3	1	13	16	2	13	41	90	1	1	0	3	2	21	17	1	46
Cleveland	14	4	4	11	21	8	13	12	0	87	1	1	0	0	2	7	17	4	32
College Hill, [Hammitt]	9	0	6	3	3	12	51	6	0	90	----	----	----	----	----	----	----	----	----
College Hill, [Wilson]	0	11	4	5	7	35	19	9	0	90	1	1	1	0	2	11	22	6	44
Dallasburg	28	3	0	1	2	15	27	13	0	89	----	----	----	----	----	----	----	----	----
Dudley	2	10	1	16	0	17	28	10	0	84	----	----	----	----	----	----	----	----	----
Freedom	14	3	15	0	3	28	14	13	0	90	2	0	0	0	5	18	41	9	75
Hillsborough	0	18	0	11	2	36	2	21	0	90	0	0	0	0	0	11	1	14	26
Hillsborough, [Gamble]	8	5	6	2	14	22	23	10	0	90	----	----	----	----	----	----	----	----	----
Hiram	8	8	3	5	6	31	14	12	1	88	0	2	0	0	1	7	19	13	42
Hocking Port	0	14	1	3	5	24	33	2	5	87	----	----	----	----	----	----	----	----	----
Hudson	7	10	5	7	9	17	13	16	0	84	----	----	----	----	----	----	----	----	----
Kelley's Island	2	12	8	16	12	12	6	19	3	90	----	----	----	----	----	----	----	----	----
Madison, [Atkins]	7	6	1	1	15	13	18	8	15	84	1	0	0	0	1	3	13	1	19

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Madison, [King]	10	5	2	3	17	18	6	1	3	65	1	0	3	0	2	5	0	0	11
Marion	13	0	2	5	28	9	12	8	13	90									
Montville	17	7	0	19	13	19	0	13	2	90	2	1	0	2	0	12	8	10	35
Newark	13	14	1	6	29	15	4	8	0	90									
New Lisbon	1	3	0	6	7	31	12	30	0	90	0	1	0	1	1	17	22	19	61
Northwood	1	14	1	6	3	24	6	21	0	76	0	0	2	0	0	13	7	19	41
Portsmouth	10	4	8	10	5	30	3	20	0	90	1	2	0	0	0	32	2	7	44
Rockport	13	14	3	1	15	15	28	11	0	100									
Savannah	3	1	0	15	3	30	25	13	0	90	3	4	0	0	3	33	16	16	75
Sharonville	7	1	5	5	23	10	20	17	0	88									
Troy	0	0	5	0	0	0	69	1	13	88	0	0	1	0	0	0	55	0	56
Urbana	0	3	2	12	10	9	15	6	26	83	1	1	1	0	7	13	34	5	62
Welchfield	12	5	3	12	10	29	10	9	0	90	0	0	0	0	0	1	0	1	2
Westerville	7	6	1	0	22	23	16	12	0	87	5	1	0	0	10	18	22	7	63
MICHIGAN—																			
Battle Creek	8	8	10	2	16	19	10	7	9	89	1	0	1	0	0	11	36	7	56
Detroit	2	0	3	14	5	32	31	3	0	90	0	0	1	5	5	38	39	2	90
Fort Gratiot	6	41	0	9	12	32	5	11	4	120	9	3	1	3	6	20	23	7	72
Grand Rapids	5	12	6	2	8	26	21	10	0	90	5	1	2	0	2	23	31	9	73
Lansing	3	3	8	9	5	12	19	9	0	68									
Marquette	8	13	11	11	2	9	18	18	0	90	0	0	1	0	0	0	0	0	1
Monroe, [Whelpley]	0	14	1	15	0	26	1	22	0	79	0	6	0	25	0	28	1	18	78
New Buffalo											4	2	0	4	0	22	23	15	70
Ottawa Point (a)	9	19	11	16	20	21	6	18	0	120	6	32	17	10	4	1	0	0	70
Port Huron	37	0	0	1	39	5	1	2	0	85	1	0	0	0	1	0	2	1	5
St Mary's	5	5	2	3	13	13	16	17	14	88									
Thunder Bay Island	26	6	1	19	23	14	8	12	11	120	4	1	1	1	9	4	6	16	42
Ypsilanti	4	13	5	6	10	28	9	13	1	89	6	3	2	1	3	16	21	8	60
INDIANA—																			
Aurora	2	3	1	2	5	9	3	3	2	30									
Cannelton	6	1	7	9	27	5	23	12	0	90	3	1	0	2	6	28	13	8	61
Greencastle	21	3	8	7	21	7	3	16	0	86									
Logansport	7	14	7	12	1	21	17	11	0	90	11	5	3	4	3	15	18	19	78
Logansport	1	19	5	14	0	25	8	18	0	90									
Mishawaka	9	3	1	7	7	38	19	6	0	90	6	3	1	6	6	36	16	4	78
New Albany	5	14	4	3	2	23	11	8	14	84									
New Harmony	8	3	0	17	13	13	6	13	0	73									
Richmond, [Austin]	5	18	2	3	4	14	3	6	2	57	2	3	0	1	2	14	16	5	43
Richmond, [Haines]	0	3	17	10	8	15	25	8	4	90									
Richmond, [Moore]	3	7	1	4	9	10	10	13	33	90	1	0	1	0	0	0	0	0	2
Rockville	13	7	3	6	15	6	9	8	23	90									
Shelbyville	11	2	6	10	11	20	14	16	0	90									
South Bend	0	0	5	6	11	7	38	0	0	67									
ILLINOIS—																			
Augusta	3	8	8	11	7	19	7	19	8	90	1	1	1	3	3	9	7	15	40
Aurora	4	22	4	9	21	16	6	8	0	90	1	7	1	2	2	17	37	10	77
Batavia, [Capon]	7	7	3	13	8	13	25	14	0	90									
Batavia, [Mead]	0	30	1	9	0	36	4	10	0	90	0	14	0	3	0	27	9	29	82
Carbon Cliff	2	9	13	3	24	9	21	9	0	90									
Chicago, [Brooks]	5	33	7	11	0	30	3	1	0	90									
Dixon	4	1	2	23	7	28	9	16	0	90									
Edgington	7	16	0	11	10	18	0	28	0	90	6	6	2	8	2	30	0	33	87
Elgin	6	20	3	13	12	15	6	8	7	90	0	0	0	0	0	3	6	11	23
Manchester	15	8	2	9	33	8	7	8	0	90	12	6	1	7	23	6	6	6	67
Marengo	0	6	11	21	12	37	1	2	0	90	0	2	2	0	2	13	2	0	21
Napierville	2	15	4	21	8	26	6	8	0	90									
Ottawa	3	17	1	12	3	30	0	13	2	81	2	1	0	0	0	12	4	13	32
Pekin	11	15	5	12	15	10	4	12	6	90	6	1	1	2	2	15	23	10	60
Peoria	3	16	15	10	12	2	17	15	0	90	0	2	0	0	0	0	5	2	9

(a) It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Riley	4	9	2	9	7	22	15	12	10	90									
Sandwich	3	20	6	21	14	12	5	9	0	90	0	0	0	0	0	0	69	0	69
Tiskilwa	1	18	9	16	11	16	1	18	0	90									
Upper Alton	1	8	0	3	5	29	8	35	1	88	1	8	0	4	5	29	8	34	89
West Salem	9	9	6	8	20	4	0	9	25	90	2	1	0	0	0	10	45	5	63
West Urbana	7	17	0	27	8	18	5	8	0	90	1	1	0	0	3	7	7	5	24
Wheaton	3	22	4	11	12	21	3	10	2	88	3	1	0	0	0	4	7	6	21
Willow Creek	8	9	8	17	20	10	13	4	1	90									
Winnebago	6	10	4	17	24	12	8	9	0	90	4	0	0	0	0	2	21	22	49
MISSOURI—																			
Augusta	19	12	16	9	15	6	2	10	1	90									
Bolivar	4	4	2	8	0	61	2	3	0	84									
Boonville	4	2	17	5	0	55	1	5	0	89									
Carrollton	13	5	7	4	11	33	10	7	0	90									
Cassville	3	0	0	4	25	9	6	3	33	83									
Farmington	17	0	0	3	28	18	11	13	0	90									
Greenfield	2	11	5	23	14	26	2	7	0	90									
Greenville	3	3	0	25	26	6	0	25	0	88									
Harrisonville	17	7	10	19	25	6	0	6	0	90									
Hermann	14	9	24	4	15	14	6	4	0	90									
Kirksville	3	4	7	23	36	14	2	1	0	90									
Lancaster	18	5	23	5	19	4	8	8	0	90									
Lexington	19	3	13	6	28	10	5	3	3	90									
Luray	9	10	6	25	10	8	1	19	2	90									
Paris	7	17	2	19	7	22	1	11	4	90									
Richmond	7	8	1	8	11	26	0	7	3	71									
St. Louis, [Engelmann]	4	15	13	16	16	2	7	16	0	89									
St. Louis, [Fendler]	14	21	7	26	38	16	2	23	29	176	8	5	0	3	7	25	41	24	113
Stockton	1	1	1	7	30	13	12	4	21	90									
Tuscumbia	0	0	4	2	16	33	17	0	18	90									
Warrenton	13	25	9	6	16	6	1	9	5	90									
Waynesville	11	4	1	0	4	39	17	14	0	90									
Wet Au Glaize	0	0	0	4	10	32	26	18	0	90									
WISCONSIN—																			
Appleton	1	8	2	6	6	21	16	14	4	78	1	0	0	3	0	7	9	5	25
Bay City	3	27	0	1	17	30	4	5	0	87	0	1	0	0	1	22	5	4	33
Beloit	19	6	11	9	26	12	7	0	0	90									
Burlington	4	11	9	13	23	15	4	10	1	90									
Delafield	4	5	16	9	13	10	11	7	3	78	2	2	3	1	2	6	16	7	39
Green Bay	13	8	1	3	20	7	2	1	35	90	4	5	0	0	12	7	4	1	33
Janesville, [Kellogg]	7	6	11	4	8	24	16	7	0	83									
Kenosha	4	8	21	11	12	17	10	1	2	86									
Lake Mills	10	9	11	10	25	10	9	2	0	86									
Madison	8	1	0	6	33	27	3	12	0	90	0	0	1	0	1	0	5	2	9
Manitowoc	7	5	7	14	16	21	8	12	0	90									
Milwaukee, [Larkin]	5	17	7	10	8	24	7	9	2	89	2	3	1	0	0	8	27	19	60
Milwaukee, [Pomeroy]	5	21	0	35	0	19	3	7	0	90									
Milwaukee, [Winkler]	6	22	8	17	3	12	11	11	0	90									
New Danemora	1	0	0	2	2	23	10	15	8	61									
Otsego	6	4	5	9	13	27	4	22	0	90									
Platteville	5	5	18	18	11	5	6	22	0	90	1	0	2	2	2	27	6	25	65
Wausau	6	1	4	0	3	7	52	3	14	90	6	0	1	4	2	4	28	5	50
IOWA—																			
Bellevue	8	7	11	13	13	20	4	9	0	85									
Border Plains	3	1	5	31	14	2	9	24	1	90	0	0	0	0	0	4	6	12	22
Burlington	2	6	5	35	1	16	2	15	1	83	2	0	0	0	0	18	17	5	42
Dubuque	4	5	1	11	9	23	7	21	9	90	2	3	1	7	0	17	8	30	68
Fairfield	0	2	0	32	0	11	0	30	15	90	0	1	1	0	0	0	0	0	2
Fairfield, [McBeth]	0	11	30	21	0	3	8	10	4	87									
Fayette	1	0	22	23	9	1	32	2	0	90									
Forestville	0	1	2	13	19	20	2	29	0	86	0	0	2	13	19	17	2	23	76
Fort Madison	0	11	0	24	0	27	1	26	1	90	2	2	0	6	2	18	15	7	52

No. 43.—WINDS—NUMBER OF OBSERVATIONS, JUNE, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—Continued.																			
Lyons	4	6	13	10	11	11	28	7	0	90	----	----	----	----	----	----	----	----	----
Muscatine	2	0	24	11	7	11	18	17	0	90	0	2	1	0	0	5	14	2	24
Pleasant Plain	0	11	1	26	2	21	1	26	2	90	0	2	0	1	0	16	8	7	31
Poultney	6	3	7	13	10	9	11	6	7	72	3	0	2	0	1	2	16	6	30
Rossville	11	0	7	12	16	12	8	19	4	89	----	----	----	----	----	----	----	----	----
MINNESOTA—																			
Beaver Bay, [Clark]	7	15	14	0	11	5	5	3	30	90	11	5	2	0	2	6	17	16	62
Beaver Bay, [Wieland]	10	15	10	6	17	3	8	12	0	81	3	1	0	0	4	4	2	0	14
Burlington	13	0	31	1	16	1	1	6	18	87	16	0	23	0	10	1	13	3	66
Chatfield	3	2	1	5	18	16	19	2	23	89	1	1	0	0	3	19	27	3	54
Forest City	6	5	1	19	14	8	3	20	14	90	----	----	----	----	----	----	----	----	----
Hazlewood	0	1	1	11	23	3	8	10	0	87	0	0	0	4	9	2	7	7	29
Princeton	16	2	4	12	10	10	11	6	2	73	7	0	0	1	5	10	27	8	62
NEBRASKA—																			
Bellevue	26	5	2	5	41	5	0	4	1	89	7	0	0	3	13	11	1	3	38
Brownville	0	19	1	9	2	45	2	12	0	90	0	10	2	5	2	30	5	6	60
Elkhorn	11	12	4	19	20	8	5	11	0	90	0	0	0	0	0	1	4	2	7
Kenosha	0	2	5	39	2	1	1	40	0	90	----	----	----	----	----	----	----	----	----
Nebraska City	17	4	6	12	33	6	1	4	7	90	----	----	----	----	----	----	----	----	----
Omaha	4	0	0	19	29	8	5	22	3	90	0	0	0	0	0	0	0	1	1
KANSAS—																			
Burlingame	13	9	3	29	4	9	1	1	21	90	----	----	----	----	----	----	----	----	----
Fort Riley	7	16	2	8	24	27	6	0	0	90	----	----	----	----	----	----	----	----	----
Lawrence	20	6	2	3	52	1	0	4	2	90	----	----	----	----	----	----	----	----	----
Manhattan	5	12	2	4	18	12	2	5	30	90	7	6	2	10	10	28	5	5	73
Manhattan	7	12	1	16	17	21	1	12	0	90	----	----	----	----	----	----	----	----	----
Moneka (*a*)	9	5	0	1	17	9	1	7	9	58	11	1	1	0	15	4	4	3	39
Neosho Falls	5	6	1	17	10	16	0	6	29	90	----	----	----	----	----	----	----	----	----
Spring Hill	3	12	9	7	12	30	0	4	13	90	----	----	----	----	----	----	----	----	----
Wyandott City	7	6	13	10	21	0	2	16	1	79	----	----	----	----	----	----	----	----	----
MEXICO																			
Cordova	0	16	4	1	0	2	2	5	0	30	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Sacramento	8	4	2	9	35	19	8	5	0	90	0	0	0	0	2	3	2	0	7
San Francisco	0	0	0	0	2	4	54	0	30	90	1	0	0	1	3	3	25	1	34
Union Ranche	1	0	0	9	30	14	2	19	8	83	0	0	0	7	9	8	7	9	40
WEST INDIES—																			
Nassau, Bahamas	0	4	12	8	1	0	1	0	0	26	----	----	----	----	----	----	----	----	----
St. George's, Bermuda	6	18	13	17	25	27	7	7	0	120	----	----	----	----	----	----	----	----	----
Turk's Island, Bahamas	0	0	0	27	0	0	0	0	3	39	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Guatemala	5	59	2	2	1	25	0	7	28	120	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	5	34	13	25	7	1	0	5	0	90	2	33	17	27	0	0	0	1	80

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	8	13	0	4	9	28	8	16	7	93	5	8	0	3	7	25	7	14	69
Red River Settlement	8	4	12	0	12	8	6	15	24	89	1	5	2	0	7	5	3	8	31
St. John's	2	18	1	13	2	18	18	21	0	93	0	2	0	0	0	0	8	13	23
St. Martin	0	7	3	25	2	43	4	9	0	93									
Stanbridge	11	6	6	36	15	1	10	5	3	93									
Toronto	4	12	1	14	8	16	2	27	9	93									
Windsor	9	5	12	5	4	10	20	11	1	77									
MAINE—																			
Belfast	10	5	6	3	12	5	14	7	0	62									
Cornish	10	3	1	3	10	26	29	11	0	93	2	1	0	0	0	4	2	6	15
Cornishville	15	1	0	0	13	15	15	34	0	93	1	1	0	0	3	0	0	1	6
Dexter	1	9	5	1	6	23	13	31	4	93	0	1	0	0	3	2	0	2	8
Freedom	5	1	0	0	9	35	33	10	0	93									
Gardiner	5	13	1	14	1	23	4	23	8	92	3	2	0	4	3	16	7	19	54
Hartland	0	0	0	0	1	19	37	3	0	60									
Lisbon	13	1	1	1	38	6	7	26	0	93	7	1	0	2	20	0	16	11	57
Newcastle	0	1	1	8	7	53	6	17	0	93									
North Belgrade	12	7	11	3	28	4	11	17	0	93									
Norway	3	0	0	14	8	27	5	36	0	93									
Perry	11	3	1	3	9	28	12	22	4	93	3	1	0	0	2	5	13	16	40
Portland	14	1	5	5	18	16	14	15	0	88	3	0	0	0	2	7	20	10	42
Portland, [Adams]	5	2	14	6	28	15	9	12	2	93									
Steuben	1	18	0	2	0	51	6	10	5	93	0	15	1	2	0	22	8	9	57
Topsham	0	1	0	4	7	19	13	49	0	93									
Warren	5	12	1	15	14	17	3	26	0	93									
Vassalborough	0	5	0	4	39	0	45	0	0	93									
NEW HAMPSHIRE—																			
Mount Washington	0	1	2	6	2	9	21	48	0	89	0	1	9	6	0	0	1	2	19
Shelburne	0	0	10	0	0	0	50	0	12	72	0	0	0	0	0	2	14	24	40
Stratford	2	8	19	4	8	16	8	18	10	93	0	0	0	0	0	3	11	17	31
Stratham	3	6	1	19	10	8	28	18	0	93									
VERMONT—																			
Brandon	9	0	4	16	22	6	5	22	9	93	6	2	0	0	0	12	2	36	58
Burlington	13	3	0	0	18	15	0	44	0	93									
Craftsbury	2	7	1	8	30	13	14	17	1	93	10	2	0	1	0	6	19	20	58
Lunenburg	0	0	0	1	12	9	23	15	0	60									
Rupert											5	0	0	1	0	34	5	4	49
St. Johnsbury	13	1	1	1	25	0	32	12	6	91	5	0	1	0	6	2	30	1	45
MASSACHUSETTS—																			
Amherst	3	2	1	28	6	3	7	34	0	84	2	1	2	2	2	5	5	10	29
Cambridge	7	3	5	3	5	22	11	11	22	89									
Florida	0	0	0	0	0	27	57	9	0	93	2	0	0	0	0	23	46	11	82
Lawrence	1	11	0	23	0	23	0	34	0	92									
Mendon	0	21	0	0	0	48	2	22	0	93	0	11	0	1	0	42	2	20	76
Nantucket	6	16	7	11	3	29	6	11	4	93									
New Bedford	2	14	1	8	3	37	3	22	2	92	8	4	0	0	0	10	8	11	41
Richmond	0	0	0	9	2	32	2	48	0	93	0	3	0	3	0	14	7	15	42
South Groton	1	6	4	16	3	27	3	33	0	93									
Westfield	4	6	6	12	5	16	11	33	0	93	0	0	0	1	0	0	0	1	2
Williamstown	1	2	3	7	7	11	3	28	30	92									
Worcester	4	14	2	19	2	19	8	24	0	92	0	3	0	1	0	6	2	6	18
RHODE ISLAND—																			
Providence	6	9	4	4	18	20	5	26	0	92									
CONNECTICUT—																			
Columbia	2	9	2	2	6	20	9	19	24	93	2	5	0	2	5	19	7	16	56
Middletown	2	6	0	4	3	12	2	16	47	92	4	6	4	2	1	11	7	10	45
Pomfret	3	5	6	5	16	21	3	31	0	93	3	4	0	3	3	19	3	32	67
Saybrook	6	3	10	13	2	27	10	13	8	92	2	4	1	1	1	3	11	9	32
Wallingford	9	8	0	6	16	29	2	23	0	93	2	3	0	3	1	11	10	13	43
NEW YORK—																			
Baldwinsville	2	1	8	2	3	7	32	37	0	92	1	1	0	0	0	4	36	21	63
Bellport	12	8	1	20	8	30	3	9	2	93	1	2	0	9	9	16	2	0	39

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Beverly	8	4	0	10	9	31	2	22	0	86	2	3	3	9	4	18	7	8	54
Cazenovia	6	1	1	0	12	10	16	37	7	93	5	1	0	0	3	6	20	29	64
Great Valley	30	2	0	1	17	3	9	16	15	93	----	----	----	----	----	----	----	----	----
Morrisania	3	6	14	18	11	13	14	14	0	93	1	1	5	1	3	0	2	1	14
Nichols	9	2	8	20	13	2	6	33	0	93	22	3	0	2	12	2	0	42	83
Ogdensburg	13	1	0	0	0	7	8	2	0	31	----	----	----	----	----	----	----	----	----
Oswego	6	18	6	12	10	5	27	2	7	93	----	----	----	----	----	----	----	----	----
Penn Yan	6	8	2	0	16	8	39	13	0	92	----	----	----	----	----	----	----	----	----
Rochester, [Dewey]	1	19	3	2	2	12	28	19	2	79	0	1	0	0	0	9	37	22	69
Rochester, [Mathews]	7	20	1	1	4	20	7	20	13	93	6	1	0	0	1	2	12	12	34
Saratoga	6	17	3	8	1	41	2	10	0	88	5	20	3	9	1	40	3	9	90
Wampsville	2	0	5	11	8	7	56	1	0	93	1	0	5	11	8	7	37	4	73
Wilson	2	7	10	3	6	22	15	10	2	77	0	0	0	0	0	2	0	0	2
NEW JERSEY																			
Burlington	13	11	4	8	9	29	7	17	4	93	----	----	----	----	----	----	----	----	----
Cinnaminson	13	11	4	8	9	20	7	17	4	93	----	----	----	----	----	----	----	----	----
Lambertville	4	12	0	9	5	22	2	28	0	82	----	----	----	----	----	----	----	----	----
Newark	6	15	0	10	1	19	4	6	1	62	----	----	----	----	----	----	----	----	----
New Brunswick	5	4	7	19	7	13	29	17	1	93	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Bedford	3	0	1	2	14	0	13	16	44	93	6	0	0	2	6	1	31	17	63
Bendersville	5	8	4	7	4	5	14	15	0	62	----	----	----	----	----	----	----	----	----
Berwick	8	2	36	5	3	7	29	3	0	93	0	0	0	0	3	3	0	1	7
Cannonsburg	1	3	20	1	0	18	37	11	2	93	----	----	----	----	----	----	----	----	----
Carlisle	0	3	0	15	1	18	6	10	31	84	0	0	0	12	1	16	8	9	46
Chambersburg	8	5	12	16	2	10	11	15	14	93	9	4	6	3	3	12	17	18	72
Easton	3	11	1	27	0	12	0	37	1	92	----	----	----	----	----	----	----	----	----
East Smithfield	9	5	8	9	14	14	16	18	0	93	----	----	----	----	----	----	----	----	----
Fleming	1	3	6	11	0	21	18	30	2	92	6	6	1	5	0	4	9	26	57
Gettysburg	11	20	3	4	4	23	9	19	0	93	10	7	3	1	4	6	20	26	77
Harrisburg, [Heisely]	9	0	0	9	32	7	20	11	1	89	10	0	0	4	19	4	12	5	54
Harrisburg, [Hickok]	11	4	15	5	14	11	22	7	0	92	0	0	0	0	0	0	1	0	1
Lewisburg	10	4	0	5	15	13	8	9	29	93	4	0	0	0	1	2	8	8	23
Morrisville, [Hance]	5	14	6	8	12	28	3	6	11	93	3	7	2	4	3	30	6	7	62
Morrisville, [Moore]	1	10	0	1	1	18	2	31	15	79	----	----	----	----	----	----	----	----	----
Mount Joy	2	0	0	5	9	3	0	35	0	54	1	2	1	2	1	1	10	24	42
Norristown	1	6	5	18	4	17	19	8	0	78	0	7	3	6	2	12	21	5	56
North Whitehall	1	6	1	0	5	7	3	7	63	93	1	3	3	0	0	6	21	8	42
Philadelphia	5	18	0	10	3	31	2	21	0	93	2	3	3	2	1	9	8	4	22
Pittsburg, [Marine Hosp.]	9	4	11	9	10	5	19	21	5	93	0	3	1	1	3	11	13	11	43
Pocopson	16	5	3	7	8	26	14	4	0	83	8	8	2	3	0	9	9	7	46
Shamokin	1	0	29	3	25	5	29	1	0	93	2	1	71	3	2	3	1	1	84
Somerset	3	3	3	6	4	6	8	21	39	93	3	2	8	0	1	8	30	15	67
Worthington	9	4	15	7	5	5	12	16	20	93	9	5	7	1	0	5	11	27	68
MARYLAND—																			
Annapolis	6	22	8	15	16	14	3	5	4	93	4	4	1	0	0	22	0	10	41
Bladensburg	1	10	4	7	1	9	1	12	0	15	----	----	----	----	----	----	----	----	----
Chestertown	3	13	3	25	3	21	1	21	0	99	2	6	0	11	1	2	0	12	34
Frederick	6	15	1	2	5	7	22	14	17	89	0	0	1	4	1	4	27	12	49
Leitersburg	15	2	1	5	19	25	6	12	8	93	6	10	4	4	3	1	17	23	68
Leonardtown	8	4	15	18	7	15	14	9	1	91	8	1	1	0	1	2	9	20	42
Sykesville	21	10	4	5	12	11	20	7	0	93	12	3	8	5	4	6	43	4	85
DISTRICT OF COLUMBIA—																			
Washington	10	6	3	7	12	8	3	9	33	91	----	----	----	----	----	----	----	----	----
VIRGINIA—																			
Crichton's Store	22	21	9	6	4	17	5	5	10	93	1	0	1	0	0	13	3	0	18
Cross Creek	----	----	----	----	----	----	----	----	----	----	5	2	2	1	6	10	23	15	64
Fredericksburg	36	20	4	4	14	9	3	3	0	93	----	----	----	----	----	----	----	----	----
Kanawha	17	1	0	0	40	0	1	4	4	67	3	6	4	1	1	5	12	7	39
Lewinsville	4	15	12	12	10	13	5	22	0	93	1	0	0	1	0	0	0	0	2
Lewisburg	0	8	3	22	23	34	0	3	0	93	----	----	----	----	----	----	----	----	----
Montross	6	7	12	9	5	6	6	3	39	93	10	2	6	0	2	0	9	4	33

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Mont View	3	1	0	1	13	13	29	0	0	93	1	1	2	6	5	5	0	1	21
Mustapha	30	3	0	0	19	4	0	6	0	62	----	----	----	----	----	----	----	----	----
Poplar Grove	0	2	22	1	0	1	27	6	34	93	7	1	2	1	1	7	25	9	56
Portsmouth	3	18	17	14	0	29	6	6	0	93	----	----	----	----	----	----	----	----	----
Rougemont	17	16	10	0	6	2	25	2	11	89	5	7	1	1	1	3	26	2	46
Smithfield	11	25	4	11	10	13	6	12	0	92	11	5	5	4	1	1	19	12	61
NORTH CAROLINA—																			
Chapel Hill	15	25	6	2	14	13	16	2	0	93	6	18	6	1	8	9	14	4	66
Davidson College	0	17	0	3	0	7	7	2	1	37	1	3	0	0	0	6	15	2	27
Murfreesborough	8	13	0	9	11	10	3	2	0	56	5	11	0	2	0	4	5	7	34
Raleigh	3	5	13	7	6	1	13	3	42	93	----	----	----	----	----	----	----	----	----
West Green	1	19	2	9	18	31	1	10	2	93	----	----	----	----	----	----	----	----	----
SOUTH CAROLINA—																			
Aiken	7	22	13	4	16	25	1	0	0	88	----	----	----	----	----	----	----	----	----
All Saints	8	5	11	7	43	5	14	0	0	93	----	----	----	----	----	----	----	----	----
Charleston	3	7	0	4	3	7	6	1	0	31	----	----	----	----	----	----	----	----	----
Columbia, [Barton]	5	7	7	18	10	5	20	5	16	93	3	3	19	7	3	0	26	2	63
Columbia, [White]	6	4	10	1	19	0	14	5	19	78	0	0	3	0	0	1	4	1	9
St. John's	1	16	3	21	1	28	4	13	0	87	1	10	2	2	0	5	11	6	40
GEORGIA—																			
Athens	4	18	6	2	0	4	4	36	13	87	2	4	4	4	0	0	3	4	21
Atlanta	5	2	24	3	2	5	46	6	0	93	----	----	----	----	----	----	----	----	----
Augusta	15	26	10	2	2	23	5	10	0	93	0	25	4	1	2	21	4	6	63
Clarksville, [Van Buren]	2	16	23	3	2	21	22	4	0	93	----	----	----	----	----	----	----	----	----
Covington	1	13	9	17	9	21	18	5	0	93	----	----	----	----	----	----	----	----	----
Savannah	5	19	5	14	7	37	1	5	0	93	2	0	1	0	1	0	0	1	5
Sparta	1	13	11	12	4	39	4	8	0	92	5	19	10	8	1	6	8	15	72
Thomaston	13	7	15	6	5	9	17	9	0	81	----	----	----	----	----	----	----	----	----
Whitemarsh Island	7	9	6	6	10	6	32	6	11	93	5	9	2	6	5	1	5	14	47
FLORIDA—																			
Alligator	0	7	12	9	7	36	8	0	14	93	3	3	6	4	0	10	20	7	53
Atsena	2	10	12	11	0	5	42	5	6	93	2	10	9	10	0	6	29	6	72
Belair	0	11	15	20	3	16	8	4	12	89	3	5	5	28	3	20	9	4	77
Gainesville	0	8	7	8	2	23	6	17	0	71	0	0	3	0	2	0	0	2	7
Jacksonville	0	18	2	9	4	47	2	7	1	90	0	18	0	5	1	28	8	6	66
Micanopy	2	8	10	23	5	10	21	10	2	91	3	1	2	2	1	2	0	2	13
St. Augustine	0	20	1	25	8	26	0	13	0	93	0	17	1	23	3	14	0	9	67
Salt Ponds	4	2	14	25	6	1	2	3	5	62	----	----	----	----	----	----	----	----	----
Seville	2	3	1	0	0	0	2	2	11	21	----	----	----	----	----	----	----	----	----
ALABAMA—																			
Carlowville	4	3	11	3	18	11	31	6	0	87	0	0	7	0	2	2	3	0	14
Cahawba	1	27	0	3	38	7	11	5	1	93	----	----	----	----	----	----	----	----	----
Greene Springs	6	1	11	9	0	11	11	2	12	66	8	0	1	4	4	2	5	2	26
Greensborough	8	6	6	17	8	13	17	18	0	93	7	5	9	6	2	3	13	5	50
Livingston	15	8	11	5	19	7	19	3	6	93	----	----	----	----	----	----	----	----	----
Montgomery	10	15	6	7	7	3	20	15	10	93	----	----	----	----	----	----	----	----	----
Selma	8	19	3	12	0	22	3	26	0	93	1	14	1	17	4	5	15	17	77
Spring Hill	3	9	0	13	0	30	3	6	28	92	----	----	----	----	----	----	----	----	----
Uniontown	1	3	2	5	2	21	0	1	17	52	----	----	----	----	----	----	----	----	----
MISSISSIPPI—																			
Columbus	15	2	20	8	11	4	24	5	1	93	3	2	15	6	6	0	11	6	49
Natchez	14	20	2	8	3	40	0	6	0	93	2	23	3	8	0	1	0	14	51
Paulding	3	17	11	10	3	20	12	11	0	87	3	10	11	14	5	21	6	13	83
Westville	3	15	2	11	0	5	3	8	6	53	0	5	2	12	6	12	4	1	42
LOUISIANA—																			
New Orleans	0	6	0	15	0	28	0	14	0	93	----	----	----	----	----	----	----	----	----
Poydras College	23	3	0	2	44	18	0	0	3	93	----	----	----	----	----	----	----	----	----
Tickfaw Station	15	18	33	6	3	5	7	6	0	93	----	----	----	----	----	----	----	----	----
TEXAS—																			
Austin, [Palm]	1	3	5	24	31	22	3	1	0	93	3	9	9	6	15	11	2	1	56
Austin, [Van Nostrand]	11	1	2	2	71	3	1	0	1	92	2	2	1	0	27	2	0	0	31
Bastrop	0	0	23	30	19	0	0	0	0	93	----	----	----	----	----	----	----	----	----

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
Boston	3	3	17	9	18	3	10	0	0	93	----	----	----	----	----	----	----	----	----
Burkeville	1	5	11	21	12	5	10	8	0	93	----	----	----	----	----	----	----	----	----
Dallas	5	2	7	61	14	0	0	3	21	93	----	----	----	----	----	----	----	----	----
Gilmer	2	3	0	10	20	13	0	3	0	51	----	----	----	----	----	----	----	----	----
Kaufman	0	13	0	9	71	0	0	0	0	93	----	----	----	----	----	----	----	----	----
Larissa	0	0	13	16	48	7	4	1	0	89	3	1	8	4	23	6	4	1	50
New Braunfels	2	2	9	34	37	3	4	1	0	92	1	0	4	0	8	2	1	0	16
Northern tier of counties.	5	4	12	27	58	4	0	9	9	148	----	----	----	----	----	----	----	----	----
Port La Vaca	8	13	8	23	42	14	2	3	0	93	----	----	----	----	----	----	----	----	----
San Patricio	1	5	0	75	3	2	0	0	0	86	----	----	----	----	----	----	----	----	----
Sisterdale	6	4	6	33	28	8	3	5	0	93	2	0	0	0	7	0	5	0	14
Tarrant	9	1	16	3	56	1	1	0	6	93	----	----		----	----	----	----	----	----
Union Hill	1	5	1	1	69	4	7	1	4	93	8	1	1	4	38	2	6	3	63
Washington	11	2	3	4	58	0	0	0	13	91	2	0	0	1	3	1	0	0	7
Webberville	1	4	5	6	41	2	2	0	12	73	----	----	----	----	----	----	----	----	----
Wheelock	1	1	18	2	55	1	7	0	8	93	----	----	----	----	----	----	----	----	----
ARKANSAS—																			
Arkadelphia	0	19	8	17	22	24	1	2	0	93	----	----	----	----	----	----	----	----	----
Brownsville	0	6	7	15	9	44	2	1	0	84	----	----	----	----	----	----	----	----	----
Gainesville	2	7	0	26	6	2	0	26	24	93	----	----	----	----	----	----	----	----	----
Jacksonport	21	6	18	1	36	1	8	2	0	93	----	----	----	----	----	----	----	----	----
Perryville	21	4	8	10	38	3	3	2	4	93	----	----	----	----	----	----	----	----	----
Spring Hill	2	3	12	5	2	8	2	2	44	80	----	----	----	----	----	----	----	----	----
Waldron	2	4	40	4	18	7	3	14	1	93	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	7	8	23	2	17	4	9	4	19	93	7	3	16	1	14	3	11	9	64
Memphis	10	3	5	2	0	4	2	22	45	93	----	----	----	----	----	----	----	----	----
Winchester	7	8	7	11	29	11	11	6	0	90	----	----	----	----	----	----	----	----	----
KENTUCKY—																			
Bardstown	2	23	0	10	19	21	15	3	0	93	6	3	11	3	1	1	31	3	59
Danville	5	16	8	3	6	15	8	19	0	80	6	7	1	4	0	5	15	14	52
Hardensburg	2	15	5	17	9	33	3	9	0	93	----	----	----	----	----	----	----	----	----
Paducah	5	7	0	0	2	1	2	9	0	26	----	----	----	----	----	----	----	----	----
Paris	7	32	2	10	2	16	1	21	0	91	7	0	7	0	1	3	26	2	46
Springdale	2	10	9	1	5	24	9	1	32	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Avon	12	14	4	12	14	12	12	11	0	91	2	1	0	0	0	7	50	10	70
Bellefontaine	1	14	11	15	1	17	0	29	0	88	1	13	5	16	1	9	4	10	59
Bethel	6	8	21	7	4	5	5	7	0	63	----	----	----	----	----	----	----	----	----
Bowling Green	5	5	3	4	6	4	4	13	48	92	3	0	2	1	0	3	15	7	31
Cincinnati, [Harper]	15	12	20	3	1	6	14	21	0	92	----	----	----	----	----	----	----	----	----
Cincinnati, [Phillips]	4	15	5	6	4	15	6	31	7	93	5	6	4	16	1	4	12	17	65
Cleveland	16	8	4	10	26	7	6	13	3	93	4	1	0	0	0	2	8	5	20
College Hill	1	20	8	17	4	10	21	12	0	93	0	8	0	1	3	1	23	7	43
College Hill, [Hammett]	1	20	3	11	0	11	22	24	0	92	----	----	----	----	----	----	----	----	----
Dallasburg	17	15	5	1	1	11	29	14	0	93	----	----	----	----	----	----	----	----	----
Freedom	9	25	0	0	8	17	16	10	8	93	17	1	0	0	4	4	36	1	63
Hillsborough	0	21	0	22	0	23	0	25	1	92	1	1	0	1	0	5	1	9	18
Hillsborough, [Gamble]	7	21	2	1	4	10	17	6	5	73	----	----	----	----	----	----	----	----	----
Hiram	6	11	3	3	15	13	8	24	4	87	5	0	0	0	0	7	10	9	31
Hocking Port	3	28	0	4	4	22	20	8	3	92	----	----	----	----	----	----	----	----	----
Hudson	7	8	3	13	4	11	3	12	0	61	----	----	----	----	----	----	----	----	----
Jackson, [Monroe county]	3	1	7	3	13	2	0	0	38	67	----	----	----	----	----	----	----	----	----
Kelley's Island	5	6	12	15	9	7	8	21	10	93	----	----	----	----	----	----	----	----	----
Madison, [Atkins]	18	3	0	2	14	5	9	10	32	93	3	0	0	0	1	0	4	3	11
Madison, [King]	5	9	7	17	8	7	7	3	5	68	1	0	5	7	1	2	1	0	17
Montville	15	16	0	22	6	23	0	10	1	93	1	0	0	2	2	6	7	15	36
New Lisbon	9	9	2	9	7	20	16	21	0	93	3	3	2	5	3	6	18	19	59
Newark	11	18	8	3	20	19	4	10	0	93	----	----	----	----	----	----	----	----	----
Northwood	0	3	2	30	0	17	7	31	0	90	0	1	0	3	1	8	3	12	28
Portsmouth	23	11	9	7	11	18	2	12	0	93	0	13	0	2	0	12	3	23	53
Rockport	20	8	13	1	3	16	15	17	0	93	----	----	----	----	----	----	----	----	----

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Savannah	1	5	0	20	0	38	16	13	0	93	0	2	0	0	1	26	16	11	56
Sharonville	12	19	1	0	13	7	16	25	0	93	----	----	----	----	----	----	----	----	----
Troy	2	1	1	5	1	1	54	3	25	93	0	0	3	2	1	0	24	0	30
Urbana	1	8	6	10	1	7	6	16	38	93	8	3	4	0	1	6	24	12	58
Welchfield	14	5	2	19	7	16	16	14	0	93	0	0	0	1	0	2	0	1	4
Westerville	24	1	4	3	15	9	15	13	1	85	9	0	2	1	4	3	15	8	42
Michigan—																			
Battle Creek	7	4	15	8	11	7	16	8	17	93	2	1	1	1	2	1	28	17	53
Detroit	0	0	3	17	14	31	28	0	0	93	0	0	0	8	16	45	24	0	93
Fort Gratiot	11	42	0	13	9	31	4	13	1	124	13	2	0	4	3	12	15	18	67
Grand Rapids	13	9	9	2	7	12	27	14	0	93	7	4	0	2	1	5	46	5	70
Lake George	2	5	0	15	4	3	7	28	28	92	----	----	----	----	----	----	----	----	----
Lansing	4	3	3	5	0	9	18	5	31	81	----	----	----	----	----	----	----	----	----
Marquette	12	1	7	21	15	10	16	11	0	93	----	----	----	----	----	----	----	----	----
Monroe, [Bowlsby]	0	1	9	7	1	11	6	17	14	66	0	2	30	3	0	0	0	0	35
Monroe, [Whelpley]	0	29	0	6	1	17	3	22	0	78	0	25	0	4	1	6	3	18	57
Monroe Piers	3	16	8	31	4	27	6	26	1	122	7	3	0	0	0	5	13	21	49
New Buffalo	----	----	----	----	----	----	----	----	----	----	4	1	0	0	0	14	23	23	65
Otsego	4	2	5	4	4	26	10	9	28	92	----	----	----	----	----	----	----	----	----
Ottawa Point (*a*)	6	28	14	11	26	17	4	17	0	123	0	17	14	5	7	4	0	2	49
Thunder Bay Island	20	8	8	21	26	12	2	14	13	124	6	2	7	4	5	0	7	18	49
Ypsilanti	6	9	10	13	2	21	11	17	2	91	3	6	4	3	1	10	16	7	50
Indiana—																			
Aurora	0	7	2	1	7	3	8	2	1	31	----	----	----	----	----	----	----	----	----
Cannelton	3	4	15	13	4	10	25	18	1	93	6	3	7	2	1	6	12	17	54
Greencastle	15	9	4	16	15	15	3	7	7	91	----	----	----	----	----	----	----	----	----
Logansport	5	28	3	12	1	27	2	15	0	93	----	----	----	----	----	----	----	----	----
Logansport	11	19	10	7	2	21	12	11	0	93	4	12	9	2	3	7	18	20	75
Mishawaka	7	7	6	15	6	28	20	4	0	93	6	6	6	15	6	27	17	4	87
New Albany	4	19	12	8	1	10	12	12	9	87	----	----	----	----	----	----	----	----	----
New Harmony	6	2	8	14	10	14	16	13	0	83	----	----	----	----	----	----	----	----	----
Richmond, [Haines]	3	13	22	6	3	6	18	13	9	93	----	----	----	----	----	----	----	----	----
Richmond, [Moore]	0	2	4	1	2	7	4	9	10	39	----	----	----	----	----	----	----	----	----
Shelbyville	18	7	9	14	6	8	18	13	0	93	----	----	----	----	----	----	----	----	----
South Bend	0	0	7	4	2	2	35	8	35	93	----	----	----	----	----	----	----	----	----
Illinois—																			
Augusta	1	14	5	18	7	14	7	6	21	93	6	6	0	8	3	9	5	9	46
Aurora	6	17	7	6	11	20	16	10	0	93	5	5	1	1	1	10	20	22	65
Batavia	0	40	0	8	0	34	2	9	0	93	0	23	0	2	0	24	4	22	75
Carbon Cliff	1	4	11	0	19	14	25	6	10	93	----	----	----	----	----	----	----	----	----
Chicago	0	32	4	24	0	25	3	5	0	93	----	----	----	----	----	----	----	----	----
Dixon	0	24	5	8	13	27	6	10	0	93	----	----	----	----	----	----	----	----	----
Edgington	3	11	0	23	3	36	0	14	0	93	2	16	2	16	1	33	0	18	88
Elgin	6	11	3	11	9	12	8	13	20	93	0	0	0	0	0	0	4	3	7
Manchester	7	13	4	6	29	11	16	6	1	93	4	4	3	3	20	12	11	7	64
Marengo	0	2	18	22	5	45	0	1	0	93	0	1	0	2	1	5	4	0	13
Napierville	3	23	2	12	2	17	9	7	16	91	3	5	0	3	0	8	3	10	32
Ottawa	3	18	0	9	2	29	3	8	16	88	5	0	0	0	2	9	6	8	30
Pekin	9	14	7	9	10	6	5	8	25	93	4	1	5	1	3	7	15	7	43
Peoria	2	23	12	8	11	6	20	11	0	93	0	0	0	1	2	1	4	0	8
Riley	4	2	12	4	5	13	26	8	15	92	----	----	----	----	----	----	----	----	----
Sandwich	19	15	4	17	4	14	14	6	0	93	0	18	1	0	0	2	42	6	69
Tiskilwa	8	11	4	14	5	28	8	15	0	93	----	----	----	----	----	----	----	----	----
Upper Alton	22	3	0	8	1	21	7	26	5	93	22	4	0	7	1	20	7	22	83
West Salem	4	11	5	6	8	11	6	6	36	93	9	6	2	3	7	1	25	12	65
West Urbana	5	24	2	15	0	31	3	13	0	93	1	1	0	1	0	7	4	2	16
Wheaton	5	19	10	4	3	15	14	13	8	91	4	3	0	0	4	1	4	4	20
Willow Creek	4	9	12	7	17	8	17	11	7	92	----	----	----	----	----	----	----	----	----
Winnebago	8	6	4	21	10	25	13	6	0	93	4	6	1	0	1	1	27	5	45

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 44.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MISSOURI —																			
Bolivar	1	0	7	18	3	28	1	0	0	58									
Boonville	0	18	14	15	5	25	11	5	0	93									
Carrollton	3	12	5	19	25	16	3	9	0	92									
Cassville	5	1	8	2	10	0	11	6	50	93									
Dundee	6	8	22	10	24	8	8	5	0	91									
Emerson	11	6	8	8	16	14	25	4	1	93									
Farmington	13	0	1	2	22	19	16	20	0	93									
Greenfield	1	8	8	39	12	21	3	1	0	93									
Harrisonville	5	13	16	22	28	8	0	1	0	93									
Hermann	14	18	32	1	6	7	12	3	0	93									
Hornersville	11	11	1	17	21	6	6	20	0	93									
Kirksville	1	2	4	22	39	17	3	5	0	93									
Lancaster	16	4	15	5	45	5	2	1	0	93									
Lexington	7	11	19	12	18	16	7	0	3	93									
Luray	18	9	6	18	7	26	0	4	5	93									
Paris	9	14	9	14	12	7	2	3	23	93									
Richmond	1	25	5	7	20	34	0	0	1	93									
St. Louis, [Engelmann]	5	11	20	8	17	5	13	14	0	93									
St. Louis, [Fendler]	6	17	1	26	8	19	7	31	28	143	7	6	3	8	5	17	9	20	75
Stockton	4	3	8	13	32	12	6	2	13	92									
Tuscumbia	2	1	3	5	16	25	8	1	31	93									
Waynesville	16	4	0	7	1	29	18	18	0	93									
Wet au Glaize	5	11	3	16	4	29	16	9	0	93									
WISCONSIN —																			
Appleton	11	17	2	5	11	33	2	6	3	90	1	0	0	0	0	3	1	1	6
Bay City	1	31	2	1	5	39	8	6	0	93	0	3	1	0	0	23	10	3	40
Beloit	14	8	5	9	32	12	3	10	0	93	6	0	1	2	3	1	3	13	29
Burlington	10	7	7	21	10	13	15	10	0	93									
Green Bay	15	0	1	0	21	1	6	4	45	93	2	1	0	0	9	7	5	0	24
Janesville	8	9	7	5	8	19	18	9	0	83									
Kenosha	3	14	13	22	15	10	11	0	1	89									
Lake Mills	13	3	4	5	31	14	20	3	0	93									
Madison	5	2	1	0	24	16	16	4	5	73	0	1	2	0	0	2	2	0	7
Manitowoc	3	10	3	11	11	20	15	20	0	93	1	1	1	1	4	1	12	11	32
Milwaukee, [Larkin]	5	9	13	11	3	7	25	12	8	93	3	5	1	0	5	7	22	12	55
Milwaukee, [Winkler]	3	20	7	17	3	10	18	15	0	93									
Otsego	7	14	1	5	3	41	8	14	0	93									
Platteville	4	1	9	38	7	10	7	17	0	93	2	0	3	11	7	16	0	15	54
Rocky Run	2	11	6	2	12	32	6	18	2	91									
Wausau	3	0	0	0	6	6	55	1	22	93	2	0	1	2	3	1	47	4	60
IOWA —																			
Bellevue	3	6	6	7	16	17	26	11	0	92									
Border Plains	10	6	0	39	17	7	2	6	6	93	0	0	0	1	4	3	22	8	38
Burlington	1	10	1	25	5	32	2	9	0	85	0	1	0	2	0	12	22	10	47
Dubuque	0	9	8	11	13	20	7	14	10	92	1	6	2	10	4	13	8	14	58
Fairfield	1	7	28	7	11	12	6	9	9	93									
Fairfield, [Shaffer]	0	9	0	23	2	13	1	13	32	93	0	0	1	1	0	0	0	1	3
Fayette Village	0	10	8	4	31	11	25	4	0	93									
Forestville	3	9	0	21	14	22	0	21	0	90	3	6	0	15	15	17	0	14	70
Fort Madison	2	13	0	15	0	39	0	18	6	93	8	4	2	6	3	12	19	7	61
Lyons City	7	15	6	8	12	19	12	5	8	92									
Muscatine	5	11	3	17	19	17	11	10	0	93	1	3	0	1	0	22	8	3	38
Pleasant Plain	0	13	4	13	17	24	0	19	2	92	0	0	0	0	4	15	12	1	32
Rossville	6	1	9	9	11	21	4	20	9	93									
MINNESOTA —																			
Beaver Bay, [Clark]	2	17	10	0	11	5	3	3	42	93	4	1	4	0	3	7	22	9	59
Beaver Bay, [Wieland]	0	14	8	4	10	4	7	8	0	55	0	0	0	0	0	0	3	0	3
Burlington	16	1	29	4	13	2	1	11	16	93	8	1	24	1	7	2	7	9	59
Chatfield	5	1	2	2	25	15	8	9	26	93	2	1	1	0	6	13	5	4	32
Forest City	10	1	5	13	19	9	4	2	30	93									
Hazlewood	1	3	2	29	20	11	3	16	0	85	0	0	3	5	0	1	5	0	11
Princeton	8	2	10	20	21	5	12	9	6	93	5	0	2	3	10	8	18	3	49

No. 11.—WINDS—NUMBER OF OBSERVATIONS, JULY, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.									
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEBRASKA—																			
Bellevue	10	7	3	7	48	4	1	6	3	89	2	0	2	0	10	0	2	5	21
Elkhorn	3	14	5	25	23	16	2	5	0	93	----	----	----	----	----	----	----	----	----
Kanosha	1	7	12	41	5	3	4	20	0	93	----	----	----	----	----	----	----	----	----
Nebraska City	3	3	7	6	43	14	1	3	13	93	----	----	----	----	----	----	----	----	----
Omaha	7	1	0	27	38	1	1	10	8	93	2	0	0	0	1	1	0	5	9
KANSAS—																			
Burlingame	9	6	1	47	2	6	0	2	20	93	----	----	----	----	----	----	----	----	----
Fort Riley	4	16	4	13	39	16	0	1	0	93	----	----	----	----	----	----	----	----	----
Lawrence	16	3	8	1	60	1	0	1	3	93	----	----	----	----	----	----	----	----	----
Lecompton	0	11	0	23	6	36	0	14	0	90	----	----	----	----	----	----	----	----	----
Manhattan	1	12	9	14	26	19	0	0	12	93	1	12	2	8	15	20	1	4	63
Manhattan, [Preston]	4	6	2	34	28	12	0	5	0	91	----	----	----	----	----	----	----	----	----
Moneka (*a*)	1	11	1	14	4	20	1	5	6	63	0	8	0	8	2	23	1	9	51
Neosho Falls	3	9	2	19	8	22	0	2	28	93	----	----	----	----	----	----	----	----	----
Spring Hill	9	11	10	13	16	16	0	5	12	92	----	----	----	----	----	----	----	----	----
Wyandott City	2	13	9	31	14	12	1	7	4	93	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Auburn	0	0	7	0	3	64	0	2	3	79	----	----	----	----	---	---	----	----	----
Crescent City	2	0	0	2	22	8	5	13	29	72	----	----	----	----	----	----	----	----	----
Monterey	3	0	0	1	7	19	34	22	1	90	----	----	----	----	----	----	----	----	----
Moquelumne Hill	0	0	0	0	0	92	1	0	0	93	----	----	----	----	----	----	----	----	----
Sacramento	3	0	0	13	54	12	10	1	0	93	0	0	0	4	1	0	0	0	5
San Francisco	0	0	0	0	9	10	52	0	22	93	0	0	0	0	3	14	28	0	45
Santa Clara, [Gould]	0	0	0	5	0	3	0	57	28	93	----	----	----	----	----	----	----	----	----
Union Ranche	0	0	0	1	74	5	2	8	3	93	6	0	0	17	5	0	0	0	28
MEXICO—																			
Cordova	0	15	2	3	0	4	4	3	0	31	----	----	----	----	----	----	----	----	----
WEST INDIES—																			
Nassau, Bahamas	0	1	5	12	2	1	0	0	0	21	----	----	----	----	----	----	----	----	----
St. George's, Bermuda	12	3	4	14	14	29	42	6	0	124	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Guatemala	9	86	1	1	1	7	0	6	12	123	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Catharina Sophia, Surinam	3	18	8	27	5	1	0	4	0	66	0	16	14	31	0	0	0	0	61

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Montreal	4	15	2	4	7	30	10	15	8	95	3	16	1	4	5	22	9	11	65
Red River Settlement	10	1	0	1	23	7	12	6	29	89	0	0	1	0	8	4	10	3	26
St. John's	1	4	0	2	7	19	15	44	1	93	1	1	0	0	0	10	2	12	26
St. Martin	1	12	1	21	4	40	5	9	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	5	7	5	39	19	4	5	3	6	93	----	----	----	----	----	----	----	----	----
Toronto	0	15	4	18	1	13	1	36	5	93	----	----	----	----	----	----	----	----	----
Windsor	9	15	10	2	0	12	19	12	4	83	----	----	----	----	----	----	----	----	----
Wolfville	0	6	9	2	5	20	11	4	0	57	0	9	3	0	5	13	10	6	46
MAINE—																			
Belfast	6	0	10	0	16	4	25	1	0	62	----	----	----	----	----	----	----	----	----
Cornish	7	4	7	6	9	30	26	4	0	93	0	1	0	1	3	5	4	1	15
Cornishville	6	4	0	3	16	14	26	24	0	93	----	----	----	----	----	----	----	----	----
Dexter	2	11	9	2	11	25	12	20	1	93	0	0	0	0	0	0	0	1	1
Gardiner	----	----	----	----	----	----	----	----	----	----	1	7	0	5	5	16	2	6	42
Hartland, [Brown & Hall]	1	4	7	10	15	22	16	14	0	89	----	----	----	----	----	----	----	----	----
Hartland, [Marshall & Strickland]	0	11	0	0	0	16	25	34	0	89	----	----	----	----	----	----	----	----	----
Lisbon	2	5	0	4	50	5	5	22	0	93	5	2	0	2	16	1	9	5	40
New Castle	12	9	0	15	29	14	9	5	0	93	----	----	----	----	----	----	----	----	----
North Belgrade	10	5	5	17	30	7	10	9	0	93	----	----	----	----	----	----	----	----	----
Norway	0	8	0	10	11	34	0	30	0	93	----	----	----	----	----	----	----	----	----
Perry	0	0	0	0	8	49	7	28	0	92	0	1	0	0	0	16	14	14	45
Portland	9	6	8	8	21	9	16	10	0	87	3	0	0	2	8	6	13	4	36
Portland, [Adams]	14	9	11	20	25	2	7	2	0	90	----	----	----	----	----	----	----	----	----
Steuben	1	21	1	5	0	42	2	13	8	93	0	9	0	1	1	18	2	8	39
Topsham	1	2	0	10	24	16	16	24	0	93	----	----	----	----	----	----	----	----	----
Vassalborough	11	0	6	0	50	0	26	0	0	93	----	----	----	----	----	----	----	----	----
Warren	6	7	3	12	4	37	2	19	0	90	----	----	----	----	----	----	----	----	----
NEW HAMPSHIRE—																			
Mount Washington	1	9	0	9	3	11	11	44	0	88	3	0	3	5	1	0	0	0	12
Shelburne	0	0	21	0	0	0	40	0	16	77	0	0	1	7	0	4	16	18	46
Stratford	0	18	15	1	3	12	19	7	18	93	0	1	0	0	0	3	19	1	24
Stratham	5	2	1	23	11	20	22	9	0	93	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	10	0	1	28	24	6	8	12	4	93	4	0	0	0	6	9	16	13	48
Burlington	1	7	0	2	33	21	2	26	0	92	----	----	----	----	----	----	----	----	----
Craftsbury	1	3	4	4	27	16	14	11	13	93	2	1	2	1	8	14	20	13	61
Lunenburg	0	2	0	0	23	7	8	7	0	47	----	----	----	----	----	----	----	----	----
Rupert	----	----	----	----	----	----	----	----	----	----	1	0	0	1	5	40	8	0	55
St. Johnsbury	13	1	6	2	23	2	25	10	8	90	0	2	1	1	11	2	21	2	40
MASSACHUSETTS—																			
Amherst	0	1	4	22	8	11	10	27	0	83	0	4	0	5	0	8	5	1	23
Cambridge	6	8	11	5	4	18	12	5	17	86	----	----	----	----	----	----	----	----	----
Florida	0	1	5	6	0	22	44	15	0	93	----	----	----	----	----	----	----	----	----
Lawrence	0	14	2	16	0	37	0	24	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	19	3	3	2	40	0	26	0	93	0	10	2	3	3	31	0	23	72
Nantucket	1	22	1	7	4	30	5	8	15	93	----	----	----	----	----	----	----	----	----
New Bedford	6	9	5	9	5	34	5	19	1	93	1	1	0	0	0	4	4	2	12
Richmond	1	12	0	3	0	46	0	31	0	93	0	1	1	6	1	16	10	13	48
Westfield	7	5	11	13	9	11	16	21	0	93	----	----	----	----	----	----	----	----	----
Williamstown	0	0	6	5	10	3	6	8	55	93	----	----	----	----	----	----	----	----	----
Worcester	1	14	2	12	3	33	1	26	0	92	1	5	1	6	2	17	0	7	39
RHODE ISLAND—																			
Providence	2	9	6	5	8	23	4	24	1	82	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	5	13	0	8	9	9	6	26	17	93	6	9	0	6	6	5	4	9	45
Middletown	7	6	2	6	4	19	3	10	36	93	2	3	0	0	0	8	9	8	30
Pomfret	9	10	4	5	18	21	2	22	0	91	4	6	2	2	11	14	4	9	52
Saybrook	8	7	8	14	8	16	4	18	10	93	2	1	2	2	5	2	17	4	35
Wallingford	20	10	1	17	17	12	3	13	0	93	1	4	1	4	1	9	14	6	40
NEW YORK—																			
Baldwinsville	0	0	7	12	5	5	54	9	1	93	0	0	1	2	0	11	49	4	67

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Bellport	12	10	5	14	4	27	9	5	7	93	2	2	5	9	1	12	14	2	47
Beverly	6	9	9	15	5	30	0	21	0	86	5	5	1	10	4	17	3	6	51
Cazenovia	2	0	0	11	6	11	11	27	11	82	1	2	0	1	0	5	26	18	53
Great Valley	20	1	0	3	30	9	7	12	11	93	--	--	--					--	
Morrisania	9	7	17	19	4	14	20	2	1	93	4	0	0	3	2	1	4	1	15
Nichols	2	1	11	22	21	3	2	31	0	93	15	0	1	6	12	2	3	28	67
Ogdensburg	0	0	0	0	0	11	4	3	0	18	0	0	0	0	0	0	6	0	6
Oswego	3	10	12	17	11	5	26	8	1	93	--	--	--	--					
Penn Yan	4	0	0	3	41	26	12	7	0	93	--	--		--	--	--	--		
Rochester	7	8	1	4	8	23	22	19	1	93	5	2	0	3	5	9	11	16	51
Saratoga	0	2	0	8	1	31	3	3	0	48	0	1	0	7	0	32	3	4	47
Wampsville	0	0	10	13	12	8	47	3	0	93	0	2	4	10	9	7	33	3	68
Wilson	5	4	11	7	6	20	19	5	2	79									
NEW JERSEY—																			
Cinnaminson	5	22	5	12	5	10	7	22	5	93									
Lambertville	2	10	4	20	2	20	2	23	0	83									
Newark	3	16	1	11	0	18	6	7	0	62									
New Brunswick	4	9	18	11	10	4	18	15	4	93									
PENNSYLVANIA—																			
Bedford	0	0	0	2	13	2	8	1	49	75	3	0	0	0	11	7	17	5	43
Bendersville	0	4	13	11	5	20	16	1	0	70	--			--					
Berwick	4	0	43	3	3	8	26	2	1	90	0	0	4	0	4	3	5	0	16
Cannonsburg	0	4	31	1	0	10	46	1	0	93									
Carlisle	0	1	0	23	2	3	10	6	27	72	0	1	0	13	4	2	8	4	32
Chambersburg	4	15	5	16	11	6	20	4	12	93	4	9	2	2	6	18	15	8	64
Easton	6	9	0	26	5	5	1	35	5	92	--								
Fleming	1	0	5	24	0	21	14	28	0	93	0	0	2	6	1	4	21	21	55
Germantown	1	9	5	14	3	5	13	39	0	89									
Gettysburg	9	19	0	3	11	27	9	10	5	93	0	4	4	0	5	20	21	7	61
Harrisburg, [Heisely]	9	0	1	20	13	4	31	8	3	89	2	0	0	7	9	2	16	3	39
Harrisburg, [Hickok]	14	3	28	1	18	6	21	0	0	91	0	0	0	0	2	1	4	0	7
Lewisburg	4	12	3	10	18	13	3	4	26	93	1	0	1	2	4	5	7	7	27
Morrisville	1	11	9	8	9	18	7	4	26	93	1	9	1	6	2	16	15	2	52
Mount Joy	2	0	0	15	10	0	0	41	0	68	3	8	1	10	1	1	7	22	53
Norristown	0	4	12	11	13	12	26	3	0	81	1	2	4	5	2	18	14	3	49
North Whitehall	3	2	4	2	1	5	9	3	64	93	3	6	2	2	1	6	12	2	34
Philadelphia	2	19	8	16	7	21	6	14	0	93	2	7	3	4	10	8	4	6	44
Pittsburg, [Marine Hosp.]	12	1	7	11	10	13	14	19	6	93	4	2	1	1	8	15	11	1	43
Pocopson	8	10	6	1	6	28	13	8	0	80	4	7	2	2	3	10	11	4	43
Shamokin	0	2	13	6	47	1	24	0	0	93	0	3	56	3	1	2	2	1	68
Somerset	5	3	3	11	4	10	8	6	43	93	3	1	7	3	5	15	17	11	62
Worthington	12	3	17	12	5	17	8	1	17	92	5	5	2	5	4	15	18	7	61
MARYLAND—																			
Annapolis	9	18	4	15	22	14	2	4	5	93	1	6	0	0	0	22	0	1	30
Baltimore	16	8	6	12	20	6	6	10	2	86									
Bladensburg	6	12	4	6	4	10	1	5	0	48									
Frederick	3	20	4	3	9	16	9	5	24	93	0	4	0	3	7	5	25	3	47
Leitersburg	10	5	5	2	28	16	8	8	11	93	3	7	5	0	5	13	22	11	66
Leonardtown	6	18	12	15	3	20	8	2	2	86	1	5	1	0	1	2	15	8	33
Sykesville	18	7	11	9	13	8	20	7	0	93	1	6	5	5	4	8	36	3	68
DISTRICT OF COLUMBIA—																			
Washington	6	12	6	12	17	11	5	7	13	89									
VIRGINIA—																			
Crichton's Store	24	8	3	4	17	19	5	5	7	92	0	0	0	0	0	29	1	0	30
Fredericksburg	18	19	9	13	16	10	3	5	0	93									
Lewinsville	4	9	8	25	12	4	8	23	0	93									
Lewisburg	0	0	0	3	24	39	0	0	0	66									
Montross	3	12	11	5	4	5	9	0	38	87	9	4	6	4	4	2	3	3	35
Mont View	3	5	2	16	6	37	21	0	0	90	0	6	0	12	4	4	5	0	31
Mustapha	25	0	0	0	30	1	0	1	5	62									
Poplar Grove	0	4	31	1	0	0	19	2	36	93	0	6	0	3	7	15	17	5	53
Portsmouth	1	30	4	11	6	30	6	5	0	93									

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Betw en orth and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west	West.	Between north and w st.	Total.
VIRGINIA—Continued.																			
Rougemont	14	11	6	0	16	7	18	3	15	90	7	2	1	1	4	6	21	3	45
Smithfield	12	23	5	11	11	16	5	10	0	93	8	10	2	3	1	14	13	12	63
NORTH CAROLINA—																			
Chapel Hill	11	16	8	6	6	25	13	8	0	93	2	12	4	0	5	32	5	3	63
Murfreesborough	13	9	15	3	27	3	1	0	1	72	6	10	9	0	13	2	7	3	50
Raleigh	7	7	1	2	11	4	7	3	51	93	----	---	--	---	----	---	---	---	----
SOUTH CAROLINA—																			
Aiken	4	7	34	10	8	24	4	0	0	91	----	----	--	---	---	---	-	----	----
All Saints	17	5	3	5	39	11	11	2	0	93	5	1	7	1	11	4	11	7	41
Charleston	5	9	3	3	8	6	2	1	0	37	---	---	----	-	--	---	---	---	----
Columbia, [White]	6	6	12	8	14	8	7	1	25	87	0	1	0	0	0	1	1	0	3
St John's	3	24	2	18	1	18	3	14	0	83	3	3	0	0	2	2	6	11	27
GEORGIA—																			
Athens	3	12	9	0	0	3	3	14	20	64	0	0	5	1	0	0	4	5	15
Atlanta	0	0	30	22	22	12	2	0	0	93	----	----	---	---	---	----	--	----	----
Augusta	4	26	3	23	5	11	9	9	1	91	2	10	0	19	4	14	8	10	67
Clarksville, [Van Buren]	1	7	24	5	12	15	28	1	0	93	---	--	----	---	----	----	--	----	----
Covington	0	22	6	26	2	16	15	6	0	93	----	----	---	---	---	---	---	----	----
Savannah	3	34	3	14	20	15	1	2	0	92	1	1	0	1	1	0	1	0	5
Sparta	5	19	7	25	4	13	6	7	0	86	3	10	3	13	4	14	4	11	62
Thomaston	17	16	12	16	7	16	5	4	0	93	0	0	0	1	0	0	0	0	1
Whitemarsh Island	4	16	5	16	12	10	6	3	21	93	2	6	3	6	3	6	15	16	57
FLORIDA—																			
Alligator	2	3	6	16	12	13	7	0	34	93	11	2	4	2	10	3	12	4	48
Atsena	0	10	10	26	5	13	19	6	4	93	0	7	12	24	3	7	16	6	75
Belair	1	5	13	16	4	3	2	2	8	54	5	2	0	5	7	12	10	1	45
Jacksonville	0	27	1	22	3	35	1	3	0	92	0	13	6	14	1	29	12	0	75
Micanopy	3	8	8	39	7	7	5	6	8	91	0	5	0	0	1	4	1	3	14
St Augustine	0	32	1	29	1	14	1	15	0	93	31	1	28	0	12	0	12	0	84
Salt Ponds	3	0	10	19	19	8	1	0	2	62	----	----	---	----	---	----	--	---	----
ALABAMA—																			
Cahawba	30	7	1	14	26	5	0	10	0	93	----	----	----	--	----	----	----	----	----
Carlowville	0	8	20	24	11	16	11	3	0	93	1	6	15	17	6	6	3	1	55
Greene Springs	10	4	32	9	3	3	6	5	0	72	4	1	5	4	2	1	3	4	24
Greensborough	11	3	7	32	10	3	6	10	0	82	7	2	3	18	2	5	17	6	60
Livingston, [Smith]	8	8	14	10	14	7	3	18	7	89	--	---	----	----	-	----	--	---	----
Livingston, [Webb]	15	4	3	0	25	11	0	0	0	62	---	----	---	---	----	----	---	---	----
Montgomery	7	16	6	20	12	5	1	14	12	93	--	--	--	---	---	---	----	----	----
Selma	12	9	4	36	3	15	2	12	0	93	19	11	5	26	11	7	10	17	106
MISSISSIPPI—																			
Columbus	19	8	13	11	12	9	8	13	0	93	6	4	4	1	10	7	11	12	55
Natchez	21	18	3	11	8	18	3	11	0	93	4	17	2	2	0	3	2	12	42
Paulding	0	24	7	21	0	20	3	13	0	88	1	13	5	17	0	23	3	17	79
Westville	2	6	3	2	3	27	9	7	25	84	0	11	5	11	3	8	2	8	48
LOUISIANA—																			
New Orleans	0	5	0	33	0	35	0	20	0	93	----	----	----	----	----	----	---	----	----
Poydras College	9	4	0	29	49	0	0	2	0	93	---	----	--	----	----	---	---	----	----
TEXAS—																			
Austin, [Palm]	1	0	4	36	34	11	1	0	0	93	2	7	9	4	23	10	1	3	59
Austin, [Van Nostrand]	7	2	3	1	74	2	2	1	1	93	6	2	3	0	20	2	1	0	34
Burkeville	4	13	19	11	9	4	5	4	24	93	----	---	----	--	---	----	--	---	----
Dallas	3	8	14	45	8	4	8	3	0	93	----	----	---	---	----	---	----	--	----
Gilmer	2	2	0	9	30	9	3	6	0	61	---	---	----	---	---	---	----	----	---
Larissa	6	0	16	8	46	6	7	2	0	91	3	3	1	0	27	5	1	5	45
New Braunfels	1	0	1	25	41	5	3	1	0	77	0	0	2	0	7	2	2	1	14
Northern tier of counties	2	35	13	63	8	15	6	1	2	145	----	----	---	-	---	----	---	----	----
Port La Vaca	6	6	4	21	46	5	1	4	0	93	----	---	----	---	---	----	----	----	---
San Patricio	5	1	1	79	1	1	0	4	1	93	----	----	----	---	---	----	---	----	----
Sisterdale	2	9	4	25	41	3	6	3	0	93	----	----	----	---	--	----	----	----	----
Tarrant	6	0	47	1	30	3	3	1	2	93	---	----	----	----	--	----	----	----	----
Union Hill	0	3	1	4	60	16	5	0	4	93	0	2	0	1	50	1	6	1	61
Washington	9	3	6	5	48	6	6	0	9	92	----	---	----	---		----	---	----	----

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.							
	North	Between north and east.	East	Between south and east.	South	Between south and west.	West.	Between north and west	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South	Between south and west	West.	Between north and west.	Total.
TEXAS—Continued.																			
Webberville	8	1	2	3	47	4	0	0	15	80	6	0	1	0	1	0	2	0	10
Wheelock	12	7	8	2	53	1	9	0	1	93	----	----	----	----	----	----	----	----	----
ARKANSAS—																			
Arkadelphia	2	45	9	17	3	15	0	2	0	93	----	----	---	----	----	----	----	----	----
Brownsville	0	8	2	3	25	38	12	1	4	93	----	----	--	----	----	----	--	---	----
Buck Horn	8	13	9	16	3	15	1	28	0	93	---	---	---	----	---	----	--	---	----
Jacksonport	30	16	11	0	19	2	11	3	0	92	---	---	--	----	---	----	----	--	---
Perryville	29	6	0	3	44	5	1	5	0	93	---	-	---	---	---	---	---	----	----
Spring Hill	2	12	15	7	2	3	6	2	37	86	----	----	---	----	----	----	---	----	---
Waldron	20	10	29	7	5	8	11	3	0	93	---	----	----	----	----	----	---	----	----
TENNESSEE—																			
Glenwood	2	8	19	6	19	7	2	2	28	93	4	4	9	0	14	6	22	2	61
Memphis	13	6	10	11	3	8	8	13	21	93	----	----	---	----	----	----	---	----	----
Winchester	13	3	4	3	31	4	14	3	0	75	----	-	---	----	----	----	---	----	----
KENTUCKY—																			
Bardstown	4	21	3	2	18	17	10	6	8	89	1	9	1	1	2	20	17	7	58
Hardensburg	2	8	2	17	16	37	5	6	0	93	--	---	-	----	----	---	---	---	---
Lexington	1	13	5	31	9	9	4	12	0	84	1	4	0	1	2	28	7	5	48
Paris	4	25	1	19	2	24	3	11	0	92	4	5	1	1	6	6	21	5	49
Springdale	0	16	1	5	4	21	2	1	43	93	--	--	---	---	----	----	----	---	---
OHIO—																			
Avon	6	20	10	10	17	10	6	7	0	86	1	0	0	0	0	1	54	7	63
Bellefontaine	0	17	10	22	6	24	2	8	0	89	0	13	1	4	0	16	4	17	55
Bethel	1	13	7	1	2	24	7	1	0	56	---	----	---	----	---	---	---	---	----
Bowling Green	6	14	1	5	6	7	2	4	46	91	4	3	2	0	0	7	12	7	35
Cincinnati, [Harper]	0	28	9	14	5	22	10	2	0	90	0	0	0	0	0	1	0	0	1
Cincinnati, [Phillips]	4	0	2	6	5	16	11	14	35	93	1	6	0	3	1	16	12	18	57
Cleveland	19	9	3	19	25	4	1	4	2	86	6	1	1	0	1	3	10	4	26
College Hill	9	7	12	7	23	7	13	15	0	93	3	1	3	5	19	1	16	3	51
College Hill, [Hammett]	5	10	0	6	5	25	22	20	0	93	----	----	---	---	---	---	---	---	----
Dallasburg	7	15	5	7	10	18	22	9	0	93	---	---	---	----	---	----	---	---	----
Elk Run	8	11	4	7	7	22	15	16	3	93	0	1	0	0	1	8	4	5	19
Freedom	12	5	13	4	20	19	11	9	0	93	10	0	0	1	10	8	33	6	68
Hillsborough	2	10	0	7	6	15	2	21	0	93	0	0	0	1	0	23	1	4	29
Hillsborough	6	9	9	0	10	31	15	1	0	84	----	----	--	---	----	----	---	---	----
Hocking Port	1	17	0	17	3	14	34	5	2	93	----	----	----	----	---	----	----	---	----
Hudson	2	24	5	21	7	14	2	17	0	92	----	---	----	---	----	----	----	---	----
Jackson, (Monroe Co.)	7	5	1	1	6	2	0	0	29	51	----	---	----	---	----	----	---	--	----
Kelley's Island	6	12	16	7	8	22	4	10	8	93	0	0	0	0	0	0	1	1	2
Madison	12	2	2	2	8	8	12	9	37	92	3	0	0	0	2	1	6	1	13
Madison, [King]	9	8	1	8	7	5	2	12	13	65	5	1	0	0	2	3	4	10	25
Montville	4	15	0	30	7	18	1	16	2	93	5	4	1	1	2	6	2	10	31
Newark	13	18	4	5	19	21	6	7	0	93	----	----	---	----	---	--	----	--	----
New Lisbon	10	2	7	10	4	27	13	20	0	93	2	1	1	5	1	21	13	10	54
North Bend	2	4	11	8	13	11	10	2	32	93	---	---	----	----	----	----	----	---	----
Northwood	2	17	5	26	3	16	1	17	1	88	4	9	1	1	1	17	5	10	48
Portsmouth	7	16	5	4	7	27	3	24	0	93	0	11	0	0	0	34	0	11	56
Rockport	12	10	16	0	8	8	16	23	0	93	--	----	---	---	---	----	----	---	----
Savannah	6	14	0	18	3	38	9	5	0	93	5	2	0	0	1	27	15	14	64
Sharonville	22	2	12	9	3	3	30	12	0	93	----	----	----	---	----	---	---	---	----
Troy	0	0	12	0	5	5	44	0	27	93	2	0	6	1	5	8	19	0	41
Urbana	2	3	0	7	12	5	2	1	37	69	2	3	0	1	1	13	18	2	40
Welchfield	24	2	2	19	10	11	8	14	0	93	1	0	0	0	0	1	0	3	5
Westerville	14	12	3	0	18	20	13	10	1	91	6	7	1	0	9	12	15	8	58
MICHIGAN—																			
Battle Creek	5	10	13	6	8	8	10	4	29	93	2	1	2	1	0	11	25	4	46
Detroit	2	2	12	34	7	17	18	1	0	93	0	0	0	9	22	32	27	3	93
Fort Gratiot	4	33	0	11	10	25	7	8	0	98	3	9	1	4	3	11	12	12	55
Grand Haven	1	4	4	3	4	8	6	9	0	39	1	1	1	1	0	0	8	13	25
Grand Rapids	11	12	8	1	7	12	37	5	0	93	5	7	3	0	2	6	39	6	68
Lake George	1	8	0	7	2	9	16	20	26	89	----	----	---	----	--	----	---	---	----
Marquette	5	4	7	4	17	12	22	22	0	93	----	---	----	----	----	----	----	---	----

No. 45.—WINDS—NUMBER OF OBSERVATIONS, AUGUST, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Monroe, [Bowlsby]	1	5	6	17	1	24	6	13	20	93	0	0	6	2	0	0	5	0	13
Monroe, [Whelpley]	0	0	0	22	5	33	15	3	0	78	0	0	0	17	6	23	12	2	60
Monroe Piers, [Lane]	3	18	10	28	7	27	6	25	0	124	0	4	0	0	2	12	13	15	46
New Buffalo											0	0	6	0	1	14	32	9	62
Ontonagon	14	7	2	1	8	7	21	2	0	62									
Ottawa Point (*a*)	5	20	9	15	20	18	8	29	0	124	3	3	2	1	1	28	8	9	55
Otsego	4	5	4	6	5	17	1	8	37	87									
Thunder Bay Island	26	14	5	25	15	10	5	15	9	124	9	2	0	4	2	5	4	17	43
Ypsilanti	4	12	9	16	6	17	11	7	2	87	3	3	1	5	3	15	16	7	53
INDIANA—																			
Aurora	3	12	3	1	2	7	2	1	0	31									
Cannelton	10	5	12	17	4	9	14	18	0	89	6	2	6	4	3	12	11	7	51
Greencastle	31	6	4	12	13	8	2	0	11	87									
Logansport	2	21	2	15	0	30	4	18	1	93									
Logan-port, [Bartlett]	3	20	8	9	0	16	21	16	0	93	4	17	10	5	0	7	22	15	80
Mishawaka	2	7	4	6	4	37	29	4	0	93	0	5	4	5	3	22	36	4	79
New Albany	5	4	4	2	4	7	13	8	20	67	1	0	1	0	2	0	9	6	19
New Harmony	16	0	3	14	4	7	14	18	0	76									
Richmond, [Austin]	4	20	0	4	3	4	5	4	7	51	1	7	0	3	2	3	8	2	26
Richmond, [Haines]	2	9	28	16	2	20	6	7	3	93									
Shelbyville	21	9	18	14	8	9	8	6	0	93									
South Bend	0	0	2	6	1	5	56	5	18	93									
ILLINOIS—																			
Augusta	2	17	17	9	7	5	11	7	18	93	4	5	4	5	1	7	9	6	41
Aurora	9	15	3	11	11	17	11	16	0	93	3	6	0	2	1	10	22	11	55
Batavia	0	29	2	14	0	41	0	7	0	93	0	15	0	7	0	30	1	15	68
Carbon Cliff	4	4	19	0	11	20	29	4	2	93									
Chicago	1	27	5	18	14	18	7	12	0	92									
Dixon	1	13	5	20	14	26	10	4	0	93									
Edgington	1	13	1	7	8	38	0	25	0	93	2	7	0	4	2	41	0	19	75
Elgin	1	12	5	14	11	7	1	22	20	93	0	0	0	0	0	0	5	0	5
Manchester	19	18	2	12	22	2	12	6	0	93	10	13	2	7	12	3	10	4	61
Marengo	0	6	21	15	7	34	5	0	0	88	0	0	0	0	0	3	0	0	3
Napierville	4	14	4	6	4	19	6	12	24	93	2	7	3	0	2	1	13	5	33
Ottawa	0	17	7	11	4	11	6	13	2	71	0	4	0	2	1	3	0	4	14
Pekin	13	14	8	12	11	9	5	12	9	93	6	1	8	1	3	10	17	5	51
Peoria	2	30	23	1	4	1	31	1	0	93	0	0	1	0	1	0	3	1	6
Riley	1	12	10	6	7	4	8	10	35	93									
Sandwich	6	20	10	14	9	7	6	21	0	93	0	4	0	0	0	10	20	13	47
Tiskilwa	1	9	4	20	9	19	0	30	0	92									
Upper Alton	9	22	1	6	3	17	3	26	6	93	11	21	1	8	3	16	3	24	87
West Salem	2	10	6	11	13	6	2	9	34	93									
West Urbana	9	20	5	26	1	10	6	15	0	92	2	1	0	0	1	2	0	2	8
Wheaton	7	22	7	4	12	11	8	13	9	93	2	2	0	0	0	1	2	5	12
Willow Creek	6	12	11	15	18	5	16	6	2	91									
Winnebago	5	6	3	15	18	11	18	17	0	93	5	2	4	0	0	6	11	7	35
MISSOURI—																			
Augusta	17	11	22	9	11	8	6	7	2	93									
Bolivar	2	4	12	26	7	21	3	0	0	75									
Boonville	0	20	7	26	1	19	8	12	0	93									
Carrollton	1	7	9	8	8	25	20	15	0	93									
Cassville	6	3	6	10	6	2	5	10	45	93									
Dundee	6	12	9	9	24	5	20	8	0	93									
Emerson	10	6	12	8	15	3	6	10	2	72									
Farmington	19	2	1	1	22	19	16	13	0	93									
Greenfield	6	15	9	27	17	16	0	3	0	93									
Greenville	6	3	0	18	17	4	0	3	0	51									
Harrisonville	10	12	34	20	7	3	2	3	1	92									
Hermann	7	19	36	5	5	3	16	2	0	93									

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

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NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
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MISSOURI—Continued.																			
Hermansville	9	14	3	14	14	8	4	27	0	93									
Kirksville	3	15	17	34	13	1	1	9	0	93									
Lancaster	21	4	23	3	36	1	5	0	0	93									
Lexington	18	12	19	9	12	5	11	3	1	90									
Luray	20	13	7	24	11	1	0	15	2	93									
Paris	3	23	6	21	11	3	1	6	19	93									
Richmond	11	9	0	4	36	3	1	4	2	70									
St. Louis, [Engelmann]	16	16	20	10	7	4	11	9	0	93									
St. Louis [Fendler]	5	23	6	34	10	11	7	40	24	160	8	18	2	9	2	11	7	24	81
Stockton	0	4	23	7	23	7	12	3	14	93									
Trenton	28	5	1	8	24	9	6	5	0	86									
Tuscumbia	1	1	2	11	29	27	2	0	20	93									
Warrenton	2	23	18	16	6	7	11	10	0	93									
Waynesville	10	19	0	8	3	3	3	11	0	57									
Wet au Glaize	0	18	2	17	7	19	9	21	0	93									
WISCONSIN—																			
Appleton	8	22	0	0	31	29	0	3	0	93									
Bay City	1	31	1	1	9	43	3	4	0	93	0	5	0	1	0	11	2	0	19
Beloit	11	4	7	5	24	7	8	27	0	93	17	1	2	0	5	4	3	17	49
Burlington	11	15	4	9	28	7	8	11	0	93									
Green Bay	25	2	0	0	22	5	1	1	37	93	4	1	0	0	1	3	0	1	10
Janesville	7	8	9	5	4	13	16	7	3	72	0	0	0	0	0	3	7	5	15
Kenosha	0	7	22	20	18	5	12	4	2	90									
Lake Mills	7	5	2	7	28	18	14	12	0	93									
Manitowoc	3	8	3	11	18	17	14	19	0	93	1	1	0	0	0	3	12	4	21
Milwaukee, [Larkin]	4	10	14	13	5	8	24	6	6	90	2	2	1	1	4	1	18	7	36
Milwaukee, [Winkler]	7	15	11	19	4	12	10	15	0	93									
Otsego	1	9	7	12	4	27	13	20	0	93									
Platteville	10	1	6	17	12	3	14	30	0	93	3	0	2	1	6	11	21	21	65
Rocky Run	2	9	4	11	6	19	7	22	13	93									
Superior	12	22	18	19	12	17	20	4	0	124									
Wausau	11	2	1	1	10	14	23	9	22	93	11	9	3	0	2	5	9	8	47
IOWA—																			
Bellevue	11	11	3	10	9	10	26	8	0	88									
Border Plains	11	8	8	46	3	1	0	9	7	93	1	0	0	0	2	3	3	15	24
Burlington	0	21	2	25	0	10	0	24	2	84	3	6	1	1	0	7	28	9	55
Davenport	3	4	1	4	21	3	17	7	33	93									
Dubuque	4	3	3	10	10	10	5	11	35	91	3	3	3	3	2	9	19	12	54
Fairfield	0	10	1	18	0	6	0	19	39	93	0	1	0	1	0	0	0	1	3
Fayette Village	2	1	5	13	11	12	37	12	0	93									
Forestville	8	12	2	7	9	31	2	22	0	93	5	8	1	4	4	29	2	11	64
Fort Madison	1	19	0	17	0	24	2	22	8	93	3	3	0	6	0	9	21	13	55
Lyons City	9	15	6	6	21	7	17	7	5	93									
Muscatine	7	10	11	9	25	2	22	7	0	93	1	7	0	1	1	9	3	3	25
Pleasant Plain	2	15	6	16	15	12	0	17	10	93	1	0	0	0	1	8	13	4	27
Rossville	8	3	10	5	5	15	11	25	9	91									
MINNESOTA—																			
Beaver Bay, [Clark]	0	5	5	5	21	5	7	2	43	93	5	1	2	0	2	7	11	6	34
Beaver Bay, [Wieland]	5	13	2	1	7	10	9	11	35	93	3	1	0	0	0	0	0	1	5
Burlington	14	8	14	1	23	0	2	8	23	93	7	4	8	0	6	0	14	6	45
Chatfield	2	2	0	0	13	17	15	6	34	89	6	0	0	0	3	16	9	7	41
Forest City	4	6	8	2	15	3	8	12	35	93									
Hazlewood	1	0	5	2	19	17	10	31	0	85	1	0	3	0	4	0	5	7	20
Princeton	12	5	7	4	9	9	24	5	18	93	6	0	2	0	1	9	17	7	42
NEBRASKA—																			
Belevue	18	12	14	6	27	0	4	1	11	93	8	7	2	0	10	3	2	0	32
Elkhorn	1	19	17	26	17	1	2	8	2	93									
Kanosha	0	0	12	55	1	0	1	24	0	93									
Nebraska City	5	7	4	7	31	2	0	4	33	93									
Omaha	10	2	3	20	23	2	1	12	20	93	0	0	0	1	0	0	0	2	3
KANSAS—																			
Burlingame	8	2	10	37	1	1	0	2	32	93									

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KANSAS—Continued																			
Fort Riley	32	22	4	7	24	0	0	4	0	93									
Lecompton	0	0	0	39	0	14	0	40	0	93									
Manhattan	3	4	14	49	10	7	0	0	36	93	3	7	5	18	6	19	3	4	65
Manhattan, [Preston]	11	5	22	28	11	8	1	4	0	90									
Monrk (a)	0	11	0	10	2	14	0	11	14	62	0	9	0	3	0	14	2	7	35
Neosho Falls	4	8	9	20	2	8	0	1	11	93									
Spring Hill	9	25	21	10	8	9	0	9	2	93									
Wyandott City	2	28	7	28	0	4	2	10	3	84									
CALIFORNIA—																			
Auburn	0	0	0	4	36	52	1	0	0	93									
Crescent City	0	0	0	0	33	4	5	11	40	93									
Monterey	5	0	1	0	0	6	39	11	25	87									
Moquelumne Hill	0	21	16	6	4	24	18	2	2	93									
Sacramento	5	1	0	17	45	13	9	3	0	93	0	0	0	1	0	3	0	0	4
San Francisco	0	0	0	0	3	12	52	0	26	93	0	0	0	0	2	11	43	1	57
Santa Clara, [Gould]	0	0	0	14	0	0	0	43	36	93									
Union Ranche	2	1	0	2	64	1	2	12	6	90	0	0	0	14	11	1	0	0	26
MEXICO—																			
Cordova	0	14	2	2	0	6	1	6	0	31									
WEST INDIES—																			
Nassau, Bahamas	0	0	5	13	1	2	1	1	4	27									
St George's, Bermuda	1	2	4	13	28	69	5	2	0	124									
CENTRAL AMERICA—																			
Guatemala	14	51	1	1	1	29	1	8	17	123									
SOUTH AMERICA—																			
Catharina Sophia, Surinam	8	40	7	15	14	3	0	6	0	93	1	28	27	28	0	1	0	2	87

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Fort Simpson	7	19	5	17	5	0	7	30	0	90	2	0	3	1	1	0	1	1	9
Montreal	13	16	0	2	2	27	13	14	3	90	14	13	0	1	1	26	12	10	77
Red River Settlement	14	0	2	3	47	4	5	8	7	90	9	1	0	3	22	3	3	7	48
St John's	7	3	0	5	5	15	13	12	0	90	2	5	1	2	5	11	11	0	37
St. Martin	3	20	3	14	3	33	7	7	0	90	—	—	—	—	—	—	—	—	—
Stanbridge	7	6	4	20	11	13	23	6	0	90	—	—	—	—	—	—	—	—	—
Toronto	2	23	4	10	0	20	1	23	7	90	—	—	—	—	—	—	—	—	—
Windsor	1	6	13	4	4	18	15	3	17	81	0	0	0	0	0	1	0	0	1
Wolfville	1	5	18	2	0	16	19	7	16	84	0	1	0	1	4	9	15	4	32
MAINE—																			
Belfast	14	11	7	1	12	14	24	7	0	90	11	10	4	1	5	11	19	9	70
Cornish	11	11	2	1	8	31	18	8	0	90	0	0	0	0	0	1	6	2	9
Cornishville	10	11	3	2	11	9	22	22	0	90	—	—	—	—	—	—	—	—	—
Dexter	1	16	7	3	6	14	18	20	5	90	—	—	—	—	—	—	—	—	—
Gardiner	1	19	0	11	1	29	1	20	8	90	0	6	0	1	3	15	3	15	43
Hartland	0	14	0	0	0	16	25	34	0	89	—	—	—	—	—	—	—	—	—
Limington	7	17	0	3	2	28	13	20	0	90	—	—	—	—	—	—	—	—	—
Lisbon	15	8	0	4	2	7	20	15	0	90	10	8	0	1	12	2	18	6	57
New Castle	0	13	0	3	7	41	12	14	0	9	—	—	—	—	—	—	—	—	—
North Belgrade	4	22	1	6	13	12	7	25	0	90	—	—	—	—	—	—	—	—	—
Norway	3	10	0	14	2	26	1	34	0	90	—	—	—	—	—	—	—	—	—
Perry	2	19	0	0	0	21	7	28	0	77	2	4	0	0	0	11	5	9	31
Portland, [Adams]	12	7	0	10	37	5	9	10	0	90	—	—	—	—	—	—	—	—	—
Portland, [Willis]	7	15	3	4	5	11	9	13	0	87	1	0	0	0	1	6	10	8	26
Steuben	0	23	0	0	1	37	3	23	2	89	0	3	0	0	0	20	4	11	38
Topsham	2	16	0	0	1	22	29	20	0	90	—	—	—	—	—	—	—	—	—
Vassalborough	14	1	10	0	17	0	48	0	0	90	—	—	—	—	—	—	—	—	—
Warren	9	11	2	1	4	27	12	24	0	90	—	—	—	—	—	—	—	—	—
NEW HAMPSHIRE—																			
Claremont, [Chase]	7	7	16	11	9	10	19	10	0	89	5	1	7	4	6	3	24	11	61
Mount Washington	0	0	0	0	0	4	12	29	1	46	—	—	—	—	—	—	—	—	—
Shelburne	0	0	19	0	0	0	33	0	14	60	0	0	8	1	0	7	6	19	41
Stratford	0	14	11	4	2	15	15	3	26	90	0	0	0	0	0	7	18	0	25
Stratham	4	9	0	9	1	22	32	13	0	90	—	—	—	—	—	—	—	—	—
VERMONT—																			
Brandon	7	0	0	19	19	7	7	21	10	90	5	0	0	0	3	6	13	24	51
Burlington	10	2	0	2	26	20	10	20	0	90	1	1	0	0	6	4	32	12	56
Craftsbury	2	10	1	4	28	19	7	16	3	90	1	1	0	0	6	4	32	12	56
Lunenburg	1	4	13	1	31	14	18	8	0	90	0	0	10	1	0	4	6	0	21
Rupert	—	—	—	—	—	—	—	—	—	—	3	2	0	4	0	4	10	2	69
St Johnsbury	0	0	3	2	11	0	31	12	2	61	0	0	0	0	3	0	16	3	22
MASSACHUSETTS—																			
Amherst	5	5	3	20	2	3	5	34	0	77	1	3	1	3	0	6	5	9	28
Cambridge	1	15	8	5	5	22	7	8	15	86	—	—	—	—	—	—	—	—	—
Florida	3	7	3	2	0	18	37	20	0	90	—	—	—	—	—	—	—	—	—
Lawrence	0	29	0	0	0	34	0	36	0	90	—	—	—	—	—	—	—	—	—
Mendon	0	21	7	0	3	10	8	11	0	90	0	23	5	0	3	24	8	8	71
Nantucket	11	12	2	1	1	24	6	18	15	90	—	—	—	—	—	—	—	—	—
New Bedford	2	15	0	7	1	31	3	31	0	90	7	1	0	0	0	6	8	5	27
Springfield	12	8	0	0	13	5	25	14	0	78	—	—	—	—	—	—	—	—	—
Westfield	10	9	2	15	1	14	17	22	0	90	0	0	0	0	0	1	0	2	3
Williamstown	6	0	2	9	11	5	9	15	33	90	—	—	—	—	—	—	—	—	—
Worcester	1	24	1	13	0	24	1	26	0	90	0	6	0	1	0	13	0	11	31
RHODE ISLAND—																			
Providence	4	18	0	0	1	31	2	33	0	89	—	—	—	—	—	—	—	—	—
CONNECTICUT—																			
Columbia	1	21	0	0	9	9	4	31	15	90	0	17	0	0	8	11	3	10	49
Middletown	6	8	1	1	3	12	7	7	45	90	0	0	0	0	0	1	20	5	26
Pomfret	5	17	3	3	5	23	4	30	0	90	1	14	0	1	3	15	3	24	61
Saybrook	5	8	11	7	5	23	2	22	6	89	3	2	1	0	2	3	12	7	30
Wallingford	21	9	0	5	10	23	1	21	0	90	0	5	0	0	0	3	21	3	32

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK —																			
Baldwinsville	4	1	7	11	3	12	31	21	0	90	2	0	2	7	0	11	34	18	74
Bellpoint	10	14	5	4	8	28	5	12	4	90	3	4	5	1	7	7	6	2	35
Beverly	16	12	0	11	1	22	0	16	0	78	2	7	2	4	2	23	4	6	50
Cazenovia	2	0	0	11	11	11	12	40	2	89	1	0	0	9	4	7	20	35	76
Great Valley	14	0	0	2	29	11	10	14	10	90	---	---	---	---	---	---	---	---	---
Morrisania	0	16	3	9	15	15	19	13	0	90	1	6	14	5	4	3	1	0	34
Nichols	14	1	7	24	20	1	6	17	0	90	18	1	0	12	15	2	8	18	74
Ogdensburg	12	19	1	0	1	19	19	6	0	77	0	1	0	0	0	1	11	0	13
Oswego	5	13	10	15	9	7	22	6	1	88	---	---	---	---	---	---	---	---	---
Penn Yan	1	16	0	0	17	38	6	12	0	90	--	--	--	--	---	---	---	---	---
Rochester	2	15	3	7	6	14	16	24	3	90	2	8	2	2	2	11	9	20	56
Saratoga	3	16	0	2	4	35	6	3	9	69	2	18	0	1	3	37	5	2	68
Wampsville	0	0	15	3	6	11	51	4	0	90	0	1	14	2	6	11	40	3	77
NEW JERSEY —																			
Cinnaminson	12	16	4	4	6	14	9	20	5	90	--	---	---	---	---	---	---	---	---
Lambertville	8	10	6	4	3	16	4	24	0	75	---	---	---	---	---	---	---	---	---
Newark	4	21	0	5	0	21	2	7	0	60	---	---	---	---	---	---	---	---	---
New Brunswick	6	19	4	3	16	10	16	16	1	91	---	---	---	---	---	---	---	---	---
PENNSYLVANIA —																			
Bedford	3	0	2	5	5	0	12	1	62	90	15	0	5	7	7	0	24	6	64
Berwick	4	0	25	0	3	3	18	3	2	58	1	0	3	0	0	0	3	0	7
Camp onsburg	0	6	28	1	0	4	48	1	2	90	--	---	---	---	---	---	--	---	---
Carlisle	1	6	0	16	1	12	11	8	31	86	0	0	0	10	1	18	11	2	42
Chambersburg	5	1	15	8	7	11	25	1	17	90	3	7	1	4	8	13	33	5	74
Easton	4	17	0	20	0	5	5	34	2	87	---	---	--	---	---	---	---	--	---
Fleming	0	2	15	8	0	20	18	26	1	90	1	3	4	5	1	7	28	18	67
Germantown	3	6	3	9	6	8	16	35	0	86	---	---	---	---	---	---	---	---	---
Gettysburg	10	16	1	8	9	24	8	12	2	90	3	4	0	2	7	14	31	9	70
Harrisburg, [Hei-ely]	7	3	7	11	10	8	23	15	5	89	2	0	0	2	3	4	15	5	31
Harrisburg, [Hickok]	12	2	14	7	15	6	26	5	3	90	0	0	2	0	1	0	2	0	5
Lewisburg	17	9	3	3	6	9	9	3	30	89	2	0	1	1	3	0	2	8	17
Morrisville	4	7	8	11	10	20	7	4	19	90	1	3	7	8	1	22	14	8	64
Mount Joy	2	1	3	10	0	2	1	20	0	39	11	5	0	10	1	5	5	10	47
Nazareth	13	14	1	2	4	16	6	18	11	85	0	8	4	8	2	13	1	4	40
Norristown	0	4	11	13	4	5	36	5	0	78	0	4	9	7	0	4	30	0	54
North Whitehall	3	8	8	0	0	7	14	3	47	90	3	5	5	0	1	9	11	3	37
Philadelphia	2	22	1	2	2	28	11	22	0	90	0	3	0	0	1	8	13	6	31
Pittsburg, [Marine Hos.]	10	4	7	10	10	11	14	20	4	90	1	0	5	2	7	15	6	4	40
Pocopson	15	7	6	5	9	13	20	9	0	84	2	1	1	1	3	6	15	3	32
Shamokin	0	0	2	6	47	1	34	0	0	90	0	0	71	1	1	0	2	0	75
Somerset	3	1	2	13	3	11	18	11	28	90	1	0	0	7	5	9	41	6	69
Tarentum	5	4	2	1	9	12	10	3	44	90	0	0	0	8	4	12	33	4	61
West Haverford	0	19	4	9	2	13	4	9	1	61	1	1	1	2	1	0	7	9	22
Worthington	6	5	20	10	2	4	5	19	19	90	3	0	1	5	3	14	25	14	65
MARYLAND —																			
Annapolis	9	21	6	5	17	15	1	9	7	90	0	0	0	0	0	26	0	0	26
Bladensburg	5	5	7	2	3	7	3	9	0	41	---	---	---	---	---	---	---	---	---
Frederick	7	24	3	4	8	6	11	6	21	90	2	1	0	1	5	0	37	3	49
Leitersburg	3	3	2	7	17	15	24	13	6	90	4	2	3	4	3	11	31	17	75
Leonardtown	4	11	14	23	5	13	7	9	1	87	2	0	0	0	0	0	14	6	22
Sykesville	14	13	4	9	14	7	21	8	0	90	4	5	2	8	5	7	45	3	79
DISTRICT OF COLUMBIA —																			
Washington	8	13	3	7	20	8	1	22	8	90	---	---	---	---	---	---	---	---	---
VIRGINIA —																			
Crichton's Store	30	12	3	2	13	16	6	2	6	90	0	0	0	0	0	13	6	0	19
Cross Creek	---	---	---	--	---	---	---	--	--	---	0	0	2	1	11	17	27	4	62
Fredericksburg	11	20	14	9	15	12	0	9	0	90	---	---	---	---	---	---	---	---	---
Lewinsville	7	21	0	12	7	4	10	17	0	78	---	---	---	---	---	---	---	---	---
Lewisburg	0	0	0	9	0	74	1	6	0	90	--	---	---	---	---	---	---	---	---
Montross	3	9	13	3	5	6	13	7	31	90	6	1	3	4	4	6	18	5	47
Mont View	2	13	4	7	4	24	32	4	0	90	3	7	4	2	2	8	4	14	44
Mustapha	12	1	0	0	30	7	0	6	5	61	---	---	---	---	---	---	---	---	---

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total	North.	Between north and east.	East	Between south and east	South.	Between south and west.	West.	Between north and west	Total.
VIRGINIA—Continued.																			
Poplar Grove	0	0	27	0	0	2	33	3	25	90	2	6	2	2	1	19	18	8	58
Portsmouth	0	12	20	16	0	24	7	6	0	85	---	---	---	---	---	---	---	---	---
Rougemont	7	18	3	2	7	3	21	6	6	73	0	1	1	1	0	2	28	3	36
Smithfield	7	14	11	5	15	11	10	7	0	80	2	5	3	0	6	8	8	19	51
NORTH CAROLINA—																			
Chapel Hill	15	15	3	2	9	11	30	5	0	90	6	8	0	0	5	14	18	3	54
Murfreesborough	7	15	2	4	6	11	4	7	2	58	3	7	2	0	0	6	13	5	36
Raleigh	4	3	0	0	10	7	13	1	52	90	--	---	---	---	---	---	---	---	---
SOUTH CAROLINA—																			
Aiken	1	19	17	3	4	21	7	1	0	73	---	--	---	---	---	---	---	---	---
All Saints	19	4	8	1	42	5	9	1	0	89	1	0	2	0	3	3	10	1	20
Charleston	11	4	3	2	5	1	4	3	0	33			---	---	---	---	---	---	---
St John's	1	12	3	28	3	10	4	24	0	85	1	2	0	0	0	5	12	6	26
GEORGIA—																			
Athens	4	15	0	2	1	4	4	30	25	85	1	0	2	2	0	3	5	6	19
Atlanta	0	0	21	1	5	13	46	4	0	90	--	---	---	---	---	---	---	---	---
Augusta	2	26	3	5	3	20	29	2	0	90	3	6	5	2	1	23	4	3	47
Clarksville	4	12	9	0	7	21	30	7	0	90	--	---	--	---	--	---	---	---	---
Covington	1	1	10	4	0	21	6	34	0	92	--	---	---	---	---	---	---	---	---
Savannah	5	14	5	16	9	19	3	18	0	89	0	0	0	0	0	1	2	0	3
Sparta	5	21	7	8	3	22	8	15	0	89	1	8	1	3	5	16	7	10	51
Thomaston	14	27	5	4	7	3	7	13	0	80	--	---	---	---	--	---	---	---	---
Whitemarsh Island	6	13	2	16	9	7	14	8	14	89	2	8	0	5	2	6	8	10	41
FLORIDA—																			
Alligator	0	11	11	9	9	26	5	0	19	90	1	7	4	0	9	17	4	0	42
Atsena	1	31	4	5	2	17	18	9	3	90	1	15	4	6	2	14	9	10	61
Jacksonville	3	27	1	17	0	26	0	16	0	90	0	16	1	5	1	32	6	1	62
Micanopy	6	21	5	22	4	10	3	11	7	89	2	5	0	0	0	2	2	3	14
St. Augustine	4	27	3	20	2	19	0	15	0	90	2	25	2	18	2	17	0	13	79
Salt Ponds	3	15	20	11	7	3	1	0	0	60	---	-	---	---	---	---	---	---	---
Warrington	0	29	6	13	3	32	0	7	0	90	0	11	3	4	1	7	0	3	29
ALABAMA—																			
Cahawba	0	16	0	0	1	8	9	56	0	90	---	---	---	---	--	---	---	---	---
Carlowville	9	10	28	10	14	4	11	4	0	90	4	0	10	0	0	0	0	0	14
Greene Springs	7	2	16	10	1	1	16	4	0	57	2	0	0	0	0	3	3	2	10
Greensborough	6	2	4	22	5	12	8	29	0	88	1	2	2	11	2	6	12	6	42
Livingston	8	8	14	10	14	7	3	18	7	89	---	---	---	---	---	---	---	---	---
Montgomery	14	19	3	1	2	6	4	37	4	90	--	---	---	---	---	---	---	---	---
Selma	19	10	8	4	6	10	5	27	1	90	10	3	9	11	5	6	5	7	56
MISSISSIPPI—																			
Columbus	24	3	14	6	7	6	11	19	0	90	7	0	2	2	7	3	23	13	57
Natchez	17	23	3	8	6	20	4	9	0	90	0	4	2	3	0	14	1	16	40
Paulding	4	19	17	8	0	12	3	18	0	81	4	12	7	6	0	18	7	18	72
Westville	2	5	3	11	4	15	10	2	29	81	2	9	5	3	0	4	2	14	39
LOUISIANA—																			
New Orleans	0	19	0	38	0	24	0	9	0	90	---	---	---	---	---	---	---	---	---
Poydras College	24	0	0	5	39	3	0	12	7	90	---	---	---	---	---	---	---	--	---
Tickfaw Station	11	0	9	8	13	16	19	14	0	90	---	---	---	---	---	---	---	---	---
TEXAS—																			
Austin, [Palm]	0	0	9	15	20	10	3	9	0	66	1	0	1	5	18	5	2	4	36
Austin, [Van Nostrand]	25	0	8	3	37	3	6	3	5	90	5	1	2	3	20	2	1	1	35
Boston	5	9	11	9	40	6	5	5	0	90	---	---	---	---	---	---	---	---	---
Burkeville	10	11	7	7	2	10	4	6	33	90	---	---	---	---	---	---	---	---	---
Columbus	41	1	9	12	24	0	2	0	1	90	--	---	---	---	---	---	---	---	---
Gilmer	7	0	0	2	24	10	0	5	35	83	---	---	---	---	---	---	---	---	---
Gonzales	19	3	21	15	25	2	4	0	0	89	---	---	---	---	---	---	---	---	---
Greenville	11	3	15	18	20	1	21	1	0	90	---	--	---	---	---	---	---	---	---
Larissa	6	5	7	14	33	7	1	7	1	81	4	0	1	2	17	6	9	4	43
New Braunfels	18	8	5	28	18	0	9	4	0	90	1	0	5	3	5	1	0	0	15
Preston	4	0	14	8	24	5	4	0	21	90	--	--	---	---	---	---	---	--	---
San Patricio	16	1	0	72	1	0	0	0	0	90	---	--	--	---	--	---	---	---	---
Sisterdale	9	10	6	33	15	5	1	11	0	90	0	0	0	1	2	0	0	0	3

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
Tarrant	14	1	16	3	42	6	3	4	1	90									
Union Hill	15	1	2	9	48	3	11	0	1	90	8	0	0	1	39	2	9	0	59
Washington	15	0	3	4	32	0	1	4	31	90									
Webberville	10	1	6	2	29	0	4	8	24	84	1	0	1	1	13	0	7	0	23
Wheelock	26	1	6	0	50	0	4	0	0	87									
ARKANSAS—																			
Arkadelphia	10	30	7	18	6	11	0	8	0	90									
Brownsville	0	2	0	1	22	57	7	1	0	90									
Buck Horn	7	6	9	15	4	14	8	27	0	90									
Jacksonport	25	10	9	2	23	7	6	8	0	90									
Perryville	12	11	9	7	37	2	3	6	0	81									
Spring Hill	0	12	9	9	1	3	0	11	43	88									
Waldron	9	0	26	0	12	19	10	14	0	90									
TENNESSEE—																			
Glenwood	2	11	10	16	9	8	12	7	15	90	0	4	2	0	3	13	40	15	77
Memphis	23	2	5	7	8	6	7	8	24	90									
Winchester	21	0	3	4	25	3	23	10	0	89									
KENTUCKY—																			
Bardstown	2	12	3	14	10	15	7	14	10	87	0	1	0	1	1	30	7	12	52
Danville	8	16	5	6	11	20	6	12	0	90	0	3	1	2	2	23	15	14	60
Hardensburg	5	15	2	15	15	21	6	11	0	90									
Lexington	3	13	5	2	16	18	6	10	0	73	1	0	1	0	4	37	5	1	49
Paducah	10	6	0	0	8	0	0	5	0	29									
Paris	5	24	0	5	3	26	6	17	0	86	0	3	2	3	3	7	24	6	48
Springdale	3	16	5	2	1	17	6	2	38	90									
OHIO—																			
Avon	4	15	7	9	12	19	8	15	0	89	1	7	0	1	1	5	36	10	61
Bellefontaine	0	17	2	13	0	37	6	10	0	85	0	29	0	12	0	8	2	9	60
Bethel	5	13	6	8	3	15	10	2	0	62									
Bowling Green	1	6	5	2	7	14	4	11	37	87	1	3	0	1	0	8	24	5	42
Cincinnati, [Harper]	17	7	16	3	5	16	15	6	0	85	0	0	0	0	0	2	0	0	2
Cincinnati, [Phillips]	1	2	1	1	13	17	1	11	43	90	1	3	1	0	1	20	23	7	56
Cleveland	14	13	0	22	17	5	7	4	0	82	1	3	1	0	0	3	15	3	26
College Hill, [Wilson]	12	13	4	13	9	15	14	10	0	90	7	5	2	7	4	14	18	9	66
College Hill, [Hammitt]	7	7	0	4	2	22	27	21	0	90									
Dallasburg	7	8	4	3	6	17	27	18	0	90									
Elk Run	12	10	15	6	7	16	7	13	4	90	0	0	0	1	1	14	11	7	34
Freedom	12	0	4	9	19	17	14	15	0	90	6	0	0	0	3	9	51	8	77
Hillsborough	0	15	0	17	0	32	2	24	0	90	0	0	0	0	0	7	1	3	11
Hillsborough	2	13	2	4	2	10	14	10	0	57									
Hocking Port	1	21	0	12	3	24	19	6	3	89									
Hudson	6	14	11	7	4	19	7	18	0	86									
Iberia	0	18	1	3	4	6	4	10	0	46	0	3	0	0	0	1	0	4	8
Kelley's Island	7	9	9	13	7	14	12	12	7	90									
Madison, [King]	4	3	1	6	11	17	4	12	15	73	6	4	1	7	7	12	8	14	59
Montville	8	7	0	23	11	18	0	22	1	90	0	3	0	1	2	9	6	8	29
Newark	10	20	1	2	19	29	5	4	0	90									
New Lisbon	12	6	8	8	7	23	6	20	0	90	6	4	6	8	7	19	5	13	68
North Bend	5	9	10	17	9	2	3	1	32	88									
Northwood	1	5	2	12	0	14	10	20	0	64	1	0	0	0	0	9	12	7	29
Portsmouth	9	14	8	8	2	39	3	7	0	90	0	2	0	0	0	47	3	16	68
Rockport	12	7	20	3	2	17	19	10	0	90									
Savannah	7	3	1	6	0	30	17	26	0	90	6	1	0	1	0	25	12	23	68
Sharonville	18	4	11	0	6	13	34	4	0	90									
Troy	3	0	0	3	4	1	74	0	5	90	1	0	0	0	1	0	46	0	48
Urbana	1	5	5	15	5	9	11	6	33	90	1	5	0	2	6	14	30	12	70
Welchfield	13	6	0	21	5	20	7	18	0	90	0	0	1	0	0	0	0	1	2
Westerville	16	4	6	3	11	18	16	14	0	88	8	3	0	0	4	15	17	8	55
MICHIGAN—																			
Battle Creek	0	11	9	11	13	10	13	8	15	90	0	6	2	0	1	11	28	13	61
Corunna	2	7	7	5	6	4	13	2	1	47	2	2	1	2	5	5	9	0	26
Detroit	4	9	17	14	11	15	17	3	0	90	3	2	18	19	6	16	17	1	82

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MICHIGAN—Continued.																			
Grand Haven	3	13	12	18	4	12	13	15	0	90	2	5	2	2	0	6	12	17	46
Grand Rapids	7	8	13	2	13	18	24	5	0	90	5	5	3	0	8	6	58	2	87
Lake George	8	9	5	15	0	6	2	21	24	90									
Marquette	6	10	2	6	19	13	10	23	1	90	5	2	1	0	3	1	21	3	36
Monroe	1	5	5	12	2	31	5	7	22	90									
Monroe, [Lane]	4	12	9	19	4	36	7	28	1	120									
Monroe, [Whelpley]	8	9	11	11	0	25	12	14	0	90	4	9	7	4	0	12	9	10	55
New Buffalo											1	4	1	1	2	22	24	12	67
Ontonagon	2	9	1	0	26	0	15	6	0	59									
Ottawa Point (*a*)	5	24	8	15	14	21	9	24	0	120	4	3	2	1	6	26	16	5	63
Otsego	2	9	5	9	8	14	12	6	23	88									
Thunder Bay Island	19	8	14	27	19	5	10	15	3	120	11	5	3	8	7	5	12	31	82
Ypsilanti	8	11	11	5	3	19	16	9	0	82	1	6	1	2	0	17	9	8	44
INDIANA—																			
Aurora	1	2	0	0	3	6	13	4	1	30									
Cannelton	5	2	8	18	12	7	20	18	0	90	0	2	3	5	5	14	15	10	54
Greencastle	13	12	8	8	13	21	3	11	0	89									
Logansport	1	16	6	12	1	22	15	17	0	90	3	14	4	2	1	6	14	19	63
Logansport, [Bartlett]	1	16	2	17	0	34	4	16	0	90									
Michigan City	30	16	3	12	19	12	9	17	2	120	1	3	0	1	0	9	23	34	71
Mishawaka	1	3	3	26	5	15	26	11	0	90	0	3	3	25	5	14	26	8	84
New Albany	5	1	16	0	3	12	20	7	17	81	1	0	1	0	1	1	10	2	16
New Harmony	3	2	2	12	10	10	12	16	0	67									
Richmond	8	11	0	4	3	13	0	6	3	48	3	2	0	2	1	12	11	4	35
Richmond, [Haines]	2	17	21	9	0	17	6	10	8	90									
Shelbyville	22	5	7	8	17	8	13	10	0	90									
South Bend	0	1	4	3	4	4	45	0	26	87									
ILLINOIS—																			
Augusta	1	14	8	14	9	12	9	13	10	90	0	6	3	3	8	7	11	8	46
Aurora	10	16	7	9	16	13	10	9	0	90	2	3	0	1	1	23	15	7	52
Batavia	0	34	1	10	0	31	1	13	0	90	0	12	0	2	0	32	7	10	63
Bloomington	13	5	15	7	12	15	9	12	1	89									
Carbon Cliff	7	3	19	7	14	5	32	3	0	90									
Chicago	0	26	4	18	6	21	4	11	0	90									
Dixon	6	8	2	25	4	12	26	7	0	90									
Edgington	6	3	5	14	4	30	1	27	0	90	7	3	5	3	3	38	4	20	83
Elgin	7	14	4	13	8	21	4	11	8	90	0	0	0	0	0	1	1	0	2
Manchester	19	8	4	5	29	8	16	1	0	90	19	7	2	2	17	9	15	1	72
Marengo	3	11	6	10	8	20	16	3	0	77	1	1	0	0	2	3	0	0	7
Napierville	3	16	2	4	1	12	2	5	5	50	7	6	0	0	3	4	7	3	30
Ottawa	0	24	0	9	3	20	1	14	3	74	0	3	0	1	0	10	5	7	26
Pekin	15	9	10	6	15	8	4	15	8	90	3	3	0	0	5	18	24	8	61
Peoria	9	24	11	7	9	5	19	6	0	90	1	0	0	1	2	1	2	0	7
Riley	3	8	1	9	9	8	5	14	16	73									
Sandwich	6	20	5	24	5	13	5	12	0	90	0	1	0	0	0	6	47	5	59
Tiskilwa	1	20	0	17	0	29	3	20	0	90									
Upper Alton	2	4	0	1	0	39	17	26	1	90	2	5	0	1	0	38	17	26	89
West Salem	7	5	1	9	14	6	8	7	33	90	0	0	0	0	0	14	40	1	55
West Urbana	10	14	5	11	4	21	3	22	0	90									
Wheaton	11	19	9	3	15	5	10	13	1	86	0	1	0	1	0	3	4	2	11
Willow Creek	6	12	14	8	20	10	4	12	0	86									
Winnebago	7	11	10	15	15	13	6	13	0	90	1	0	0	0	1	10	12	3	27
Woodstock	0	16	5	12	6	18	4	23	0	84	5	2	0	0	4	9	21	2	43
MISSOURI—																			
Augusta	11	24	19	9	7	2	2	16	0	90									
Bethany	7	0	2	10	21	13	10	6	6	75									
Bolivar	1	15	7	17	10	20	3	7	2	82									
Boonville	1	16	1	36	2	11	1	22	0	90									
Carrollton	17	0	0	7	15	25	21	5	0	90									

a It is uncertain whether, in recording the motion of the clouds at this place the direction toward which they moved was noted, or that from which they came.

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west	Calm or variable.	Total.	North.	Between north and east.	East.	etween south and east.	South.	Between south and west	West.	Between north and west	Total.
MISSOURI—Continued.																			
Cassville	8	0	1	7	16	2	2	11	43	90									
Emerson	5	0	4	9	8	20	12	14	0	72									
Farmington	13	5	4	5	26	16	9	12	0	90									
Greenfield	10	7	2	16	23	17	5	10	0	90									
Greenville	6	0	0	24	0	61	0	0	0	90									
Harrisonville	15	3	10	23	18	6	2	13	0	90									
Hermann	22	6	22	3	6	13	11	7	0	90									
Hornersville	15	4	1	7	18	10	5	30	0	90									
Kirksville	8	12	5	27	9	16	1	12	0	90									
Lancaster	22	2	15	3	26	7	11	4	0	90									
Lexington	14	8	9	10	21	4	12	12	0	90									
Luray	10	6	3	19	20	11	2	19	0	90									
Paris	5	15	2	17	3	20	2	16	10	90									
St. Louis	8	7	9	16	12	4	19	15	0	90									
St. Louis, [Fendler]	2	10	9	28	6	12	13	38	19	137	2	5	1	3	5	41	21	19	97
Stockton	0	9	10	5	10	11	8	7	17	77	7	1	4	0	10	3	11	4	40
Tuscumbia	0	0	2	11	26	34	3	1	13	90									
Warrenton	4	14	8	7	7	11	18	21	0	90									
Waynesville	10	14	0	1	4	22	14	25	0	90									
Wet au Glaize	9	0	0	21	19	17	3	21	0	90									
WISCONSIN—																			
Appleton	7	20	9	12	6	14	10	12	0	90	3	10	3	5	4	15	3	6	49
Bay City	1	18	0	0	21	36	4	10	0	90	1	2	0	1	0	10	2	2	18
Beloit	14	1	11	11	16	13	5	19	0	90	0	0	0	0	0	2	0	2	4
Burlington	14	17	5	15	5	15	6	13	0	90									
Green Bay	21	5	0	0	11	9	4	8	32	90	8	1	0	0	1	6	3	2	21
Janesville	11	14	7	16	7	16	7	10	2	90	0	6	1	1	1	12	12	5	38
Kenosha	8	8	19	10	21	6	11	5	1	89									
Lake Mills	2	5	4	12	31	11	10	15	0	90									
Manitowoc	9	7	6	14	14	11	10	19	0	90	0	0	0	0	0	2	11	1	14
Milwaukee [Larkin]	4	11	6	11	3	10	14	13	13	85	3	8	1	2	2	10	15	3	44
Milwaukee, [Winkler]	4	18	5	21	4	8	10	20	0	90									
Otsego	1	20	0	11	10	21	8	16	0	90									
Platteville	10	4	8	25	6	11	6	20	0	90	5	4	1	6	2	12	14	16	60
Rocky Run	1	11	2	17	1	13	11	22	4	82									
Superior	10	35	17	15	6	10	15	10	0	118									
Wausau	19	1	1	13	18	1	2	14	21	90	4	1	0	4	13	14	20	22	78
IOWA—																			
Bellevue	7	1	12	6	10	12	28	10	0	86									
Border Plains	5	2	0	43	6	3	2	28	1	90	2	0	0	0	3	8	4	6	23
Burlington	0	6	6	22	0	15	0	39	0	88	0	0	0	1	0	11	47	3	62
Davenport	11	1	4	5	16	6	10	9	28	90									
Dubuque	9	1	4	4	21	13	5	15	16	88	5	0	0	3	3	15	16	13	55
Fairfield	0	3	0	20	0	18	0	23	26	90	0	0	0	0	0	0	0	2	2
Fayette Village	1	2	19	10	10	12	16	20	0	90									
Forestville	9	7	4	20	11	8	8	19	3	89									
Fort Madison	4	11	1	26	1	19	4	22	2	90	7	0	0	5	4	20	16	5	57
Lyon's City	15	3	9	3	15	11	19	7	8	90									
Muscatine	10	9	7	6	8	7	27	16	0	90	0	0	0	0	0	6	11	3	20
Pleasant Plain	2	4	9	16	8	14	8	23	6	90	0	0	0	1	0	19	5	5	30
Rossville	9	7	4	20	11	8	8	19	3	89									
MINNESOTA—																			
Beaver Bay, [Clark]	4	19	9	1	3	9	10	8	27	90	3	1	2	0	5	15	20	7	53
Burlington	4	8	16	5	3	2	16	17	19	90	5	4	16	1	4	1	26	10	67
Chatfield	6	0	2	7	28	5	16	5	21	90	7	1	0	1	8	11	12	2	42
Forest City	5	4	2	17	14	2	7	4	35	90									
Hazlewood	0	1	4	6	27	6	4	28	0	76	0	1	6	0	4	1	4	1	17
Princeton	8	3	9	7	15	2	20	13	13	90	2	1	4	2	8	5	16	10	48
NEBRASKA—																			
Bellevue	26	13	0	0	28	7	6	3	4	87	7	4	0	0	6	9	1	1	28
Elkhorn	7	12	2	24	13	13	2	14	3	90	0	0	0	0	0	3	0	1	4

No. 46.—WINDS—NUMBER OF OBSERVATIONS, SEPTEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east	South.	Between south and west	West.	Between north and west.	Total.
NEBRASKA—Continued.																			
Kanosha	0	2	4	36	3	0	0	45	0	90	---	---	---	---	---	---	---	---	---
Nebraska City	10	4	1	10	28	6	10	6	15	90	---	---	---	---	---	---	---	---	---
Omaha	12	1	0	30	13	5	8	15	6	90	---	---	---	---	---	---	---	---	---
KANSAS—																			
Burlingame	23	0	4	30	6	0	1	6	20	90	---	---	---	---	---	---	---	---	---
Fort Riley	10	1	17	12	21	14	2	13	0	90	---	---	---	---	---	---	---	---	---
Leavenworth City	0	10	1	26	1	49	0	3	0	90	1	8	0	32	0	36	0	3	80
Lecompton	0	1	0	19	1	24	0	42	0	87	---	---	---	---	---	---	---	---	---
Manhattan	9	7	7	11	29	2	0	2	23	90	6	3	3	4	29	15	1	12	73
Moneka (a)	1	9	0	9	2	16	0	10	13	60	0	4	0	1	0	18	0	6	29
Neosho Falls	5	16	0	24	11	6	2	7	19	90	---	---	---	---	---	---	---	---	---
Spring Hill	10	6	5	26	2	14	5	18	4	90	---	---	---	---	---	---	---	---	---
Wyandott City	1	16	5	18	9	17	4	16	4	90	---	---	---	---	---	---	---	---	---
CALIFORNIA—																			
Auburn	0	0	3	17	23	43	4	0	0	90	---	---	---	---	---	---	---	---	---
Crescent City	2	0	0	0	33	1	4	18	32	90	---	---	---	---	---	---	---	---	---
Monterey	14	0	0	0	2	12	22	9	31	90	---	---	---	---	---	---	---	---	---
Moquelumne Hill	0	31	20	0	0	34	5	0	0	90	---	---	---	---	---	---	---	---	---
Sacramento	22	0	4	12	22	16	9	5	0	90	0	0	0	0	0	19	6	2	27
San Francisco	2	1	0	0	4	10	38	3	32	90	3	0	0	0	4	13	28	1	49
Santa Clara, [Frambes]	0	7	1	18	2	12	2	38	10	90	---	---	---	---	---	---	---	---	---
Santa Clara, [Gould]	0	0	0	19	0	0	0	43	28	90	---	---	---	---	---	---	---	---	---
Union Ranche	4	1	0	2	46	1	0	22	14	90	4	0	0	1	27	5	1	0	38
MEXICO—																			
Cordova	0	21	1	0	0	4	2	2	0	30	---	---	---	---	---	---	---	---	---
WEST INDIES—																			
St George's, Bermuda	5	14	4	8	24	41	19	5	0	120	---	---	---	---	---	---	---	---	---
CENTRAL AMERICA—																			
Guatemala	8	77	2	2	0	18	0	2	10	119	---	---	---	---	---	---	---	---	---
SOUTH AMERICA—																			
Catharina Sophia, Surinam	3	21	9	21	2	0	0	1	0	57	0	10	23	17	2	0	0	0	52

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Fort Rae	7	10	2	8	6	0	6	1	49	89									
Fort Simpson	8	23	1	20	0	1	9	31	0	93									
Montreal	4	5	0	2	2	16	28	31	5	93	3	2	0	2	2	19	26	20	74
Red River Settlement	14	0	6	2	28	4	22	6	6	88	6	0	1	0	3	2	20	6	38
St. John's	21	3	0	4	12	19	11	23	0	93	10	4	0	0	3	5	3	11	36
St. Martin	0	6	1	6	2	35	9	34	0	93									
Stanbridge	4	3	3	5	14	13	43	6	2	93									
Toronto	6	5	3	5	1	22	6	42	3	93									
Windsor	2	5	1	7	2	29	19	10	9	84									
Wolfville	3	2	5	0	1	17	42	11	4	85	4	1	2	0	1	12	47	4	71
MAINE—																			
Belfast	22	5	4	2	2	6	32	20	0	93	16	1	0	1	4	6	25	23	76
Cornishville, [Guptill]	13	3	2	3	1	16	19	36	0	93	0	0	0	0	0	2	0	0	2
Cornish, [West]	6	7	5	0	1	31	27	16	0	93	0	0	0	0	0	2	1	2	5
Dexter	5	8	1	1	6	17	14	38	3	93									
Gardiner	9	5	0	6	10	12	5	30	16	93	7	0	0	1	5	3	4	17	37
Hartland	5	6	1	3	0	12	20	43	0	90									
Lisbon	7	3	0	2	16	4	7	54	0	93	5	2	1	1	8	2	9	32	60
Limington	3	4	2	0	2	18	27	37	0	93									
New Castle	2	4	0	1	3	44	7	32	0	93									
Norway	5	3	0	8	2	20	2	53	0	93									
Perry	17	3	2	1	2	26	7	35	0	93	8	2	0	0	1	12	8	10	41
Portland	8	12	3	1	13	6	21	28	0	92	1	0	0	0	2	2	18	8	31
Portland, [Adams]	20	0	4	4	17	10	19	19	0	93									
Steuben	1	13	1	4	2	27	10	33	2	93	1	5	0	1	0	23	16	18	64
Topsham	3	4	0	1	2	22	16	45	0	93									
Vassalborough	14	0	7	11	13	8	40	0	0	93									
Warren	10	5	2	5	0	23	6	42	0	93									
NEW HAMPSHIRE—																			
Claremont	4	2	1	11	6	9	27	33	0	93	11	0	0	3	1	7	13	23	58
Shelburne	0	0	3	0	0	0	49	0	10	62	0	0	0	2	0	4	28	16	50
Stratford	1	6	3	0	5	11	30	14	23	93	0	0	1	0	0	0	21	3	25
Stratham	3	6	0	11	1	9	25	38	0	93									
VERMONT—																			
Brandon	3	0	4	12	12	10	6	39	7	93	2	1	0	0	1	3	4	43	54
Burlington	10	2	0	0	7	29	7	38	0	93									
Craftsbury	0	7	0	1	21	12	21	30	1	93	2	1	0	0	2	3	26	23	57
Lunenburg	1	2	2	1	4	22	44	17	0	93	0	1	1	0	3	6	27	1	39
Rupert											7	0	0	0	0	23	18	16	64
St. Johnsbury	12	1	0	1	18	0	30	29	2	93	1	0	0	0	4	1	9	11	26
MASSACHUSETTS—																			
Amherst	1	3	1	18	2	13	9	37	0	84	0	0	0	1	1	5	12	14	33
Bridgewater	3	7	0	1	3	20	16	43	0	93	3	11	1	1	2	17	12	24	71
Cambridge	2	12	4	1	9	22	6	17	17	90									
Florida	0	3	0	0	0	14	13	63	0	93									
Lawrence	0	9	0	3	0	30	1	50	0	93									
Mendon	0	8	1	3	3	29	18	31	0	93	0	8	0	4	0	24	12	25	73
Nantucket	4	9	0	2	3	23	5	40	7	93									
New Bedford	4	7	0	2	1	28	8	43	0	93	0	3	1	0	0	13	4	13	34
Westfield	4	5	3	11	4	22	26	18	0	93									
Williamstown	4	0	1	4	8	4	22	32	17	92									
Worcester	1	9	0	1	1	27	5	48	0	92	0	2	0	0	1	12	0	12	27
RHODE ISLAND—																			
Providence	4	8	0	0	2	30	7	42	0	93									
CONNECTICUT—																			
Columbia	2	4	3	0	0	14	13	47	10	93	2	5	6	4	0	9	3	22	51
Middletown	4	1	0	0	1	21	6	31	29	93	1	1	0	0	0	6	15	16	39
Pomfret	4	5	0	1	3	25	0	53	0	91	2	6	0	0	1	15	4	34	62
Saybrook	6	6	3	1	10	18	9	33	1	87	0	1	0	0	0	5	18	8	32
Wallingford	11	6	0	1	4	34	5	32	0	93	0	0	1	0	0	11	14	9	35
NEW YORK—																			
Baldwinsville	0	6	0	0	0	19	55	13	0	93	0	4	0	0	0	6	57	10	77

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Bellport	7	11	0	4	1	17	20	31	2	93	2	2	1	1	1	7	12	15	41
Beverly	5	5	0	2	4	36	0	32	0	84	5	2	0	1	3	21	11	9	52
Cazenovia	5	2	0	0	7	25	11	41	2	93	4	1	0	0	1	12	16	39	73
Charlotte	10	18	0	3	11	26	16	40	0	124	8	7	0	0	1	9	24	32	81
Fort Niagara	22	14	0	1	17	8	47	15	0	124	----	----	----	----	----	----	----	----	----
Great Valley	27	0	2	2	26	3	11	17	5	93	----	----	----	----	----	----	----	----	----
Hopewell	6	8	1	4	8	25	13	25	0	90	0	0	0	0	1	4	4	0	9
Morrisania	4	0	6	9	5	36	25	8	0	93	2	2	0	1	4	3	5	1	18
Nichols	15	1	8	10	23	2	6	28	0	93	14	1	0	0	9	8	9	35	76
Ogdensburg	0	4	0	2	1	35	18	17	0	77	0	0	0	0	0	0	5	0	5
Oswego	4	8	2	5	16	8	43	6	0	92	----	----	----	----	----	----	----	----	----
Penn Yan	0	10	0	0	14	23	29	17	0	93	----	----	----	----	----	----	----	----	----
Rochester	6	6	0	2	2	29	8	40	0	93	3	7	0	1	0	8	5	31	55
Sackett's Harbor	3	12	4	3	17	27	10	46	2	124	0	0	0	0	1	0	2	2	5
Wampsville	0	1	2	1	6	6	77	0	0	93	0	0	3	1	4	7	61	1	77
NEW JERSEY—																			
Cinnaminson	9	3	0	3	3	27	5	38	5	93	----	----	----	----	----	----	----	----	----
Lambertville	4	7	0	3	1	24	3	41	0	83	----	----	----	----	----	----	----	----	----
Newark	7	9	0	0	0	21	2	23	0	62	----	----	----	----	----	----	----	----	----
New Brunswick	2	6	1	0	5	15	27	36	1	93	----	----	----	----	----	----	----	----	----
Woodstown	0	7	1	5	1	18	31	29	0	92	8	4	1	1	1	9	22	16	62
PENNSYLVANIA—																			
Altoona	0	0	33	45	13	1	0	0	0	92	0	0	29	30	10	1	0	0	70
Bedford	3	0	0	7	0	4	10	20	22	66	3	0	0	4	0	2	15	27	51
Berwick	2	1	16	2	5	9	39	9	1	84	0	0	0	0	1	0	2	0	3
Cannonsburg	0	0	13	0	0	9	44	27	0	93	0	0	0	0	0	0	1	0	1
Carlisle	0	1	1	7	0	5	7	16	19	56	0	0	0	4	0	2	3	12	21
Chambersburg	9	0	1	2	0	9	50	15	7	93	4	0	0	2	4	9	27	18	64
Easton	5	10	0	10	5	8	11	41	0	90	----	----	----	----	----	----	----	----	----
Fleming	0	2	3	10	0	6	25	21	0	67	0	1	1	0	0	2	17	16	37
Germantown	0	2	1	1	5	13	14	55	0	91	----	----	----	----	----	----	----	----	----
Gettysburg	5	5	1	3	4	14	21	12	28	93	8	3	0	0	0	12	17	13	53
Harrisburg, [Heisely]	9	3	2	3	5	12	24	32	2	92	4	0	0	2	0	2	10	16	34
Harrisburg, [Hickok]	17	2	1	5	18	8	37	3	2	93	0	0	0	0	1	0	6	0	7
Lewisburg	7	9	1	5	17	15	13	11	15	93	0	1	0	0	0	0	7	9	17
Morrisville	5	9	2	1	4	30	9	17	16	93	1	7	0	1	0	20	11	14	54
Mount Joy	3	3	6	10	0	0	3	32	0	57	5	2	0	1	0	2	3	14	27
Nazareth	2	8	0	1	5	13	9	21	21	80	0	3	0	0	1	4	4	25	37
Norristown	0	0	9	5	0	11	42	11	0	78	0	0	1	2	0	12	26	7	48
North Whitehall	7	0	0	1	6	8	7	23	41	93	7	0	0	0	5	9	10	23	54
Philadelphia	3	7	0	3	5	24	12	39	0	93	0	1	0	0	1	5	3	10	20
Pittsburg, [Marine Hos.]	10	1	6	8	8	10	16	31	3	93	1	0	2	3	1	9	19	8	43
Pocopson	11	9	1	1	6	21	26	12	0	87	5	3	0	0	1	5	8	5	27
Sewickleyville	7	0	1	12	1	6	1	34	31	93	0	1	0	2	0	3	9	19	34
Shamokin	0	2	30	1	17	5	38	0	0	93	0	0	0	0	0	1	68	2	71
Somerset	2	0	0	4	4	4	24	23	32	93	2	0	0	0	1	6	37	17	63
Tarentum	4	1	0	0	0	14	25	9	39	92	2	0	0	0	2	4	33	19	60
West Haverford	4	6	0	0	0	23	4	21	4	62	4	4	0	0	0	5	15	12	40
Worthington	15	0	19	3	1	3	8	24	20	93	4	1	1	3	1	7	30	23	70
MARYLAND—																			
Annapolis	6	7	3	2	12	28	6	24	5	93	0	0	0	0	0	13	0	2	15
Bladensburg	4	1	0	2	0	8	3	19	0	37	----	----	----	----	----	----	----	----	----
Chestertown	0	7	0	8	0	5	1	56	1	78	1	3	0	0	0	4	1	4	13
Frederick	6	5	0	1	9	6	14	17	34	92	1	0	0	3	6	21	9	0	40
Leitersburg	6	0	2	1	9	26	22	20	7	93	13	0	0	0	1	8	17	22	61
Sykesville	3	2	3	12	9	13	31	20	0	93	0	0	2	7	3	6	44	4	66
DISTRICT OF COLUMBIA—																			
Washington	5	3	1	0	18	5	10	33	15	90	0	0	0	0	0	0	1	0	1
VIRGINIA—																			
Crichton's Store	18	5	2	4	8	21	7	17	10	92	0	0	0	0	0	6	0	0	6
Cross Creek	----	----	----	----	----	----	----	----	----	----	2	0	0	0	0	3	28	18	51
Fork Union	28	8	1	0	23	18	0	15	0	93	----	----	----	----	----	----	----	----	----

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Fredericksburg	49	12	3	9	0	4	0	14	0	91									
Lewisburg	20	10	0	5	13	28	5	11	1	93	0	0	0	0	4	22	14	10	50
Montross	1	4	8	8	11	16	13	7	22	90	3	0	4	2	2	1	3	1	16
Mont View	15	13	2	4	2	13	36	8	0	93	4	8	1	3	2	3	2	0	23
Mustapha	14	0	0	0	31	9	0	0	8	62									
Poplar Grove	0	2	15	1	0	3	25	26	21	93	1	0	0	0	0	5	16	18	40
Portsmouth	7	15	6	11	4	8	10	32	0	93									
Rougemont	24	10	1	1	9	1	28	4	5	83	0	0	0	0	3	0	26	2	31
Smithfield	17	6	5	4	12	15	5	21	0	85	3	1	0	1	3	16	13	0	37
Winchester	0	0	0	6	0	4	20	16	46	92	0	0	0	0	0	0	7	1	8
NORTH CAROLINA—																			
Chapel Hill	13	7	4	5	10	11	24	19	0	93	3	2	0	0	5	17	11	2	40
Davidson College	0	27	1	0	0	34	1	9	13	85	2	1	0	0	0	22	6	4	35
Murfreesborough	2	10	3	11	1	11	5	17	26	86	2	2	0	0	0	3	29	3	39
Raleigh	20	10	0	0	1	3	10	11	38	93									
SOUTH CAROLINA—																			
Aiken	5	9	13	1	1	12	0	0	0	41									
All Saints	35	5	10	3	20	2	13	4	0	92	3	1	0	2	1	0	12	1	20
Charleston	17	5	0	1	3	0	1	3	11	41									
St John's	7	22	4	11	4	9	1	29	0	87	0	0	2	3	0	4	10	1	20
GEORGIA—																			
Atlanta	0	0	21	14	0	2	29	27	0	93									
Augusta	11	30	6	3	5	16	3	19	0	93	0	2	0	3	0	17	0	2	24
Clarksville	11	12	10	2	2	11	27	18	0	93									
Covington	1	36	5	6	2	6	7	30	0	93									
Savannah	17	28	8	9	1	14	5	11	0	93	0	0	0	0	1	2	1	0	4
Sparta	2	42	4	7	4	13	2	16	0	90	1	1	1	1	1	6	14	4	29
Thomaston	31	28	7	3	1	7	5	10	0	92	0	0	0	1	0	1	2	1	5
Whitemarsh Island	16	30	1	6	0	8	4	11	17	93	1	5	1	1	0	12	1	10	31
FLORIDA—																			
Alligator	1	37	14	0	3	3	5	2	28	93	1	14	14	3	7	5	1	1	46
Atsena	23	46	6	0	0	3	5	9	1	93	12	24	5	1	0	4	0	7	53
Gainesville	14	29	11	3	1	8	0	20	0	86	1	1	0	0	0	3	3	0	8
Jacksonville	0	45	1	5	0	9	0	34	0	93	0	28	0	8	0	16	3	0	55
Micanopy	18	31	4	9	0	4	1	13	12	92	0	1	3	1	0	1	8	6	20
St Augustine	4	61	2	7	0	7	2	10	0	93	3	56	1	6	0	6	0	5	77
Salt Pond's	17	20	14	5	2	1	0	3	0	62									
Warrington	3	40	0	19	0	17	0	14	0	93	0	8	0	3	0	3	0	1	15
ALABAMA—																			
Cahawba	24	14	2	3	1	5	2	43	0	93									
Carlowville	4	16	30	19	3	9	6	6	0	93	3	10	9	2	1	3	4	3	35
Greene Springs	11	4	6	14	0	4	6	3	21	69	3	0	0	0	2	1	3	2	11
Greensborough	22	8	4	14	3	5	6	31	0	93	1	0	0	3	1	2	12	3	22
Livingston	30	6	8	1	16	2	1	18	10	92									
Montgomery	28	26	6	8	0	0	0	20	5	93									
Orville	46	3	3	13	22	2	0	4	0	93	6	2	5	2	6	6	3	8	38
MISSISSIPPI—																			
Columbus	35	12	7	6	8	2	7	16	0	93	5	0	0	1	6	5	6	6	29
Hernando	6	23	0	12	1	30	0	21	0	93	1	6	0	0	1	26	3	4	41
Natchez	34	36	4	8	3	4	1	3	0	93	2	2	0	7	0	11	6	8	36
Westville	3	3	3	12	15	13	6	3	9	67	0	4	0	6	0	8	2	2	22
LOUISIANA—																			
New Orleans	0	22	1	63	0	6	0	1	0	93									
Poydras College	17	3	6	4	54	5	1	3	0	93									
Tickfaw Station	28	26	11	4	9	3	4	8	0	93									
TEXAS—																			
Austin, [Palm]	23	4	10	11	8	12	9	16	0	93	4	3	0	4	5	15	4	3	38
Austin, [Van Nostrand]	35	6	5	1	17	3	22	3	1	93	2	2	2	2	6	5	2	0	21
Bonham	13	0	13	8	24	9	3	2	21	93	3	3	7	1	0	0	1	1	16
Bolton	31	13	8	11	14	3	7	7	0	93									
Burkeville	11	14	14	8	1	0	1	6	38	93									
Dallas	9	2	8	44	9	8	3	9	1	93									

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—																			
Gilmer	18	4	0	8	13	0	0	2	0	45									
Gonzales	28	16	29	8	10	0	2	0	0	93									
Greenville	12	7	12	23	17	0	22	0	0	93									
Larissa	17	13	9	12	15	6	3	3	3	81	2	1	3	4	5	6	8	5	34
New Braunfels	29	5	17	23	12	0	6	1	0	93	0	0	1	0	0	2	1	0	4
Preston	18	2	6	8	40	8	3	0	8	93									
Sisterdale	14	20	14	12	9	6	1	17	0	93	0	1	0	0	0	0	0	0	1
Tarrant	28	1	17	6	31	0	1	3	2	89									
Union Hill	46	4	6	5	24	1	1	0	6	93	17	0	2	5	21	0	6	0	51
Washington	38	1	2	7	15	0	1	1	28	93									
Webberville	30	14	1	4	20	2	1	3	11	89	1	0	0	1	0	2	1	0	5
Wheelock	53	2	8	1	28	0	0	0	0	92									
ARKANSAS—																			
Arkadelphia	4	48	3	14	1	16	3	4	0	93									
Bentonville	7	0	1	1	9	4	1	3	0	26									
Brownsville	3	13	0	0	4	24	11	28	7	93									
Buckhorn	22	9	0	3	5	31	4	19	0	93									
Jacksonport	33	10	13	6	22	3	0	3	0	90									
Perrysville	15	20	9	10	18	7	1	8	5	93									
Spring Hill	6	9	6	4	4	2	0	3	59	93									
Waldron	14	0	12	3	6	15	9	34	0	93									
Yellsville	7	0	1	7	18	3	2	12	43	93									
TENNESSEE—																			
Glenwood	10	14	6	16	8	10	3	12	14	93	7	1	0	0	2	11	17	5	43
Memphis	41	4	2	8	13	3	1	1	20	93									
Pomona	43	3	0	0	2	11	27	7	0	93									
Winchester	53	1	1	3	12	3	11	6	1	91									
KENTUCKY—																			
Bardstown	3	3	1	8	1	15	7	22	32	92	1	3	0	1	0	6	6	10	27
Danville	5	16	0	7	10	25	3	18	0	84	3	1	0	0	0	8	11	13	36
Hardensburg	12	8	1	13	17	23	1	18	0	93									
Lexington	5	1	7	14	22	9	16	14	0	88	3	0	1	0	1	16	12	4	37
Paducah	10	2	0	3	6	0	2	16	0	39									
Paris	8	7	0	2	3	33	7	30	0	90	1	0	0	0	3	4	26	3	37
Springdale	4	6	3	4	4	14	12	18	28	93									
OHIO—																			
Avon	6	6	2	9	12	21	18	19	0	93	3	1	0	1	0	3	32	24	64
Bellefontaine	0	7	3	21	4	17	5	36	0	93	1	14	1	22	2	5	0	8	53
Bethel	3	2	1	1	6	10	12	3	0	38									
Bowling Green	2	3	2	1	14	20	5	12	28	87	3	2	0	0	2	8	21	11	47
Brecksville	8	17	22	7	16	6	7	0	16	93	1	3	1	1	5	6	13	5	35
Cincinnati, [Harper]	8	5	7	0	15	9	19	21	0	84									
Cincinnati, [Phillips]	13	1	0	0	5	16	1	28	29	93	0	0	0	0	0	17	1	21	39
Cleveland	8	6	1	17	21	12	18	10	0	93	6	3	0	0	0	4	15	9	37
College Hill, [Wilson]	15	3	0	12	13	12	11	27	0	93	4	2	0	5	4	0	17	9	41
College Hill, [Hammett]	11	7	0	13	3	17	9	33	0	93									
Dallasburg	30	18	5	0	4	4	10	22	0	93									
Dudley	11	9	4	4	2	20	22	5	13	90									
Elk Run	7	6	4	9	12	19	14	16	6	93	2	3	0	0	0	10	7	9	31
Freedom	16	16	15	19	10	5	7	5	0	93	2	3	0	0	6	14	33	16	74
Hillsborough	1	9	0	16	1	27	0	39	0	93	0	0	0	0	0	4	0	0	4
Hillsborough, [Gamble]	2	2	1	0	3	6	23	2	0	39									
Hocking Port	5	9	1	2	6	28	22	16	1	90									
Hudson	8	6	5	7	10	25	21	10	1	93									
Iberia	4	10	0	8	10	19	8	31	0	90	1	5	0	0	0	0	1	2	9
Jackson, (Monroe county)	4	3	5	3	10	0	0	0	41	66									
Kelley's Island	4	4	2	10	15	14	17	21	6	93									
Madison, [Atkins]	8	1	2	3	15	6	9	19	11	74	3	1	1	0	1	0	9	3	18
Madison, [King]	3	6	1	4	5	10	14	24	21	88	3	7	1	2	3	9	16	26	67
Montville	6	8	0	13	14	29	0	23	0	93	2	2	0	0	0	4	2	12	22
Mount Pleasant	1	2	1	12	3	15	1	34	3	72									
Mount Union	0	2	0	0	0	13	2	22	19	58	0	0	0	0	0	2	5	9	16

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
Ohio—Continued.																			
Newark	8	8	0	6	11	39	5	16	0	93									
New Lisbon	1	3	0	10	6	26	13	34	0	93	1	3	0	7	6	14	9	21	61
North Bend	0	1	2	7	8	7	22	4	42	93									
Portsmouth	6	2	6	8	2	28	16	25	0	93	0	3	0	0	0	9	1	22	35
Ripley	0	0	0	8	0	0	1	13	30	52	0	1	0	0	0	0	2	2	5
Rockport	5	0	7	1	11	21	41	7	0	93									
Savannah	2	6	0	12	0	28	10	35	0	93	3	7	0	0	0	20	10	27	67
Sharonville	19	5	0	4	0	2	49	3	0	82									
Troy	5	0	3	0	5	0	77	0	3	93	5	0	0	0	0	2	32	0	39
Urbana	3	3	0	12	3	10	9	14	39	93	4	2	0	1	1	9	26	11	54
Welchfield	11	0	0	18	9	25	15	15	0	93	1	0	0	0	0	1	1	0	3
Westerville	23	2	1	2	15	17	12	18	0	90	1	1	0	0	4	5	14	7	32
Michigan—																			
Battle Creek	8	6	7	3	12	13	25	5	14	93	2	6	2	0	1	6	29	4	50
Detroit	0	0	2	16	9	41	23	2	0	93	0	0	1	4	16	40	27	5	93
Grand Haven	2	17	12	10	9	25	8	10	0	93	1	5	1	0	1	4	8	13	33
Grand Rapids	7	8	9	0	25	14	22	8	0	93	1	3	6	0	3	1	47	11	72
Marquette	1	15	4	3	2	16	8	43	0	92	0	3	0	0	1	3	16	10	33
Monroe	0	20	3	11	0	14	8	37	0	93	0	17	2	8	0	7	7	29	70
Monroe, [Bowlsby]	7	1	0	3	1	29	28	15	9	93									
Monroe Piers	2	7	1	16	13	50	13	21	1	124	3	0	4	4	1	3	10	11	39
New Buffalo											1	1	0	1	0	8	24	31	66
Ontonagon	15	9	0	0	2	13	14	5	0	58									
Otsego	4	9	0	8	7	21	10	11	22	92									
Ottawa Point	3	11	3	5	13	28	20	41	0	124	2	5	1	3	5	16	22	8	62
Thunder Bay Island	36	9	4	9	14	8	9	33	2	124	27	6	0	3	1	2	6	40	85
Ypsilanti	5	7	3	2	5	21	22	16	7	88	1	3	1	0	2	3	20	7	37
Indiana—																			
Aurora	1	0	0	0	7	8	8	7	0	31									
Cannelton	9	0	8	18	16	8	11	23	0	93	2	1	0	7	6	2	7	10	35
Greencastle	11	7	1	6	12	21	7	25	0	90									
Logansport	4	14	3	13	0	21	13	25	0	93	2	9	4	3	2	7	14	22	63
Michigan City	36	29	1	3	12	21	1	21	0	124	0	4	5	2	0	1	2	0	14
Mishawaka	3	4	2	7	4	20	38	15	0	93	2	3	2	7	4	16	33	14	81
New Albany	8	4	2	0	6	15	14	22	18	89	1	4	0	0	0	0	3	4	12
New Harmony	4	0	0	13	9	6	12	31	0	75									
Richmond, [Haines]	6	14	9	4	6	20	3	26	5	93									
Shelbyville	31	0	9	4	7	17	21	4	0	93									
South Bend	0	1	5	1	9	3	38	1	15	73									
Illinois—																			
Augusta	2	13	1	6	15	18	15	15	8	93	0	4	0	1	1	5	10	7	28
Aurora	11	8	1	2	21	19	11	20	0	93	6	1	0	1	1	10	21	10	50
Batavia	0	20	1	2	0	37	5	28	0	93	0	8	0	2	0	23	1	22	56
Bloomington	11	5	2	7	6	20	22	10	10	93									
Carbon Cliff	7	8	12	13	9	5	28	10	1	93									
Chicago	0	19	0	1	1	39	9	24	0	93									
Dixon	12	5	1	18	10	19	10	18	0	93									
Edgington	4	9	0	5	5	38	5	27	0	93	4	0	0	4	3	11	5	21	48
Elgin	13	5	1	7	10	16	4	23	14	93	0	0	0	0	1	0	5	4	10
Manchester	18	4	2	7	32	7	7	16	0	93	9	0	1	3	13	2	2	9	39
Marengo	3	5	5	15	6	11	28	13	3	92	1	0	0	0	0	0	1	1	3
Naperville	9	7	1	0	4	27	2	20	15	85	3	4	1	0	0	9	12	6	35
Ottawa	4	12	0	9	9	22	10	11	2	82	1	2	2	0	1	8	6	5	25
Pekin	16	7	4	7	25	10	4	17	3	93	3	1	1	1	3	2	17	9	37
Peoria	9	12	4	5	18	6	27	12	0	93	1	0	0	0	0	0	1	0	2
Riley	9	4	1	5	11	5	16	25	12	88									
Sandwich	15	12	1	6	15	10	11	22	1	93	0	0	0	0	0	1	28	13	42
Tiskilwa	5	6	3	8	3	31	2	35	0	93									
West Salem	7	8	2	12	16	10	5	15	18	93	0	0	0	0	0	3	30	1	34
West Urbana	11	9	1	12	5	20	1	34	0	93									
Wheaton	7	10	1	6	9	19	9	25	7	93	1	2	0	0	0	1	0	3	7
Willow Creek	13	4	10	5	14	10	18	11	0	85									

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Winnebago	14	10	0	10	12	20	9	18	0	93	2	0	0	1	0	6	9	10	28
Woodstock	11	4	0	0	6	30	11	26	0	88	10	2	1	0	2	2	26	1	44
MISSOURI—																			
Augusta	11	18	12	7	14	4	6	21	0	93									
Bolivar	13	10	0	7	9	26	8	3	8	84									
Boonville	3	15	1	15	4	28	1	26	0	93									
Carrollton	12	5	1	2	8	32	22	11	0	93									
Cassville	12	1	0	7	7	10	8	8	40	93									
Dundee	6	1	4	8	18	17	24	14	1	93									
Emerson	21	7	9	8	13	7	10	13	3	91									
Farmington	29	3	8	5	17	4	13	14	0	93									
Greenfield	3	7	4	14	16	34	4	11	0	93									
Greenville	6	0	6	18	0	12	1	50	0	93									
Harrisonville	9	9	9	16	18	16	1	15	0	93									
Hermann	21	4	12	6	13	9	14	14	0	93									
Hornersville	35	3	0	1	21	8	5	20	0	93									
Kirksville	11	13	4	16	12	19	8	10	0	93									
Lancaster	42	0	9	0	38	2	1	1	0	93									
Lexington	9	6	7	9	19	17	12	13	0	92									
Luray	5	6	1	7	8	22	3	33	8	93									
Paris	7	7	0	18	5	12	5	21	18	93									
Richmond	12	9	2	7	10	40	2	8	0	90									
St Louis	4	3	10	22	9	7	21	17	0	93									
St. Louis, [Fendler]	6	1	4	24	12	14	5	44	18	128	4	2	0	0	0	8	7	12	33
Stockton	9	4	7	5	7	14	5	11	8	70	0	2	0	0	7	8	13	2	32
Warrenton	3	8	1	17	6	17	11	30	0	93									
Wetau Glaize	14	1	0	21	13	22	12	9	0	92									
WISCONSIN—																			
Appleton	9	21	1	3	6	31	0	19	0	93	1	0	0	0	1	0	0	0	2
Beloit	13	0	0	14	12	14	16	24	0	93									
Burlington	8	7	1	12	10	14	10	31	0	93									
Delafield	2	3	6	7	14	16	4	28	1	81	3	2	0	0	3	5	8	8	29
Green Bay	21	5	2	1	8	20	4	10	22	93	3	5	1	0	10	8	2	1	30
Janesville	16	8	1	6	7	29	8	18	0	93	0	0	0	0	0	5	6	8	19
Kenosha	10	2	11	3	12	16	16	16	2	88									
Lake Mills	22	0	0	0	27	20	15	9	0	93									
Manitowoc	3	8	5	5	8	19	21	24	0	93	1	3	1	0	1	5	8	5	24
Milwaukee, [Larkin]	4	4	4	11	8	12	15	23	9	90	0	4	0	3	0	6	17	10	40
Milwaukee, [Winkler]	4	5	2	12	2	7	21	40	0	93									
Otsego	12	5	0	3	9	24	8	32	0	93									
Pardeeville	7	16	0	7	9	18	11	25	0	93									
Platteville	8	0	6	20	5	15	12	27	0	93	4	0	3	4	0	9	20	17	57
Rocky Run	4	3	2	7	2	22	6	36	11	93									
Superior	3	14	7	0	1	6	7	5	0	43	1	3	2	5	2	11	1	0	25
Superior City, [Stuntz]	9	16	7	12	11	26	18	25	0	124									
Wausau	32	1	1	9	6	7	9	10	18	93	5	0	1	1	3	14	23	25	72
IOWA—																			
Bellevue	9	3	5	7	11	14	25	19	0	93									
Burlington	1	5	0	16	0	25	3	29	8	87	0	0	0	0	0	3	31	8	42
Davenport	11	2	2	3	21	7	28	8	8	93									
Dubuque	23	4	1	4	22	7	1	13	18	93	0	3	0	0	1	11	6	17	38
Fairfield, [McBeth]	25	7	2	7	4	13	2	15	0	75									
Fairfield, [Shaffer]	0	3	0	10	0	20	0	31	29	93	0	1	0	0	0	0	0	0	1
Fayette Village	0	0	3	10	13	5	32	30	0	93									
Forestville	9	6	0	10	12	17	1	38	0	93	6	5	0	4	7	7	2	19	50
Fort Madison	3	11	0	8	1	33	1	35	1	93	7	1	0	1	0	6	15	8	38
Lyon's City	17	2	2	1	13	25	15	6	12	93									
Muscatine	15	2	3	12	8	9	16	28	0	93	0	2	0	0	0	3	1	2	8
Pleasant Plain	1	7	2	11	12	20	2	34	4	93	0	0	0	0	1	9	7	5	22
Rossville	4	6	6	3	12	17	10	30	5	93									

No. 47.—WINDS—NUMBER OF OBSERVATIONS, OCTOBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MINNESOTA—																			
Beaver Bay, [Clark]	7	9	7	2	13	5	11	10	29	93	9	4	3	2	1	6	11	14	50
Beaver Bay, [Wieland]	10	12	3	3	0	11	3	13	38	93	0	0	0	0	1	0	2	0	3
Burlington	21	11	4	3	7	7	12	19	9	93	8	4	6	0	2	3	27	12	62
Chatfield	5	0	3	7	17	5	18	17	21	93	3	1	1	0	1	5	11	7	29
Forest City	6	3	1	2	16	7	6	7	45	93	----	----	----	----	----	----	----	----	----
Hazlewood	3	0	0	1	27	3	5	36	0	75	3	0	0	0	1	0	0	1	5
Princeton	3	3	9	6	8	10	23	16	15	93	4	0	0	0	0	7	16	13	40
NEBRASKA—																			
Bellevue	25	5	8	4	34	3	9	4	1	93	4	1	4	0	4	0	4	2	19
Brownville	0	4	0	0	0	50	1	38	0	93	0	2	0	0	18	2	14	0	36
Elkhorn	11	10	1	16	15	16	5	19	0	93	0	0	0	0	0	0	1	0	1
Kanosha	1	7	6	17	1	2	4	55	0	93	----	----	----	----	----	----	----	----	----
Nebraska City	26	1	3	5	21	11	2	5	19	93	----	----	----	----	----	----	----	----	----
Omaha	4	6	1	11	11	25	5	30	0	93	----	----	----	----	----	----	----	----	----
KANSAS—																			
Burlingame	19	2	2	20	3	6	0	13	28	93	----	----	----	----	----	----	----	----	----
Denver City	5	7	3	3	10	2	5	5	53	93	0	1	0	0	0	0	0	0	1
Fort Riley	21	16	2	7	7	19	4	17	0	93	----	----	----	----	----	----	----	----	----
Lecompton	0	3	0	34	0	15	0	41	0	93	----	----	----	----	----	----	----	----	----
Manhattan	7	6	5	10	18	4	0	0	25	75	2	3	3	5	9	21	6	1	50
Neosho Falls	13	5	1	5	11	9	1	4	44	93	----	----	----	----	----	----	----	----	----
Spring Hill	1	18	3	25	0	19	0	24	2	92	----	----	----	----	----	----	----	----	----
Wyandott City	7	22	4	6	4	35	1	14	0	93	----	----	----	----	----	----	----	----	----
CALIFORNIA—																			
Auburn	0	0	0	14	5	54	0	20	0	93	----	----	----	----	----	----	----	----	----
Crescent City	3	0	0	0	20	0	1	27	42	93	----	----	----	----	----	----	----	----	----
Monterey	16	0	0	0	3	16	10	16	32	93	----	----	----	----	----	----	----	----	----
Moquelumne Hill	0	12	44	2	0	32	2	0	1	93	----	----	----	----	----	----	----	----	----
Sacramento	33	6	8	11	16	7	2	10	0	93	0	0	0	2	1	9	5	1	18
San Francisco	6	1	0	0	3	4	35	2	42	93	1	1	1	1	9	3	18	0	34
Santa Clara, [Frambes]	1	14	2	10	3	9	3	33	18	93	----	----	----	----	----	----	----	----	----
Santa Clara, [Gould]	0	0	0	5	0	0	0	30	58	93	----	----	----	----	----	----	----	----	----
Union Ranche	0	1	0	0	21	5	0	33	27	90	0	0	0	0	10	7	7	8	32
MEXICO—																			
Cordova	1	13	4	1	0	3	4	5	0	31	----	----	----	----	----	----	----	----	----
WEST INDIES—																			
St George's, Bermuda	17	20	14	7	16	18	13	19	0	124	----	----	----	----	----	----	----	----	----
Turk's Island	0	0	0	3	17	9	0	0	2	31	----	----	----	----	----	----	----	----	----
CENTRAL AMERICA—																			
Guatemala	5	72	7	0	0	19	0	2	18	123	----	----	----	----	----	----	----	----	----
SOUTH AMERICA—																			
Cathar'a Sophia, Surinam	4	39	14	26	9	0	0	1	0	93	0	24	28	24	0	1	0	0	77

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Fort Rae	7	6	11	6	0	0	0	12	46	88	....	....	....	....	....	....	....	....	....
Fort Simpson	2	0	2	32	2	0	2	45	5	90	....	....	....	....	....	....	....	....	....
Montreal	2	20	5	3	5	18	7	16	14	90	2	21	6	3	6	20	7	17	82
Red River Settlement	12	4	7	10	11	4	8	9	20	85	5	1	0	4	1	7	7	4	29
St. John's	31	4	2	6	5	12	13	17	0	90	4	14	0	3	0	2	5	4	32
St. Martin	1	34	3	13	3	23	4	9	0	90	....	....	....	....	....	....	....	....	....
Stanbridge	2	9	5	14	21	9	28	2	0	90	....	....	....	....	....	....	....	....	....
Toronto	1	17	6	11	2	24	5	21	3	90	....	....	....	....	....	....	....	....	....
Windsor	12	4	1	3	3	19	10	18	16	86	....	....	....	....	....	....	....	....	....
Wolfville	7	8	7	4	7	13	16	29	0	82	6	5	1	0	5	6	13	30	66
MAINE—																			
Bangor	1	5	0	17	4	24	3	36	0	90	....	....	....	....	....	....	....	....	....
Belfast	25	6	3	4	7	19	19	7	0	90	20	0	3	0	6	4	30	8	71
Cornish	6	3	12	4	7	33	19	6	0	90	0	0	0	0	0	1	1	2	4
Cornishville	6	2	1	6	15	17	21	22	0	90	....	....	....	....	....	....	....	....	....
Dexter	5	21	3	6	10	12	10	23	0	90	0	2	2	0	0	0	0	2	6
Gardiner	2	15	2	10	1	18	5	22	13	88	0	1	0	2	0	15	2	22	42
Limington	5	4	0	6	11	24	27	13	0	90	....	....	....	....	....	....	....	....	....
Lisbon	7	11	6	4	27	1	6	28	0	90	4	4	4	2	20	0	11	15	60
Norway	1	7	0	15	4	18	2	43	0	90	....	....	....	....	....	....	....	....	....
Perry	9	8	0	9	7	23	3	31	0	90	6	1	0	0	1	5	5	15	33
Portland	11	9	12	7	7	14	14	14	1	89	0	0	0	0	2	6	17	10	35
Portland. [Adams]	21	9	1	11	27	10	3	8	0	90	....	....	....	....	....	....	....	....	....
Steuben	3	22	0	5	0	36	0	15	9	90	1	7	0	0	0	28	0	9	45
Topsham	18	8	0	2	9	19	8	26	0	90	....	....	....	....	....	....	....	....	....
Vassalborough	8	9	4	1	5	18	24	14	0	83	1	3	1	0	1	14	18	15	53
Warren	6	9	1	3	10	22	5	34	0	90	....	....	....	....	....	....	....	....	....
NEW HAMPSHIRE—																			
Claremont	10	0	4	18	15	8	13	22	0	90	4	0	0	1	9	4	19	14	51
Shelburne	0	1	15	0	0	3	34	0	5	58	0	0	0	3	0	4	18	14	39
Stratford	0	12	12	1	10	8	17	10	29	99	0	0	0	0	0	6	11	4	21
Stratham	7	5	3	4	4	15	35	23	0	93	....	....	....	....	....	....	....	....	....
VERMONT—																			
Brandon	13	0	1	13	29	14	12	11	5	89	2	0	0	0	1	7	8	29	47
Burlington	7	2	1	2	5	31	1	39	0	88	....	....	....	....	....	....	....	....	....
Crattsbury	2	5	0	3	38	12	9	16	5	90	1	0	1	0	4	5	24	11	46
Lunenburg	2	3	6	4	8	16	42	7	1	89	0	0	2	0	1	3	22	2	30
Rupert	....	....	....	....	....	....	....	....	....	....	0	0	0	2	5	39	14	2	62
St. Johnsbury	16	0	0	0	30	0	12	20	3	81	2	0	0	0	7	2	9	1	21
MASSACHUSETTS—																			
Amherst	3	0	1	31	3	6	11	33	0	88	4	1	0	6	3	2	6	14	36
Bridgewater	5	9	2	4	9	25	18	18	0	90	5	6	1	4	6	13	17	12	64
Cambridge	11	4	2	3	12	15	5	10	23	85	....	....	....	....	....	....	....	....	....
Florida	0	0	0	11	3	8	44	27	0	93	....	....	....	....	....	....	....	....	....
Lawrence	1	9	2	8	0	28	0	42	0	90	....	....	....	....	....	....	....	....	....
Mendon	0	14	0	0	4	27	14	31	0	90	0	14	0	0	2	22	11	21	70
Nantucket	8	6	1	17	8	12	5	23	10	90	....	....	....	....	....	....	....	....	....
New Bedford	0	9	2	13	4	25	3	31	3	90	0	3	1	0	2	3	7	9	25
Richmond	0	10	0	9	0	28	0	43	0	90	0	8	0	7	3	27	0	19	64
Westfield	6	2	2	21	2	16	19	22	0	90	0	0	0	0	0	4	0	0	4
Williamstown	4	1	7	12	11	7	16	10	19	87	....	....	....	....	....	....	....	....	....
Worcester	11	4	0	10	6	25	8	21	4	89	0	1	0	1	3	6	1	5	17
RHODE ISLAND—																			
Providence	2	5	6	3	16	20	6	29	3	90	....	....	....	....	....	....	....	....	....
CONNECTICUT—																			
Columbia	1	4	0	10	0	14	1	43	17	90	1	2	0	10	0	11	1	27	52
Middletown	2	1	0	7	4	12	3	19	41	89	0	0	0	1	1	6	7	12	27
Pomfret	1	8	0	5	18	21	2	35	0	90	0	3	0	5	12	15	6	26	67
Saybrook	7	8	14	4	5	11	2	20	1	69	2	0	1	2	4	5	8	7	29
Wallingford	9	8	0	7	7	25	6	28	0	90	2	1	0	1	0	11	16	4	35
NEW YORK—																			
Baldwinsville	0	2	5	7	19	10	38	9	0	99	0	0	0	3	0	0	67	4	74

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—Continued.																			
Bellport	9	4	0	16	5	15	9	26	6	90	1	4	0	13	3	5	4	16	46
Beverly	2	6	0	9	10	32	1	11	0	71	1	2	1	8	8	13	11	5	49
Cazenovia	1	0	1	6	26	17	17	22	0	90	0	0	0	0	7	9	33	21	70
Charlotte	2	10	7	11	26	33	9	22	0	120	1	0	4	5	1	28	30	15	84
Fort Niagara	20	11	1	0	15	31	28	14	0	120									
Great Valley	11	1	3	0	43	1	18	11	2	90									
Morrisania	9	9	6	14	10	19	20	3	0	90	0	3	7	3	6	1	15	0	35
Nichols	5	0	4	16	35	1	12	17	0	90	6	0	0	5	24	1	15	26	77
Ogdensburg	1	14	5	4	9	21	3	12	0	69									
Oswego	5	3	6	19	18	6	24	9	0	90									
Penn Yan	0	3	0	0	32	26	19	10	0	90									
Rochester, [Dewey]	1	9	2	8	5	31	21	13	0	99	1	0	0	2	4	10	17	5	39
Sackett's Harbor	3	24	3	11	30	20	8	18	3	120	0	0	0	0	0	4	6	1	11
Wampsville	0	0	11	9	19	7	44	0	0	90	0	0	9	6	11	7	43	2	78
Wilson	4	11	7	10	4	27	13	12	2	90	0	1	0	0	0	2	6	1	10
NEW JERSEY—																			
Cinnaminson	10	16	1	6	5	15	6	29	2	90									
Lambertville	6	8	4	11	5	17	6	27	0	84									
Newark	3	15	2	6	1	11	5	17	0	60									
New Brunswick	0	8	14	8	5	10	22	23	0	99									
Woodstown	5	10	0	1	5	12	38	19	0	90	3	6	0	1	6	8	19	7	59
PENNSYLVANIA—																			
Altoona	3	17	60	10	0	0	0	0	0	90	6	9	43	8	1	0	0	0	67
Bedford	0	0	0	0	15	1	20	14	40	90	0	0	3	2	13	7	7	20	52
Berwick	5	2	30	1	10	5	32	5	0	90	0	0	0	0	1	0	0	0	1
Cannonsburg	0	0	26	3	0	15	46	0	0	90									
Chambersburg	7	2	13	5	3	4	54	1	1	90	1	0	4	3	12	3	27	2	52
Easton	7	18	0	15	6	8	4	31	0	89									
Fleming	1	0	12	16	0	10	24	26	1	90	2	0	0	7	0	4	20	16	49
Germantown	0	0	4	3	13	14	14	39	0	87									
Gettysburg	3	11	1	5	8	29	6	20	7	90	2	0	1	3	5	13	22	6	52
Harrisburg, [Heisely]	5	4	19	11	4	9	16	19	1	88	2	0	4	2	1	4	8	10	31
Harrisburg, [Hickok]	4	4	23	6	16	2	26	8	0	89	0	0	0	0	3	0	4	0	7
Lewisburg	4	10	1	3	11	16	15	6	24	90	1	0	0	0	0	3	4	6	14
Morrisville	2	5	14	9	3	19	9	21	8	90	0	2	9	1	1	16	18	14	61
Mount Joy	0	2	0	8	1	2	0	29	49	82	1	0	0	0	0	2	0	9	12
Nazareth	3	9	1	3	1	10	9	6	23	65	0	0	0	2	0	8	6	5	21
Norristown	0	2	13	11	1	6	43	2	0	78	0	1	9	3	0	2	28	1	44
North Whitehall	0	0	5	1	4	0	8	17	55	90	0	0	5	1	4	1	6	11	28
Philadelphia	1	24	0	5	4	19	15	22	0	90	0	3	0	0	0	7	7	1	18
Pittsburg, [Marine Hosp.]	5	0	5	24	6	15	10	22	3	90	2	0	0	5	1	13	12	2	35
Pocopson	7	9	5	2	11	11	25	7	13	90	2	0	0	2	1	6	16	4	31
Sewickleyville	3	1	2	23	0	1	6	18	36	90	1	0	0	1	0	2	3	20	27
Shamokin	5	6	10	1	27	1	40	0	0	90	0	0	0	1	3	5	63	1	73
Somerset	1	0	4	11	13	12	28	4	17	90	0	0	0	2	3	8	31	3	47
Tarentum	3	4	2	4	2	19	8	13	35	90	1	0	0	0	5	6	30	4	46
West Haverford	4	8	4	5	0	10	9	12	8	60	2	1	0	3	0	3	7	14	30
Worthington	1	1	27	3	0	10	19	13	16	90	0	0	0	0	0	14	40	3	57
MARYLAND																			
Annapolis	5	19	4	2	15	15	5	14	11	90	0	0	0	0	0	10	0	1	11
Bladensburg	0	11	1	2	0	11	1	14	0	40									
Chestertown	3	10	0	18	1	23	4	29	1	89	1	0	0	5	1	4	1	6	18
Frederick	1	18	1	1	8	7	19	8	27	90	0	0	0	1	7	2	18	0	28
Leitersburg	3	2	5	6	20	18	21	11	4	90	2	0	0	10	11	8	21	8	60
Sykesville	6	11	4	6	8	18	32	5	0	90	0	3	9	5	1	5	42	0	65
DISTRICT OF COLUMBIA—																			
Washington	3	19	2	3	18	8	6	18	13	90									
VIRGINIA—																			
Crichton's Store	16	12	5	0	16	21	6	4	1	84	0	0	0	0	0	1	1	0	2
Cross Creek											0	0	0	3	3	11	34	0	51
Fork Union	22	10	3	0	34	10	8	3	0	90									
Fredericksburg	49	8	3	12	2	10	2	4	0	90									

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
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VIRGINIA—Continued.																			
Lewisburg	10	7	2	2	13	10	2	7	7	90	0	0	7	1	0	11	8	2	32
Mont View	5	7	0	11	2	17	47	1	0	90	0	4	3	9	3	2	5	0	26
Mustapha	18	0	0	0	26	9	0	0	7	60									
Poplar Grove	0	5	15	6	0	3	33	11	17	90	0	0	0	3	1	5	19	7	35
Portsmouth	1	15	5	12	4	25	6	22	0	90									
Rougemont	8	17	4	1	12	8	9	2	1	62	0	7	0	0	2	3	4	1	17
Smithfield	15	11	3	6	15	19	7	10	0	86	1	7	0	0	1	9	14	8	40
Winchester	0	0	0	4	10	9	11	4	52	90	0	0	0	2	0	1	1	1	5
Wheeling	0	3	5	4	6	22	2	5	0	47	0	2	0	1	0	0	1	1	5
NORTH CAROLINA—																			
Chapel Hill	15	20	4	0	8	8	28	7	0	90	0	8	1	0	2	16	8	2	37
Davidson College	1	32	0	1	2	27	10	3	8	84	0	10	0	1	2	23	1	3	40
Murfreesborough	1	14	3	14	0	8	9	11	20	80									
Raleigh	6	4	2	0	8	7	13	4	46	90									
SOUTH CAROLINA—																			
Aiken	0	17	20	0	2	22	6	0	0	67									
All Saints	17	3	11	6	13	12	17	8	0	90	8	1	1	2	2	21	14	0	52
Charleston	9	7	4	4	1	7	2	5	14	53									
Columbia											0	1	4	0	1	1	0	1	8
St. John's	5	19	3	16	7	10	2	20	0	82	0	8	2	2	2	9	7	8	38
GEORGIA—																			
Atlanta	2	2	20	6	18	5	12	25	0	90									
Augusta	17	13	0	3	3	17	25	12	0	90	2	3	1	1	0	17	3	0	27
Clarksville, [Van Buren]	6	4	13	7	9	24	21	6	0	90	4	12	7	4	1	0	5	5	38
Covington	0	39	0	6	3	20	12	19	0	90									
Sparta	1	27	7	6	5	19	12	11	0	88	1	2	1	0	2	11	8	7	32
Thomaston	16	23	5	4	10	12	6	14	0	90	0	1	0	1	2	0	0	0	4
Whitemarsh Island	6	22	1	2	11	8	4	16	20	90	2	5	2	2	1	9	5	6	32
FLORIDA—																			
Alligator	1	24	11	4	0	10	6	9	22	99	0	13	1	2	1	5	4	2	28
Atsena	11	35	8	8	2	9	7	6	4	90	1	10	5	6	2	4	3	1	32
Gainesville	8	31	6	5	2	5	2	27	0	86	0	1	0	1	0	5	1	0	8
Jacksonville	5	24	2	3	0	18	5	31	2	90	2	21	4	2	1	10	0	3	43
Micanopy	17	20	1	11	6	3	5	4	18	85	0	0	3	0	0	3	0	1	7
St. Augustine	20	28	2	6	0	15	5	14	0	90	9	19	2	3	12	1	5	0	51
Salt Ponds	21	22	13	2	1	1	0	0	0	60									
Seville	0	7	1	1	2	4	0	3	9	27									
Warrington	2	28	1	23	2	17	2	15	0	90	1	8	0	14	1	8	0	0	32
ALABAMA—																			
Cahawba	15	10	1	0	22	5	7	30	0	90	21	3	1	9	0	2	0	0	36
Carlowville	8	3	39	5	13	4	7	7	0	86	0	0	2	0	0	0	0	0	2
Greene Springs	6	1	10	17	5	9	5	1	31	85	0	0	3	0	0	7	12	0	22
Greensborough	5	3	6	20	11	11	2	15	0	73	1	0	0	4	1	10	10	2	28
Livingston	10	1	2	10	38	8	7	9	5	90									
Montgomery	11	26	6	7	6	11	3	20	0	90									
Orville	23	15	3	17	3	13	4	12	0	90	3	1	0	3	0	7	8	11	33
Uniontown	0	0	4	1	0	14	2	8	16	45									
MISSISSIPPI—																			
Columbus	12	7	16	10	21	11	7	6	0	90	2	0	1	1	11	8	11	0	37
Grenada	10	0	0	0	61	6	0	10	0	90									
Hernando	1	8	2	13	0	55	1	10	0	90	1	2	1	0	1	31	1	3	43
Natchez	7	9	1	10	28	21	3	8	0	90	0	1	4	2	0	12	4	2	25
Westville	16	6	1	6	4	8	6	20	15	82	1	3	0	19	10	5	0	3	41
LOUISIANA—																			
New Orleans	0	77	0	2	0	8	0	3	0	90									
Poydras College	7	2	0	11	43	12	0	0	0	75									
Tickfaw Station	1	2	5	25	19	5	9	3	0	90									
TEXAS—																			
Austin, [Palm]	11	3	3	17	29	18	5	4	0	90	4	1	1	2	20	8	2	0	38
Austin, [Van Nostrand]	10	0	3	2	55	5	7	6	2	90	0	0	0	0	26	5	3	0	34
Bonham	12	0	3	9	30	23	5	1	7	90	6	18	1	1	1	1	1	0	29
Boston	7	0	14	7	39	11	6	4	2	90									

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TEXAS—Continued.																			
Burkeville	6	5	6	1	1	10	9	14	38	90	0	0	0	1	0	17	5	3	26
Cross Roads (*a*)	10	4	3	16	14	29	5	8	1	90	0	0	1	4	4	1	0	1	11
Dallas	3	0	0	10	45	16	10	6	0	90									
Gilmer	3	1	1	4	31	10	3	7	29	89									
Gonzales	20	1	1	1	54	5	7	1	0	90									
Larissa	0	0	3	15	28	21	2	11	4	84	1	0	2	1	10	16	4	5	39
New Braunfels	11	0	6	33	27	7	2	4	0	90	0	0	1	0	4	4	0	0	9
Preston	7	0	2	9	46	11	3	1	8	87									
San Patricio	16	0	0	59	11	1	0	3	0	90									
Sisterdale	13	9	4	16	25	11	5	7	0	99	0	0	0	0	0	5	0	0	5
Tarrant	16	0	7	9	44	8	0	6	0	90									
Union Hill	12	0	4	0	59	13	1	1	0	99	6	0	0	1	41	1	2	0	51
Washington	5	0	1	0	53	0	1	8	21	89	0	0	0	0	16	0	0	0	16
Webberville	8	1	1	3	50	9	2	5	5	84	1	1	0	0	0	0	0	1	3
Wheelock	15	0	2	0	68	0	4	0	1	90									
ARKANSAS—																			
Arkadelphia	0	15	0	5	11	43	1	15	0	90									
Bentonville	9	2	1	3	19	14	2	2	1	53									
Brownsville	6	4	1	11	21	34	9	4	0	90									
Buckhorn	3	2	3	13	25	28	4	12	0	90									
Jacksonport	7	1	20	11	29	2	6	11	0	90									
Perryville	11	5	3	5	37	8	5	9	6	89									
Spring Hill	5	1	10	7	16	8	1	4	36	88									
Waldron	3	1	0	13	29	32	7	14	0	90									
Yellsville	11	2	3	3	12	26	4	4	25	90									
TENNESSEE—																			
Glenwood	2	8	8	20	25	4	5	6	12	90	0	0	2	3	3	21	11	8	48
Memphis	4	1	2	14	30	3	8	5	23	90									
Pomona	17	0	0	1	5	19	43	5	0	90	1	0	1	0	0	0	0	0	2
Winchester	14	1	4	6	37	5	18	3	2	90									
KENTUCKY—																			
Bardstown	2	8	0	24	9	8	7	8	24	90	0	1	0	2	2	18	10	3	36
Danville	0	5	9	4	24	26	15	7	0	90	0	1	1	0	3	21	11	5	42
Hardensburg	5	6	4	11	16	35	4	9	0	90									
Lexington	3	6	15	15	24	7	12	3	3	88	0	1	1	1	8	13	8	0	32
Paducah	4	5	2	3	17	2	3	4	0	40									
Paris	2	7	4	19	13	26	14	2	0	87	0	0	2	0	5	2	27	0	36
Springdale	1	5	10	0	17	21	8	9	19	99									
OHIO—																			
Avon	2	9	1	9	23	26	5	15	0	90	0	2	0	1	2	18	22	13	58
Bellefontaine	1	10	5	19	1	27	9	17	0	89	0	18	6	7	0	7	0	15	53
Bethel	0	0	0	2	29	32	13	0	0	76									
Bowling Green	1	13	3	4	4	34	7	8	14	88	0	1	1	1	1	8	23	6	41
Brecksville	31	16	12	12	1	2	4	4	8	90	1	0	4	0	6	4	8	12	35
Cincinnati, [Harper]	2	6	22	10	9	19	16	4	0	88	0	0	0	0	0	1	1	1	3
Cincinnati, [Phillips]	5	2	0	0	10	12	3	16	42	90	0	5	0	0	0	23	13	2	43
Cleveland	5	4	4	21	24	8	18	4	0	88	2	0	0	0	1	3	15	2	23
College Hill, [Hammett]	1	0	4	17	11	32	23	2	0	90									
College Hill, [Wilson]	1	11	9	7	19	26	9	8	0	90	1	6	8	3	9	13	11	3	54
Dallasburg	14	13	11	18	4	14	8	8	0	90									
Elk Run	2	8	9	10	12	35	9	1	0	86	1	0	0	1	0	16	10	2	30
Freedom	7	2	9	3	17	24	25	3	0	90	14	0	0	0	0	8	37	2	61
Hillsborough	0	11	0	30	3	31	3	11	1	90	0	0	0	0	0	4	0	1	5
Hocking Port	0	2	0	2	12	60	8	4	0	88									
Hudson	5	2	12	13	11	15	23	3	0	87									
Iberia	4	9	2	14	14	16	2	15	0	76	0	0	0	0	0	1	0	0	1
Keiley's Island	0	6	11	10	17	15	17	8	6	90									
Madison, [Atkins]	0	1	1	3	8	2	11	4	12	42	0	0	0	1	0	0	3	1	5
Madison, [King]	1	6	0	17	19	22	9	3	8	85	1	4	1	20	16	21	10	5	78

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Montville	1	6	0	25	15	28	2	13	0	90	0	1	0	2	1	14	2	5	25
Mount Pleasant	0	1	4	5	2	6	3	40	6	67									
Mount Union	0	7	2	7	0	12	1	15	15	59	0	1	0	0	0	2	3	5	11
Newark	8	16	4	1	20	31	4	6	0	90									
New Lisbon	2	1	8	15	8	30	17	9	0	90	0	0	2	11	4	27	11	8	63
North Bend	2	1	10	10	11	12	26	0	18	90	1	3	2	0	0	1	4	0	11
Northwood	0	2	11	9	8	23	20	10	7	90	0	1	2	10	4	11	32	9	69
Portsmouth	11	1	12	13	6	32	8	6	0	89	0	1	0	3	1	24	2	15	46
Ripley	0	0	1	19	0	0	0	10	23	53									
Rockport	3	0	7	4	21	23	32	0	0	90									
Savannah	0	4	1	16	3	41	8	17	0	90	1	2	0	3	0	34	5	22	67
Sharonville	7	0	3	0	36	2	27	1	0	76									
Urbana	1	1	3	11	18	19	6	8	23	90	0	0	1	3	1	14	28	9	56
Welchfield	4	3	0	30	7	26	11	9	0	90	0	0	0	0	0	0	0	1	1
Westerville	11	3	0	2	31	18	16	7	0	88	4	1	0	1	10	8	19	4	47
Zanesville	2	0	0	4	25	21	13	20	0	85									
MICHIGAN—																			
Battle Creek	4	7	11	10	17	6	26	4	5	90	2	2	0	1	0	14	44	4	67
Detroit	0	0	8	19	2	26	30	5	0	90	0	1	6	15	10	19	30	9	90
Grand Haven	1	14	10	11	8	20	6	19	0	89									
Grand Rapids	10	8	12	3	23	12	13	9	0	90	3	3	9	0	0	10	54	8	87
Marquette	4	12	7	11	7	11	11	27	0	90	0	0	0	1	1	2	19	2	25
Monroe	9	16	13	15	0	14	9	14	0	90	9	14	11	9	0	2	7	11	63
Monroe, [Bowlsby]	4	2	10	6	12	22	15	12	7	90									
Monroe Piers	5	19	6	17	11	40	7	15	0	120	1	0	1	2	1	6	15	4	30
New Buffalo											2	3	4	5	1	11	34	14	74
Ontonagon	9	3	0	0	1	18	20	8	0	59									
Otsego	2	8	4	20	3	27	10	9	7	90									
Ottawa Point	14	8	8	9	16	30	13	22	0	120	2	8	3	1	2	19	20	5	60
Thunder Bay Island	14	10	9	16	25	13	3	28	2	120	3	5	3	5	2	4	10	45	77
Ypsilanti	4	7	11	6	3	33	12	6	8	90	3	2	4	0	0	12	19	2	42
INDIANA—																			
Aurora	0	1	4	0	9	6	8	1	1	30									
Cannelton	4	2	12	28	20	6	9	9	0	90	0	0	4	1	8	10	7	2	32
Greencastle	4	3	0	15	9	17	1	16	0	65									
Logansport	5	9	13	10	0	27	9	17	0	90	3	10	2	3	1	13	12	10	54
Michigan City	61	14	0	0	17	20	0	8	0	120									
New Harmony	1	1	4	10	16	18	5	19	0	74									
Patoka	3	5	2	0	7	2	29	5	37	90									
Richmond, [Haines]	1	2	18	12	14	19	13	8	3	90									
Shelbyville	5	6	12	8	15	11	23	10	0	90									
South Bend	0	2	5	3	2	19	25	2	0	58									
ILLINOIS—																			
Augusta	0	18	12	5	13	24	10	8	0	90	0	8	4	1	3	9	9	6	40
Aurora	7	12	3	14	18	10	14	12	0	90	0	0	0	0	3	13	29	8	53
Batavia	0	23	0	5	0	36	5	21	0	90	0	16	1	3	0	21	8	24	73
Bloomington	14	7	4	8	18	19	12	4	4	90									
Bruce	6	11	16	3	22	13	7	12	0	90	1	0	0	0	0	0	18	2	21
Chicago	0	20	1	6	0	37	7	19	0	90									
Dixon	7	10	14	15	9	13	11	11	0	90									
Edgington	1	17	3	18	0	29	4	27	0	99	0	10	4	19	0	26	1	23	83
Elgin	7	11	5	11	12	12	10	14	8	90	0	0	0	0	0	5	10	3	18
Galena	0	1	5	3	0	13	0	8	0	30									
Lebanon	13	7	6	7	13	16	2	14	0	78	0	1	0	0	0	0	0	0	1
Manchester	17	7	14	10	21	7	9	5	0	90	14	3	8	3	16	3	5	4	56
Marengo	2	9	4	19	17	19	19	1	0	90									
Ottawa	2	23	3	11	8	27	3	9	0	86	0	2	1	0	0	7	6	4	20
Pekin	12	13	6	5	26	12	2	13	1	90	4	10	1	2	4	15	18	4	58
Peoria	12	17	6	5	19	7	18	6	0	90									
Riley	5	10	3	7	8	14	8	11	6	72									
Sandwich	6	18	10	7	17	8	12	12	0	90	1	0	0	0	0	5	64	5	75
Tiskilwa	3	10	2	22	7	24	6	16	0	90									

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
West Salem	4	5	6	14	26	4	2	15	14	90	0	0	0	1	0	11	30	1	43
West Urbana	4	14	2	17	8	22	13	10	0	90									
Wheaton	9	11	10	5	13	15	10	15	1	89	1	0	0	0	0	1	4	1	7
Willow Creek	7	7	15	11	18	6	19	5	0	88									
Winnebago	8	13	4	11	16	10	16	12	0	90	0	0	0	0	0	12	7	4	23
MISSOURI—																			
Bethany	6	4	5	14	13	26	3	19	0	90									
Bolivar	3	1	1	7	3	41	3	6	11	76									
Booneville	0	23	6	11	3	27	3	11	0	84									
Carrollton	24	12	0	6	10	16	9	13	0	90									
Cassville	15	0	0	0	46	11	5	5	8	90	0	10	4	0	2	8	2	0	26
Dundee	6	9	16	10	18	10	13	8	0	90									
Emerson	10	10	15	16	20	10	5	3	0	89									
Greenfield	6	3	12	10	9	45	1	4	0	90									
Greenville	66	0	0	18	6	0	0	0	0	90									
Harrisonville	12	13	13	10	21	9	3	9	0	90									
Hermann	11	9	17	5	12	7	24	5	0	90									
Hornersville	3	1	1	6	39	14	5	20	0	89									
Kirksville	1	12	7	19	9	22	1	19	0	90									
Lancaster	4	2	13	3	21	4	35	8	0	90									
Lexington	23	6	8	7	22	4	9	11	0	90									
Paris	10	14	7	11	13	19	1	13	2	90									
Rhineland	1	7	12	6	4	12	6	20	0	68	0	0	1	1	0	4	3	4	13
Richmond	17	3	10	9	13	23	1	10	0	86									
St. Louis, [Engelmann]	8	4	13	20	14	4	14	13	0	90									
St. Louis, [Fendler]	12	17	10	31	21	12	13	23	8	147	3	3	1	4	1	20	19	10	61
Stockton	4	2	13	7	14	15	16	6	13	90	0	1	1	2	8	10	11	3	36
Warrenton	6	9	2	11	6	26	8	22	0	90									
Wet au Glaize	0	1	1	19	11	35	16	7	0	90									
WISCONSIN—																			
Appleton	6	19	0	6	5	35	4	15	0	90	0	2	0	0	0	1	0	0	3
Bay City	6	24	5	6	8	27	10	4	0	90	0	10	1	0	8	6	1	0	26
Beloit	22	3	3	5	15	19	11	12	0	90	0	0	0	0	0	1	0	0	1
Burlington	8	9	3	13	16	10	14	17	0	90									
Delafield	8	8	8	6	18	11	16	13	2	90	1	3	2	0	6	2	17	1	32
Green Bay	13	2	0	5	15	8	20	4	23	90	5	3	1	1	7	5	6	0	28
Janesville	4	6	2	7	6	11	3	9	0	48	0	2	0	0	0	5	10	7	24
Kenosha	2	4	11	13	9	15	23	7	2	86									
Lake Mills	8	7	4	5	18	26	14	8	0	90									
Manitowoc	6	5	2	11	12	11	15	28	0	90	1	1	0	2	0	12	9	8	33
Milwaukee, [Larkin]	2	10	7	11	4	24	11	10	11	90	3	5	0	6	0	16	14	5	49
Milwaukee, [Winkler]	6	9	6	9	5	18	10	27	0	90									
Otsego	4	18	0	11	7	24	9	17	0	90									
Pardeeville	7	12	5	12	16	12	11	14	0	89									
Platteville	5	9	8	21	12	5	21	9	0	90	2	6	8	7	4	7	32	9	75
Rocky Run	6	15	3	9	2	27	19	5	4	90	0	1	1	0	0	7	6	3	18
Superior	4	5	22	13	1	19	12	12	2	90	3	2	8	3	1	6	6	17	46
Superior City, [Stuntz]	6	12	22	12	8	25	31	4	0	120									
Wausau	8	4	11	15	13	12	4	13	10	90	2	1	1	8	5	17	8	2	44
IOWA—																			
Bellevue	10	8	9	9	15	8	14	15	0	88									
Burlington	0	11	5	17	0	23	2	21	1	83	0	1	0	1	1	5	23	9	40
Davenport	14	7	6	8	18	12	20	4	1	90									
Dubuque	19	4	3	5	27	4	1	15	12	90	1	1	1	8	1	8	17	16	53
Fairfield, [McBeth]	9	2	13	7	30	6	17	6	0	90									
Fairfield, [Shaffer]	0	4	0	14	1	21	1	28	21	90	0	2	0	0	0	0	0	0	2
Fayette Village	0	6	14	14	16	8	22	10	0	90									
Forestville	1	8	0	19	10	9	1	38	0	86	2	8	0	14	8	8	2	35	77
Fort Madison	3	15	1	16	0	29	1	21	1	90	5	1	2	8	0	10	12	17	55
Franklin	10	1	13	11	18	4	7	11	15	90									
Lyon's City	20	5	9	1	25	3	12	3	12	90									
Muscatine	0	14	3	17	12	19	13	12	0	90	0	0	0	0	0	14	2	0	16

No. 48.—WINDS—NUMBER OF OBSERVATIONS, NOVEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—Continued.																			
Pleasant Plain	4	12	13	13	7	23	4	13	1	90	1	0	0	0	2	16	4	7	30
Rossville	7	10	9	7	9	16	17	6	2	83	....	....	....	....	....	....	....	....	....
MINNESOTA—																			
Beaver Bay, [Clark]	3	14	15	0	3	8	22	10	15	90	0	15	3	0	0	3	18	14	53
Beaver Bay, [Wieland]	2	22	6	0	4	7	7	17	25	90	0	1	0	0	0	0	2	1	4
Burlington	11	6	27	1	7	9	8	18	3	90	3	2	16	1	2	4	27	22	77
Chatfield	4	1	7	10	19	3	15	16	15	90	1	0	2	2	4	13	4	6	32
Forest City	3	0	6	7	10	1	18	2	31	78	....	....	....	....	....	....	....	....	....
Hazlewood	1	0	2	22	16	1	5	43	0	90	0	0	7	2	0	0	4	8	21
Princeton	2	7	16	11	8	7	15	12	12	90	3	4	9	0	6	6	11	5	44
DACOTAH—																			
Greenwood	5	15	3	22	3	10	0	27	5	90	....	....	....	....	....	....	....	....	....
NEBRASKA—																			
Bellevue	33	12	8	1	28	4	1	3	0	90	9	5	5	0	8	5	1	2	35
Deer Creek	1	1	9	5	0	14	41	3	7	81	....	....	....	....	....	....	....	....	....
Elkhorn	7	12	5	22	5	12	4	21	2	90	....	....	....	....	....	....	....	....	....
Kanosha	0	2	10	25	1	2	1	49	0	90	....	....	....	....	....	....	....	....	....
Nebraska City	13	3	3	7	14	8	3	15	24	90	....	....	....	....	....	....	....	....	....
Omaha	14	12	5	7	14	11	6	15	6	90	....	....	....	....	....	....	....	....	....
KANSAS—																			
Burlingame	15	2	5	14	11	10	3	12	18	90	....	....	....	....	....	....	....	....	....
Denver City	0	0	5	2	12	5	0	16	50	90	....	....	....	....	....	....	....	....	....
Fort Riley	16	32	2	5	18	9	3	5	0	90	....	....	....	....	....	....	....	....	....
Lecompton	0	1	0	22	0	22	0	14	0	89	....	....	....	....	....	....	....	....	....
Manhattan, [Goodnow]	13	10	6	11	17	15	0	8	10	90	16	3	6	0	3	16	9	24	77
Manhattan, [Preston]	14	4	22	5	16	8	12	9	0	90	....	....	....	....	....	....	....	....	....
Neosho Falls	8	1	5	5	12	11	2	8	38	90	....	....	....	....	....	....	....	....	....
Spring Hill	2	15	13	17	4	20	3	16	0	90	....	....	....	....	....	....	....	....	....
Wyandott City	4	17	11	2	5	39	6	5	1	90	....	....	....	....	....	....	....	....	....
CALIFORNIA—																			
Auburn	0	0	41	7	34	0	2	0	3	90	....	....	....	....	....	....	....	....	....
Crescent City	5	3	0	0	36	5	7	13	21	90	....	....	....	....	....	....	....	....	....
Monterey	1	0	0	0	5	32	11	5	36	90	....	....	....	....	....	....	....	....	....
Moquelumne Hill	0	1	7	72	1	6	0	0	3	90	....	....	....	....	....	....	....	....	....
Sacramento	22	4	6	26	12	6	5	9	0	90	0	0	0	19	1	14	7	1	42
San Francisco	9	3	2	1	23	11	11	3	27	90	4	2	3	1	16	21	8	14	69
Santa Clara	0	18	0	38	6	9	0	15	4	90	....	....	....	....	....	....	....	....	....
Santa Clara	1	0	0	31	4	2	1	18	33	90	....	....	....	....	....	....	....	....	....
Union Ranche	0	0	0	0	51	1	4	23	11	90	0	0	3	3	34	21	12	3	76
MEXICO—																			
Cordova	0	15	0	4	0	7	2	2	0	30	....	....	....	....	....	....	....	....	....
WEST INDIES—																			
St. George's, Bermuda	19	17	21	13	12	19	13	6	0	120	....	....	....	....	....	....	....	....	....
Turk's Island, Bahamas	0	1	8	17	3	0	0	0	1	30	....	....	....	....	....	....	....	....	....
CENTRAL AMERICA—																			
Guatemala	2	99	1	2	0	4	2	0	9	119	....	....	....	....	....	....	....	....	....
SOUTH AMERICA—																			
Catharina Sophia, Surinam	2	27	16	30	8	1	0	0	0	84	0	13	28	36	0	0	0	0	77

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Fort Rae	13	2	15	6	6	0	6	0	39	87	----	----	----	----	----	----	----	----	----
Fort Simpson	22	0	2	37	4	2	1	11	0	79	----	----	----	----	----	----	----	----	----
Montreal	13	17	1	2	6	18	11	20	5	93	13	13	1	2	6	14	10	12	71
Red River Settlement	26	1	2	2	16	6	8	6	20	87	2	0	0	0	0	1	0	6	9
St. John's	16	14	2	8	10	18	6	19	0	93	5	13	1	1	2	2	6	1	31
St. Martin	0	36	0	16	3	24	9	5	0	93	----	----	----	----	----	----	----	----	----
Stanbridge	8	7	2	19	16	7	25	6	3	93	----	----	----	----	----	----	----	----	----
Toronto	6	23	0	0	0	28	9	22	5	93	----	----	----	----	----	----	----	----	----
Windsor	10	12	7	3	6	14	13	17	6	88	0	0	0	0	0	1	0	0	1
Wolfville	6	7	9	2	2	13	35	9	9	92	3	1	4	0	0	13	35	7	63
MAINE—																			
Bangor	1	19	0	34	2	3	0	34	0	93	----	----	----	----	----	----	----	----	----
Belfast	38	11	3	0	5	4	22	10	0	93	17	0	1	0	0	1	9	2	30
Cornish	25	6	4	0	5	19	23	11	0	93	0	0	0	0	0	1	2	0	3
Cornishville	15	14	0	4	3	6	13	38	0	93	----	----	----	----	----	----	----	----	----
Dexter	8	26	6	1	3	4	3	39	3	93	0	0	0	0	0	1	0	1	2
Gardiner	9	25	1	7	0	16	2	20	12	92	0	0	0	0	0	11	1	3	15
Limington	18	24	0	0	0	8	22	21	0	93	----	----	----	----	----	----	----	----	----
Lisbon	27	3	1	2	8	3	10	39	0	93	21	4	0	1	2	0	7	9	44
North Belgrade	15	21	1	4	11	4	1	29	4	93	----	----	----	----	----	----	----	----	----
Norway	4	26	0	7	0	6	2	48	0	93	----	----	----	----	----	----	----	----	----
Perry	6	18	2	5	1	10	6	45	0	93	2	8	1	1	0	4	4	11	31
Portland, [Adams]	28	15	5	5	17	6	6	7	3	92	----	----	----	----	----	----	----	----	----
Portland, [Willis]	22	22	1	0	2	11	21	14	0	93	1	0	1	0	3	8	5	3	21
Steuben	2	34	1	5	0	13	3	28	4	90	0	7	0	0	0	13	2	6	28
Topsham	62	5	0	5	12	1	0	8	0	93	----	----	----	----	----	----	----	----	----
Vassalborough	11	20	3	4	11	7	22	15	0	93	3	15	1	1	5	3	12	10	50
Warren	16	23	0	5	2	7	6	34	0	93	----	----	----	----	----	----	----	----	----
NEW HAMPSHIRE—																			
Claremont	11	4	9	19	4	11	14	21	0	93	2	0	0	0	0	4	9	13	28
Manchester	18	11	3	1	11	0	6	31	1	82	11	12	3	2	3	5	15	7	58
North Littleton	3	9	16	2	5	34	15	9	0	93	----	----	----	----	----	----	----	----	----
Shelburne	0	0	15	0	0	4	32	1	12	64	0	0	0	0	0	7	13	10	30
Stratford	0	11	13	1	8	10	14	16	20	93	0	0	0	0	0	3	5	7	15
Stratham	16	8	0	6	1	14	28	20	0	93	----	----	----	----	----	----	----	----	----
VERMONT—																			
Brandon	14	0	2	9	33	5	9	20	1	93	1	0	0	0	3	4	6	16	30
Burlington	11	18	0	1	24	11	3	25	0	93	----	----	----	----	----	----	----	----	----
Craftsbury	3	10	2	7	31	6	11	21	2	93	0	0	0	1	1	5	14	13	34
Lunenburg	1	0	2	7	10	8	35	19	0	82	0	0	1	0	3	1	0	0	5
Rupert	----	----	----	----	----	----	----	----	----	----	3	0	0	4	0	56	2	0	65
St. Johnsbury	39	0	1	2	24	0	4	12	9	91	1	0	0	0	0	0	3	0	4
MASSACHUSETTS—																			
Amherst	7	2	1	15	7	6	7	40	0	85	0	0	0	0	2	4	3	6	15
Bridgewater	6	17	5	1	4	19	3	38	0	93	6	16	5	2	4	15	4	25	77
Cambridge	15	7	6	2	11	9	13	15	14	92	----	----	----	----	----	----	----	----	----
Florida	1	15	3	0	6	13	12	43	0	93	----	----	----	----	----	----	----	----	----
Lawrence	0	27	0	1	0	15	1	49	0	93	----	----	----	----	----	----	----	----	----
Mendon	0	35	1	0	2	4	20	28	3	93	0	32	2	0	2	4	17	22	79
Nantucket	10	12	4	6	1	13	7	34	5	92	----	----	----	----	----	----	----	----	----
New Bedford	7	18	3	3	2	15	4	40	1	93	1	2	3	0	0	7	6	10	29
Westfield	13	12	3	11	2	8	13	31	0	93	0	0	0	0	0	0	2	0	2
Williamstown	0	1	14	12	5	7	8	24	17	88	0	0	0	0	0	0	0	1	1
Worcester	1	26	0	3	1	29	2	38	1	92	0	1	0	1	0	4	2	5	13
RHODE ISLAND—																			
Providence	6	18	3	1	2	15	10	38	0	93	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Columbia	1	19	0	3	0	15	0	11	14	93	0	18	0	3	0	14	0	14	49
Middletown	6	10	1	0	0	12	0	20	44	93	0	0	0	0	0	15	6	3	24
Pomfret	4	25	0	0	4	18	4	38	0	93	0	23	0	0	4	17	7	26	77
Saybrook	6	20	9	0	3	9	6	34	1	88	0	2	0	2	0	1	10	14	29
Wallingford	20	18	3	0	8	17	5	22	0	93	0	1	0	3	0	3	28	3	38

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
NEW YORK—																			
Baldwinsville	2	7	23	1	3	12	15	30	0	93	2	2	2	1	2	6	33	31	79
Bellport	18	15	6	3	2	14	10	25	0	93	7	7	6	1	1	9	6	9	46
Beverly	3	17	0	14	1	28	1	20	0	84	1	10	2	9	6	26	9	2	65
Cazenovia	1	0	0	21	14	15	12	29	0	92	0	0	0	14	7	10	18	22	71
Charlotte	5	7	14	18	9	41	16	14	0	124	0	0	2	7	2	31	12	9	63
Ilion	0	8	17	12	1	17	22	16	0	93	4	9	7	17	19	11	18	8	93
Morrisania	9	8	1	3	3	7	5	9	0	45	8	3	3	0	2	1	2	0	19
Niagara	19	1	4	1	38	29	26	6	0	124	---	---	---	---	---	---	---	---	---
Nichols	8	1	2	22	26	3	4	27	0	93	7	1	1	8	20	2	11	34	84
Ogdensburg	3	14	9	1	12	7	10	6	0	62	0	0	0	0	0	0	5	0	5
Oswego	4	9	7	17	19	11	18	8	0	93	---	---	---	---	---	---	---	---	---
Penn Yan	1	9	1	3	17	23	27	12	0	93	---	---	---	---	---	---	---	---	---
Rochester	0	6	3	11	5	31	24	13	0	93	0	2	0	2	0	3	14	5	26
Sackett's Harbor	3	45	6	9	21	12	4	22	2	124	0	0	0	0	0	3	0	0	3
Wampsville	0	0	24	8	7	6	46	2	0	93	0	0	23	4	6	7	40	2	82
Wilson	3	3	10	17	8	28	10	10	0	89	0	0	0	0	0	1	6	2	9
NEW JERSEY—																			
Cinnaminson	9	26	2	0	1	18	10	26	1	93	---	---	---	---	---	---	---	---	---
Lambertville	5	23	0	2	4	17	3	33	0	87	---	---	---	---	---	---	---	---	---
Newark	2	21	1	2	0	17	7	13	0	63	---	---	---	---	---	---	---	---	---
New Brunswick	5	22	0	0	6	7	21	31	1	93	---	---	---	---	---	---	---	---	---
Woodstown	2	29	6	3	2	12	20	19	0	93	11	13	5	3	1	3	11	11	58
PENNSYLVANIA—																			
Altoona	11	10	43	16	5	0	7	1	0	93	10	7	41	10	7	0	9	2	86
Bedford	1	1	9	3	1	2	15	20	41	93	2	2	10	1	11	4	19	37	86
Berwick	5	7	28	2	3	6	33	9	0	93	1	0	8	0	5	2	20	2	38
Cannonsburg	0	6	20	1	0	10	49	7	0	93	---	---	---	---	---	---	---	---	---
Chambersburg	11	3	13	1	2	3	49	10	1	93	0	0	2	0	1	4	40	10	57
Easton	4	29	0	4	5	3	0	46	0	91	---	---	---	---	---	---	---	---	---
Fleming	2	3	22	13	0	2	26	24	1	93	1	0	0	2	1	1	40	19	64
Germantown	1	9	0	11	3	6	4	20	0	54	---	---	---	---	---	---	---	---	---
Gettysburg	4	25	1	0	8	22	11	22	0	93	5	5	0	0	0	13	28	12	63
Harrisburg, [Heisely]	9	13	20	1	2	8	16	23	1	93	5	0	1	0	2	3	6	8	25
Harrisburg, [Hickok]	4	3	25	1	9	8	38	5	0	93	0	0	0	0	0	0	6	0	6
Lewisburg	11	13	3	2	7	8	13	12	24	93	0	0	0	0	0	3	5	1	9
Morrisville	1	21	7	6	1	20	6	26	2	90	1	18	7	4	0	18	6	14	68
Mount Joy	2	5	1	17	0	0	0	24	0	49	0	0	0	2	0	1	1	11	15
Norristown	0	10	16	4	1	3	35	12	0	81	0	2	15	0	1	6	39	3	66
North Whitehall	1	5	6	0	0	4	7	22	48	93	0	0	3	0	0	2	20	22	47
Philadelphia	2	31	1	1	1	23	11	23	0	93	0	0	0	0	0	11	7	9	27
Pittsburg, [Marine Hos.]	2	9	8	11	5	22	16	19	1	93	1	0	2	3	1	20	13	7	47
Pleasant Ridge	1	16	1	11	2	11	2	46	0	90	---	---	---	---	---	---	---	---	---
Pocopson	8	20	10	0	1	16	25	10	3	93	2	1	0	0	0	6	13	9	31
Sewickleyville	1	2	2	17	1	10	8	28	19	88	0	1	2	0	1	4	6	23	37
Shamokin	7	4	20	6	11	0	43	2	0	93	1	1	4	3	15	2	55	4	85
Somerset	0	0	10	5	4	13	35	9	17	93	0	0	1	0	2	9	26	5	43
Tarentum	4	12	3	0	4	19	15	6	30	93	1	1	0	2	3	10	35	8	60
West Haverford	1	16	5	3	0	9	7	21	0	62	4	1	0	0	1	5	10	19	40
Worthington	2	8	16	2	2	10	12	24	17	93	1	1	3	1	0	10	30	9	55
MARYLAND—																			
Annapolis	9	29	1	1	10	23	2	13	5	93	0	0	0	0	0	0	21	0	21
Bladensburg	4	13	4	0	0	17	0	20	0	58	---	---	---	---	---	---	---	---	---
Chestertown	0	23	2	9	1	20	1	22	0	78	0	2	1	0	1	8	3	2	17
Frederick	7	23	0	0	7	1	10	28	14	90	1	1	0	0	0	0	27	3	32
Leitersburg	13	5	5	8	6	14	27	12	3	93	4	2	1	1	4	13	26	14	65
St. Mary's City	19	12	7	4	6	10	8	14	0	80	3	1	1	1	0	0	0	2	8
Sykesville	4	25	9	1	2	13	24	15	0	93	1	3	24	1	0	5	45	2	81
DISTRICT OF COLUMBIA—																			
Georgetown	14	6	0	17	8	11	12	25	0	93	---	---	---	---	---	---	---	---	---
Washington	7	24	0	2	14	6	6	26	6	91	---	---	---	---	---	---	---	---	---
VIRGINIA—																			
Crack Whip	26	6	5	1	16	25	6	6	2	93	0	0	0	0	0	2	2	0	4

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
VIRGINIA—Continued.																			
Crichton's Store	26	6	5	1	16	25	6	6	2	93	0	0	0	0	0	2	2	0	4
Cross Creek	...	...	...	...	...	...	...	...	...	...	1	0	1	3	5	11	44	8	73
Fork Union	40	10	2	1	19	12	5	4	0	93	...	...	...	...	...	...	...	...	...
Fredericksburg	51	14	0	0	14	7	0	5	0	91	...	...	...	...	...	...	...	...	...
Lewisburg	1	17	0	3	7	48	5	12	0	93	0	2	0	4	3	22	2	3	36
Mont View	7	27	0	5	13	11	23	7	0	93	3	4	2	0	0	29	0	7	45
Mustapha	19	0	0	0	23	9	1	0	8	60	...	...	...	...	...	...	...	...	...
Poplar Grove	0	4	15	4	0	3	21	25	21	93	0	2	0	3	1	21	16	9	52
Portsmouth	1	27	9	9	0	17	13	17	0	93	...	...	...	...	...	...	...	...	...
Rougemont	12	24	0	0	14	7	16	0	4	77	2	5	0	0	0	0	15	2	24
Smithfield	15	13	0	2	7	16	9	8	0	70	4	1	0	0	1	4	15	5	30
Wheeling	8	16	0	6	12	22	3	13	13	93	0	0	0	1	1	2	2	1	7
Winchester	3	3	2	0	3	6	7	14	55	93	0	1	3	0	2	0	3	1	10
NORTH CAROLINA—																			
Chapel Hill	6	21	3	0	3	15	2	6	5	61	1	3	0	0	2	10	4	0	20
Davidson College	2	37	0	2	4	31	5	3	2	86	2	16	0	2	3	20	6	0	49
Marfreesborough	3	21	3	5	0	21	4	18	16	91	3	15	3	3	1	5	19	5	54
Raleigh	20	8	4	3	15	8	3	5	27	93	...	...	...	...	...	...	...	...	...
SOUTH CAROLINA—																			
Aiken	10	9	2	4	10	31	13	0	0	79	...	...	...	...	...	...	...	...	...
All Saints	8	6	8	9	10	16	21	14	1	93	5	2	2	1	2	23	15	1	51
Charleston	1	6	0	3	4	6	2	10	0	32	...	...	...	...	...	...	...	...	...
St. John's	9	10	4	17	5	17	3	22	0	87	0	3	0	0	3	6	24	4	49
GEORGIA—																			
Atlanta	2	2	7	12	11	9	4	46	0	93	...	...	...	...	...	...	...	...	...
Augusta	5	1	0	3	1	32	31	17	0	90	1	7	0	10	1	30	5	0	54
Clarksville	1	8	13	1	5	20	45	0	0	93	0	8	13	0	5	18	17	0	61
Covington	0	16	7	5	2	17	9	37	0	93	...	...	...	...	...	...	...	...	...
Sparta	2	14	5	10	5	21	11	21	0	89	1	2	1	0	2	13	15	2	36
Thomaston	13	10	4	3	11	15	15	22	0	93	0	0	0	1	1	3	0	0	5
Whitemarsh Island	5	11	1	8	4	10	5	16	32	92	0	3	0	3	2	9	14	3	34
FLORIDA—																			
Alligator	0	13	5	10	5	10	8	20	22	93	0	0	0	1	6	13	4	2	26
Atsena	15	22	8	3	10	8	5	18	4	93	3	7	4	0	7	6	4	9	40
Belair	10	26	6	20	3	2	5	15	6	93	2	5	3	4	1	26	11	7	59
Gainesville	13	13	0	21	0	23	0	20	0	90	0	0	0	2	0	9	1	0	12
Jacksonville	13	19	6	6	8	18	12	8	3	93	5	19	8	0	2	1	1	3	39
Micanopy	4	11	7	21	5	9	6	12	15	90	1	1	2	1	0	0	0	0	5
St. Augustine	3	31	3	5	1	25	0	25	0	93	1	11	3	5	3	20	2	15	60
Salt Ponds	13	21	12	5	4	0	3	1	3	62	...	...	...	...	...	...	...	...	...
Seville	0	4	0	1	2	0	0	2	15	24	...	...	...	...	...	...	...	...	...
Warrington	6	16	1	24	1	13	1	31	0	93	7	9	0	17	3	5	1	9	51
ALABAMA—																			
Greene Springs	11	1	6	7	1	4	14	5	34	93	1	1	1	0	2	4	6	3	18
Greensborough	4	1	1	10	8	3	4	26	0	57	3	0	0	1	0	5	9	3	21
Livingston	14	2	3	10	20	0	0	35	6	90	...	...	...	...	...	...	...	...	...
Montgomery	6	9	0	6	16	13	14	29	0	93	...	...	...	...	...	...	...	...	...
Orville	39	6	0	12	7	14	1	11	0	93	7	7	0	8	0	16	9	18	65
Uniontown	3	2	3	12	0	13	6	29	25	93	...	...	...	...	...	...	...	...	...
MISSISSIPPI—																			
Columbus	22	5	6	0	16	4	15	24	0	92	3	0	0	0	2	9	7	5	26
Grenada	48	0	0	0	22	12	8	3	0	93	...	...	...	...	...	...	...	...	...
Hernando	5	10	0	4	10	31	0	33	0	93	2	2	0	1	0	28	2	18	53
Natchez	23	22	2	3	17	8	0	18	0	93	0	0	0	0	0	6	4	3	13
Paulding	1	6	2	5	2	20	4	21	0	61	1	5	0	6	2	12	5	6	37
Westville	4	9	1	21	3	9	0	6	20	73	7	7	0	11	3	7	0	5	40
LOUISIANA—																			
New Orleans	0	36	0	13	0	14	0	30	0	93	...	...	...	...	...	...	...	...	...
Poydras College	56	0	0	2	24	8	0	3	0	93	...	...	...	...	...	...	...	...	...
Tickfaw Station	9	10	4	22	10	10	3	25	0	93	...	...	...	...	...	...	...	...	...
TEXAS—																			
Austin, [Palm]	21	0	3	1	14	20	7	27	0	93	1	0	1	0	6	11	0	4	23

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
TEXAS—Continued.																			
Austin, [Van Nostrand]	28	1	1	0	28	1	19	12	3	93	3	0	0	0	14	3	2	1	23
Bonham	39	0	8	5	16	10	9	4	2	93	6	0	2	1	2	10	2	1	24
Boston	25	13	6	2	18	4	9	14	2	93	----	----	----	----	----	----	----	----	----
Burkeville	18	20	5	3	5	14	5	6	17	93	0	2	1	1	0	8	1	0	13
Cross Roa's (*a*)	22	4	0	6	22	21	6	8	0	89	2	0	0	0	0	1	2	5	10
Dallas	34	0	0	13	12	13	15	6	0	93	----	----	----	----	----	----	----	----	----
Gilmer	16	0	0	5	11	8	1	6	43	93	----	----	----	----	----	----	----	----	----
Gonzales	55	0	8	0	14	6	10	0	0	93	----	----	----	----	----	----	----	----	----
Larissa	13	0	0	4	18	15	3	30	2	85	6	0	0	0	6	14	6	7	39
New Braunfels	28	4	4	11	21	7	4	14	0	93	0	0	0	3	5	3	0	0	11
Preston	40	1	2	2	27	0	4	0	17	93	----	----	----	----	----	----	----	----	----
San Patricio	57	4	0	29	1	0	0	2	0	93	----	----	----	----	----	----	----	----	----
Sisterdale	42	17	6	10	12	5	0	1	0	93	0	0	1	0	0	1	1	0	3
Tarrant	14	0	3	2	44	5	6	6	13	93	----	----	----	----	----	----	----	----	----
Union Hill	51	2	1	3	33	0	1	2	0	93	25	0	2	0	32	0	0	1	60
Washington	25	0	0	1	14	0	0	18	30	88	----	----	----	----	----	----	----	----	----
Webberville	47	0	1	0	18	10	3	4	1	84	----	----	----	----	----	----	----	----	----
Wheelock	49	1	1	3	35	1	2	1	0	93	----	----	----	----	----	----	----	----	----
ARKANSAS—																			
Arkadelphia	4	34	3	1	0	21	2	28	0	93	----	----	----	----	----	----	----	----	----
Bentonville	23	0	1	0	11	4	2	4	0	45	----	----	----	----	----	----	----	----	----
Jacksonport	33	0	6	2	21	2	15	6	8	93	----	----	----	----	----	----	----	----	----
Perryville	27	10	2	11	11	14	7	9	2	93	----	----	----	----	----	----	----	----	----
Spring Hill	16	8	3	6	4	6	6	5	37	91	----	----	----	----	----	----	----	----	----
Waldron	24	4	0	4	12	7	15	27	0	93	----	----	----	----	----	----	----	----	----
Washington	11	0	0	0	3	1	1	0	0	15	----	----	----	----	----	----	----	----	----
Yellsville	29	1	3	0	3	11	1	17	28	93	----	----	----	----	----	----	----	----	----
TENNESSEE—																			
Glenwood	13	15	5	15	6	8	11	15	5	93	1	4	1	2	1	14	21	7	51
Memphis	22	5	7	4	18	11	7	9	10	93	----	----	----	----	----	----	----	----	----
Pomona	15	1	2	1	2	24	26	22	0	93	----	----	----	----	----	----	----	----	----
University Place	2	7	0	11	1	34	5	30	0	90	0	0	0	1	1	0	11	0	13
Winchester	----	----	----	----	----	----	----	----	----	----	23	2	0	3	10	14	24	17	93
KENTUCKY—																			
Bardstown	3	12	0	10	10	19	5	18	15	92	1	5	0	4	4	16	3	8	41
Danville	6	6	2	6	9	22	23	18	0	92	0	2	1	1	2	15	15	8	44
Hardensburg	12	10	2	5	14	21	4	25	0	93	----	----	----	----	----	----	----	----	----
Paducah	20	0	1	2	7	1	0	9	0	40	----	----	----	----	----	----	----	----	----
Paris	0	12	0	7	12	30	9	23	0	93	0	1	1	0	11	2	31	0	46
Springdale	2	8	2	0	5	25	9	11	28	93	----	----	----	----	----	----	----	----	----
OHIO—																			
Avon	7	2	8	9	10	31	7	16	0	90	4	0	1	1	0	11	13	20	50
Bellefontaine	0	25	3	8	0	13	10	31	0	93	0	8	3	30	1	19	2	4	67
Bethel	4	4	6	4	10	22	9	9	0	68	----	----	----	----	----	----	----	----	----
Bowling Green	3	16	2	5	3	39	3	10	11	92	0	4	2	0	1	6	9	14	36
Brecksville	11	7	10	17	16	6	11	10	5	93	2	6	3	4	2	7	4	1	29
Cincinnati, [Harper]	9	7	14	4	4	16	15	10	0	79	0	0	0	0	0	1	0	0	1
Cincinnati, [Phillips]	12	3	2	0	1	16	9	32	18	93	1	4	0	0	0	15	18	18	56
Cleveland	5	13	5	9	20	23	13	5	0	93	1	1	0	0	1	6	7	4	20
College Hill	6	6	0	6	5	26	16	25	0	90	3	6	0	3	2	14	13	11	52
College Hill	4	10	7	5	9	13	27	18	0	93	----	----	----	----	----	----	----	----	----
Dallasburg	1	9	11	6	2	6	6	8	0	49	----	----	----	----	----	----	----	----	----
Elk Run	5	11	6	3	11	27	12	16	1	92	1	0	0	0	1	10	9	4	25
Freedom	13	4	1	0	3	21	47	3	0	92	15	3	1	0	3	13	43	3	81
Hillsborough	0	22	0	10	0	33	3	25	0	93	0	0	0	0	0	1	0	0	1
Hocking Port	4	2	5	1	8	27	30	13	0	90	----	----	----	----	----	----	----	----	----
Hudson	5	9	19	9	7	20	22	8	0	90	----	----	----	----	----	----	----	----	----
Jackson, (Monroe county)	9	7	0	1	18	0	0	0	37	72	----	----	----	----	----	----	----	----	----
Kelley's Island	2	19	3	4	8	31	9	15	2	93	----	----	----	----	----	----	----	----	----

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued																			
Madison, [Atkins]	4	1	5	5	14	17	13	9	6	74	0	0	0	0	1	4	5	1	11
Madison, [King]	1	17	2	11	19	16	8	7	9	90	1	16	2	9	18	18	8	9	81
Montville	4	10	0	11	6	41	0	21	0	93	0	0	0	1	2	1	0	7	10
Mount Union	0	6	0	15	0	11	6	15	9	62	0	0	0	2	0	0	6	2	10
Newark	6	22	0	3	19	35	4	4	0	93									
New Lisbon	4	8	4	8	5	34	7	23	0	93	1	8	3	9	5	23	8	21	18
North Bend	5	3	4	4	2	7	37	2	29	93	0	0	1	0	0	2	5	0	8
Northwood	4	12	2	10	1	49	0	15	0	93	4	10	3	5	0	38	3	9	72
Portsmouth	9	10	5	3	0	25	10	28	0	90	1	12	3	1	0	23	3	18	61
Ripley	4	3	3	10	1	2	1	13	15	52	0	0	0	0	0	0	1	0	1
Rockport	2	7	12	3	9	19	36	4	1	93									
Rupell's Station	3	5	0	6	6	11	14	11	1	57									
Savannah	0	19	1	8	3	35	10	17	0	93	0	18	0	2	0	23	12	17	72
Sharonville	6	0	0	0	24	2	13	9	0	54									
Troy	24	1	9	0	11	0	43	0	5	93	5	0	0	0	4	0	42	2	53
Urbana	0	11	4	1	10	19	16	14	18	93	1	5	2	0	2	11	16	7	44
Welchfield	12	3	1	26	1	30	8	12	0	93	0	0	0	0	0	1	0	0	1
Westerville	18	8	0	2	17	28	5	15	0	93	5	6	0	0	4	13	8	10	46
MICHIGAN—																			
Battle Creek	1	1	16	2	7	10	26	5	1	69	1	0	0	1	2	1	23	35	63
Detroit	2	14	8	24	5	24	10	6	0	93	2	14	13	18	2	20	15	9	93
Grand Haven	7	11	21	7	9	7	10	21	0	93	1	2	2	0	1	1	9	10	26
Grand Rapids	5	9	12	8	18	10	14	17	0	93	0	0	9	0	4	7	43	28	91
Marquette	5	6	1	3	11	13	16	36	2	93	0	0	0	0	0	2	11	6	19
Monroe, [Bowlsby]	0	5	3	4	5	34	12	24	6	93									
Monroe Piers	8	13	3	7	11	53	13	16	0	124	1	1	0	1	1	1	6	2	13
Monroe, [Whelpley]	2	30	0	10	0	12	3	24	0	81	2	28	0	7	0	7	2	21	67
New Buffalo											1	0	9	0	1	6	20	33	70
Ontonagon	9	9	0	0	22	1	29	20	0	90									
Otsego	6	9	6	12	4	25	10	7	14	93									
Ottawa Point	2	9	6	9	10	35	13	40	0	124	0	3	6	0	4	23	6	14	56
Thunder Bay Island	14	4	6	18	7	16	12	46	1	124	7	2	5	8	4	5	7	39	77
Ypsilanti	6	13	5	8	3	28	13	9	3	88	3	3	3	4	2	16	12	7	50
INDIANA—																			
Aurora	0	6	2	2	2	6	11	2	0	31									
Cannelton	8	1	12	8	12	5	21	26	0	93	5	0	1	1	2	11	15	8	43
Greencastle	9	6	4	3	9	27	10	25	0	93									
Green Mount	3	9	10	6	8	28	7	20	2	93									
Logansport	2	16	8	7	1	15	12	32	0	93	2	11	6	2	4	5	14	15	59
Michigan City	23	0	0	3	16	17	6	59	0	124									
New Harmony	11	1	1	7	14	5	14	24	0	77									
Patoka	2	0	2	0	10	7	10	25	28	84									
Richmond, [Austin]	3	13	0	5	7	12	5	6	2	53	2	5	0	1	1	3	4	3	19
Rockville	10	12	3	5	6	23	10	24	0	93									
Shelbyville	16	2	11	5	4	8	35	12	0	93									
South Bend	2	0	0	0	1	15	38	7	0	63									
ILLINOIS—																			
Augusta	7	8	8	9	7	15	15	24	0	93	1	0	3	0	0	4	6	7	21
Aurora	8	7	4	5	14	16	17	22	0	93	0	0	0	0	1	8	14	10	33
Batavia	4	7	1	6	0	36	12	27	0	93	0	9	0	7	0	20	4	22	62
Bloomington	6	5	6	4	18	12	33	9	0	93									
Bruce	12	3	15	1	16	10	12	24	0	93	0	1	0	1	0	0	0	0	2
Chicago	7	9	0	11	1	23	6	36	0	93									
Dixon	22	5	7	6	0	19	17	17	0	93									
Edgington	0	3	7	6	0	34	5	38	0	93	2	2	6	6	0	17	5	25	63
Elgin	3	5	5	4	12	11	11	37	5	93	0	0	0	0	0	3	5	3	11
Galena	0	15	2	8	0	0	9	1	4	39									
Lebanon	6	5	9	7	6	18	8	34	0	93	0	1	0	1	0	0	0	0	2
Manchester	11	11	5	15	8	4	20	19	0	93	7	6	6	7	1	2	14	10	53
Marengo	0	3	7	2	10	9	53	6	1	91									
Napierville	6	9	4	6	13	16	20	19	0	93	8	0	5	0	3	2	3	8	29
Ottawa	9	11	2	10	3	22	20	13	3	93	4	0	0	0	2	4	1	5	16

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
ILLINOIS—Continued.																			
Pekin	11	5	4	6	18	5	5	38	1	93	8	0	5	2	0	9	8	16	48
Peoria	7	12	6	3	11	13	38	3	0	93	----	----	----	----	----	----	----	----	----
Riley	7	0	8	2	8	15	16	26	8	90	----	----	----	----	----	----	----	----	----
Sandwich	12	3	9	4	9	19	13	23	0	92	----	----	----	----	----	----	----	----	----
Tiskilwa	2	13	6	5	2	25	3	37	0	93	----	----	----	----	----	----	----	----	----
West Salem	7	7	0	6	7	9	12	24	21	93	0	0	0	0	0	14	8	0	22
West Urbana	11	5	5	9	1	20	11	31	0	93	----	----	----	----	----	----	----	----	----
Wheaton	4	7	3	4	6	22	13	31	2	92	1	0	1	0	0	3	1	3	9
Willow Creek	10	5	5	10	10	15	19	18	0	92	----	----	----	----	----	----	----	----	----
Winnebago	13	5	3	8	13	14	20	17	0	93	0	0	0	1	1	4	4	5	15
MISSOURI—																			
Bethany	18	9	2	8	8	12	7	28	1	93	----	----	----	----	----	----	----	----	----
Bolivar	12	5	4	7	13	28	2	16	3	90	----	----	----	----	----	----	----	----	----
Bconville	3	1	7	20	0	24	7	31	0	93	----	----	----	----	----	----	----	----	----
Cassville	36	0	1	1	33	2	4	11	5	93	0	0	1	0	0	10	4	1	16
Dundee	19	5	4	18	6	7	19	15	0	93	----	----	----	----	----	----	----	----	----
Greenfield	5	22	9	15	8	23	6	5	0	93	----	----	----	----	----	----	----	----	----
Greenville	51	0	0	6	15	21	0	0	0	93	----	----	----	----	----	----	----	----	----
Harrisonville	30	5	8	9	6	6	5	24	0	93	----	----	----	----	----	----	----	----	----
Hermann	8	7	13	5	5	7	25	23	0	93	----	----	----	----	----	----	----	----	----
Kirksville	9	15	2	8	4	16	4	35	0	93	----	----	----	----	----	----	----	----	----
Lexington	7	7	10	8	1	9	16	35	0	93	----	----	----	----	----	----	----	----	----
Paris	16	12	0	13	4	15	4	24	5	93	----	----	----	----	----	----	----	----	----
Rhineland	10	6	4	12	3	5	7	44	1	92	0	0	0	0	1	0	0	0	1
Richmond	47	3	3	7	8	5	0	14	2	89	----	----	----	----	----	----	----	----	----
St. Louis	8	8	10	30	5	9	14	52	6	142	2	0	1	2	0	11	8	13	37
St. Louis, [Engelmann]	6	4	6	21	6	6	29	15	0	93	----	----	----	----	----	----	----	----	----
Stockton	20	3	2	7	11	6	10	17	17	93	5	0	0	0	5	4	7	4	25
Warrenton	4	14	0	4	1	13	19	38	0	93	----	----	----	----	----	----	----	----	----
Wet au Glaize	1	3	3	0	5	12	34	35	0	93	----	----	----	----	----	----	----	----	----
WISCONSIN—																			
Appleton	20	18	1	0	1	42	1	10	0	93	0	0	0	0	0	3	0	0	3
Bay City	3	7	3	0	16	35	4	22	0	90	2	2	1	0	4	6	1	8	24
Beloit	26	0	1	5	21	14	12	14	0	93	----	----	----	----	----	----	----	----	----
Burlington	12	0	3	8	9	14	20	27	0	93	----	----	----	----	----	----	----	----	----
Delafield	3	6	5	2	9	18	22	21	3	89	3	0	1	2	6	1	3	5	21
Green Bay	17	0	7	3	1	6	10	16	18	78	4	1	4	0	0	0	1	0	10
Kenosha	8	3	6	7	10	12	36	9	0	91	----	----	----	----	----	----	----	----	----
Lake Mills	28	7	0	0	16	20	17	5	0	93	----	----	----	----	----	----	----	----	----
Manitowoc	7	3	3	4	1	20	12	43	0	93	1	0	0	0	3	6	7	8	25
Milwaukee, [Larkin]	3	6	4	3	1	8	10	11	16	62	0	2	1	2	1	6	8	4	24
Milwaukee, [Winkler]	1	11	2	4	2	14	16	43	0	93	----	----	----	----	----	----	----	----	----
Pardeeville	6	12	1	6	13	13	18	19	0	88	----	----	----	----	----	----	----	----	----
Platteville	11	1	3	12	12	7	27	17	0	90	9	0	0	12	7	6	13	11	58
Rocky Run	3	12	0	6	0	31	9	32	0	93	1	6	0	3	2	6	3	12	33
Superior, [Mann]	1	8	0	4	2	37	15	23	2	92	8	5	1	0	0	3	3	16	36
Superior City, [Stuntz]	2	0	6	11	14	24	55	12	0	124	----	----	----	----	----	----	----	----	----
Wausau	37	4	2	5	10	5	9	21	0	93	20	2	3	0	8	3	4	2	42
IOWA—																			
Bellevue	12	5	11	2	10	11	17	24	0	92	----	----	----	----	----	----	----	----	----
Burlington	0	11	1	10	1	13	1	42	0	79	1	1	0	1	0	1	12	16	32
Davenport	4	4	6	6	4	9	41	7	12	93	----	----	----	----	----	----	----	----	----
Dubuque	10	4	3	10	4	5	11	36	10	93	1	1	1	6	0	2	6	15	32
Fairfield	0	2	0	8	0	9	0	36	30	85	----	----	----	----	----	----	----	----	----
Fayette Village	1	6	2	17	3	10	17	33	0	89	0	0	0	5	2	0	6	3	16
Fort Madison	1	13	0	6	0	21	2	50	0	93	2	0	1	5	2	4	13	18	45
Franklin	10	4	6	6	15	4	6	36	6	93	----	----	----	----	----	----	----	----	----
Lyons City	14	5	2	0	20	1	27	12	12	93	----	----	----	----	----	----	----	----	----
Muscatine	4	10	5	3	10	13	30	18	0	93	1	2	0	0	1	3	2	2	11
Pleasant Plain	2	15	1	7	9	15	3	41	0	93	0	0	0	1	0	11	9	5	26
Rossville	8	1	8	4	12	6	18	30	6	93	----	----	----	----	----	----	----	----	----
Waterloo	3	3	0	17	7	10	25	28	0	93	----	----	----	----	----	----	----	----	----

No. 49.—WINDS—NUMBER OF OBSERVATIONS, DECEMBER, 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
MINNESOTA—																			
Beaver Bay	17	1	2	2	3	6	12	19	29	91									
Beaver Bay, [Clark]	14	2	1	3	8	13	20	15	17	93	4	1	0	0	4	9	2	3	23
Burlington	3	2	7	7	5	6	17	43	3	93	6	0	14	1	1	0	8	28	58
Chatfield	5	0	3	5	13	2	15	32	18	93	2	0	0	0	2	5	14	8	31
Forest City	8	0	0	8	5	8	18	12	34	93									
Hazlewood	6	1	3	2	18	3	10	50	0	93	1	0	2	0	1	0	0	7	11
Princeton	28	1	8	3	9	7	15	11	11	93	17	0	10	1	7	1	6	3	45
DACOTAH TERRITORY—																			
Greenwood	6	5	0	8	4	0	0	59	11	93									
NEBRASKA—																			
Bellevue	44	5	0	1	13	9	14	7	0	93	12	3	0	0	3	6	2	4	30
Deer Creek	0	1	5	0	0	29	46	0	12	93									
Elkhorn	5	10	3	7	7	14	6	41	0	93									
Kanosha	0	3	2	13	0	1	4	70	0	93									
Nebraska City	21	4	1	0	9	6	12	18	22	93									
Omaha	11	8	0	3	9	14	8	37	3	93									
KANSAS—																			
Burlingame	38	5	5	1	17	0	4	0	23	93									
Celestville	5	11	1	9	8	22	2	35	0	93									
Fort Riley	9	9	4	16	1	30	1	23	0	93									
Leavenworth City	17	10	0	6	1	34	0	21	4	93	7	10	0	22	0	5	0	9	53
Lecompton	2	0	0	6	0	17	0	67	0	92									
Manhattan	7	10	4	3	3	15	5	29	17	93	2	1	1	1	0	7	2	17	31
Manhattan	25	13	7	7	5	18	1	14	0	90									
Neosho Falls	7	10	2	7	4	5	2	31	25	93									
Wyandott City	11	11	9	14	1	18	9	20	0	93									
CALIFORNIA—																			
Auburn	0	4	38	16	9	4	4	0	18	93									
Crescent City	23	4	0	1	20	2	0	14	29	93									
Monterey	6	1	0	0	6	8	16	9	46	92	4	0	1	0	4	6	5	5	25
Moquelumne Hill	0	6	11	22	2	37	5	10	0	93									
Sacramento	44	15	6	21	3	0	1	3	0	93	0	0	0	8	0	3	3	1	15
San Francisco	41	3	0	0	8	3	1	0	37	93	19	7	3	1	4	9	5	6	54
Santa Clara, [Frambes]	3	5	0	25	5	21	7	23	4	93									
Union Ranche	1	3	0	1	27	2	9	31	19	93	0	0	0	1	23	5	12	16	57
MEXICO—																			
Cordova	1	17	1	3	0	3	2	4	0	31									
Mirador	4	20	6	22	8	16	8	9	0	93	14	10	1	13	17	7	3	7	72
WEST INDIES—																			
St. George's, Bermuda	13	25	16	7	11	21	9	22	0	124									
Turk's Island	6	3	9	2	0	0	0	0	11	31									
CENTRAL AMERICA—																			
Guatemala	5	79	2	2	0	11	3	2	20	124									
SOUTH AMERICA—																			
Cathar'a Sophia, Suriuam	2	46	9	27	8	1	0	0	0	93	0	20	34	35	0	0	0	0	89

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1859.*

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
BRITISH AMERICA—													
Halifax (*a*)	.. ...	.....	..... .	2.042	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halifax (*b*)	.....	.....	.....	1.859	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montreal	3.083	2.380	1.690	.....	.....	.....	2.910	2.440	5.220	? 1.441	6.570	4.920	.....
Red River Settlement	.....	.. ..	.. ..	.....	.....	? 8.750	? 5.500	.....	? 6 000	.....	...	.....	.....
St. John's	3 810	2.960	6 000	4.610	2.680	5.170	6.108	6.469	6 840	12.130	3.050	7.770	66.988
St. Martin	? 1.704	? 3.867	? 3.338	? 4 819	3.856	6.779	2.428	6.666	11.310	? 1 859	? 9.719	? 3.867	? 60.212
Toronto	? 3.089	? 1.287	? 4.154	? 2.617	3.410	4.085	2.611	3.990	3.525	0.940	5.253	? 4.775	? 39.761
Windsor	.....	.....	.....	.....	2.220	2 490	.. ....	.....	.....	.....	.....	.....	.....
Wolfville	5.722	3.670	13 930	8.820	4.350	6.130	.. ....	6.780	9.820	.....	5.600	6.640	.....
MAINE—													
Belfast	.....	.....	.....	.....	.....	.....	.....	.....	4.320	2 270	? 4.600	? 6.300	.. ....
Cornish (*c*)	? 4.100	.....	? 9.962	? 3.225	? 2.375	6.625	? 2.000	3 187	? 3.812	? 2.050	....	....	.....
Cornishville	5 570	3.890	9.300	3.220	2.460	7.400	1.530	2.210	3.130	1.520	4.270	5 690	50.190
Dexter (*c*)	? 4 825	? 1.875	? 8.125	? 1.750	? 2.751	? 7.090	.....	2.375	3.375	? 0.925	? 3.512	4 200	.. ....
Gardiner	4.418	2.156	10.062	2.508	3.002	6.550	1.969	2.790	2.477	1.081	4 748	6.542	48.102
Lisbon	.....	.....	.....	? 5.900	5.150	? 9.100	? 1.900	? 3.600	5.103	? 1.900	? 4.300	? 5.500	.....
Perry	? 5.200	? 5.200	? 12.980	3 520	4.620	7.900	4.140	0.950	3.760	1.980	? 7.020	? 5 120	? 61.780
Portland	? 4.630	2.767	8.032	3.353	3.430	5.950	.....	2.242	4.445	2.260	4.563	6.119	.. ....
Steuben	? 4.915	? 6.410	? 9 970	? 3.360	? 4.500	? 7.301	? 2.700	.....	5.610	? 3.510	? 4.450	? 7.260	.....
NEW HAMPSHIRE—													
Claremont	.....	.....	.....	.....	.....	.....	...	....	4.110	? 1.960	1.895	? 4.345	..... .
Lacenia	5.940	3.020	7.160	3.220	2.290	5 633	2.750	1.710	4.330	2.110	3.870	4.740	46.680
Lake Village	5.010	2.480	7.710	3.030	2.420	4 580	3.110	2.260	3.920	1.930	3.770	4.540	44.820
Mount Washington	....	.....	.....	.....	....	3.866	5.172	7.075	.....	.....	.....	.....	.....
Shelburne	? 2.500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stratford	? 1.810	? 1.280	? 4.630	1.930	1.870	6.180	2.590	1.690	4 290	1.400	? 3.020	? 4.330	.....
VERMONT—													
Brandon	2 815	1.390	3.950	2 230	1.850	4.120	1.315	2.845	4.015	1.390	2.290	2.650	.....
Burlington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2 300	... .
Craftsbury	2.450	1.700	4.400	1.910	1.770	4.430	1.810	2.520	4.310	2.000	3.810	3.200	.....
Lunenburg (*c*)	.....	.....	.....	.....	.....	.....	.....	.....	? 4.925	.....	? 2.556	.....	.....
St. Johnsbury	.....	? 1.520	.....	2.420	? 1.900	? 3.330	.....	1.783	3.592	.....	? 3.990	? 3.530	.. ....
MASSACHUSETTS—													
Amherst	4.887	3.540	6.272	2.952	4.075	6.157	2.607	6.652	4.466	1.853	2.960	4.847	51.270
Bridgewater	7.020	.....	6.894	2.286	.....	6.641	.....	.....	.....	2.801	2.149	4.519	..... .
Cambridge	8.227	6.479	7.961	.....	2.983	12.865	1.530	5 391	5 360	3.868	3.682	4.983	.....
Lawrence	6.090	5.351	3.427	3.160	3.210	4.560	1.430	3.689	3.660	2.110	3.210	7.610	47.501
Meadon	.. ...	.....	.....	1.140	4.300	6.650	1.700	? 5.000	4.300	? 0 550	.....	.....	.. ....
Nantucket	7.955	4.259	4.027	3.066	3 145	5.679	2.773	3 448	3.299	3 163	1.365	4.602	48.281
New Bedford (*e*)	7.585	3.970	5.830	3.060	4.565	5.470	0.850	3.570	3.270	1.840	1.870	3.860	45.710
New Bedford (*e*)	8.124	4.469	6.550	3.510	4.950	6.090	0.995	4.120	3.600	2.090	2.210	4.300	51.035
New Bedford (*f*)	7.615	4.040	6.480	3 450	5.650	5.970	0 995	4.090	3 635	2.120	2.130	4.310	49.915
Richmond (*g*)	? 11.500	? 4.412	? 4.737	? 8.125	? 10.983	.....	? 1.568	? 6.759	.....	.....	? 5.750	.....	.....
Springfield	.....	.....	.....	.....	.....	6.380	2.280	4.010	.....	.....	.....	.....	.....
Westfield	5.210	3.950	6.740	3.710	4.610	6.170	2.430	4.890	4.980	1.850	3.710	6.000	54.200
Weymouth	5.060	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamstown	7.330	1.745	? 4.620	3.885	....	.....	3.457	2.561	3.785	1.306	3.045	5.649	....
Worcester	? 4.950	3.670	7.710	3.060	3.650	5.170	1 250	5.450	4.002	2.160	3.000	4.550	48.872
RHODE ISLAND—													
Providence	5.750	1.850	8.000	2.280	3.100	7.060	1.110	3.690	3.650	2.620	2 270	3.450	45.160
CONNECTICUT—													
Middletown	7.180	4.200	7.520	3 060	4.180	6.090	2 170	6.570	3.900	2.130	2.450	3.880	53.330
Pomfret	6.490	2.510	8.825	2.530	3.360	8.592	2.010	7.750	2.900	2.430	3 170	3.165	53.730
Saybrook	9.490	4.230	8.430	3.360	3 600	8.310	1.180	7.340	4.020	2.970	2.330	2.880	58.160
Walongford	6.940	4.240	8.450	3.760	4.730	6 250	2.580	6.120	5.630	1.910	2.490	4 010	57.110
NEW YORK—													
Bellport	4.230	5.450	7.730	3.740	4.960	4 980	3.040	4.280	5 430	2.320	2.740	2.980	51 940
Beverly	? 4.885	2.850	7.770	4.100	3.490	4.671	3.280	4.551	5.830	1.630	3.590	3.070	49 727
Buffalo	2 080	1.278	4.547	1.577	2.091	2.510	1.715	4 928	2.204	2.067	2.941	5.480	35.728
Cazenovia	2.460	1.400	3.620	4.700	2.080	4.360	4.070	4.530	4.580	2.140	3.680	4.000	41.620
Charlotte	.....	... ..	... ...	.....	.....	.....	2.200	4.300	2.660	.....	.....	.....	.....
Charlotte	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.010	2.070	1.350	.....
Clinton	? 2.705	? 1.420	3.220	5.850	.....	.....	.....	.....	? 0.420	4 940	2.150	1.290	3.690	.....
Danville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fishkill Landing	4.230	2.840	3.870	3.380	4.190	4.480	1.470	2.900	6.710	1.210	3.430	3.130	41.840
Flatbush	6.460	4 510	6.930	5.350	2.420	5.700	5.215	5.932	6.800	1.870	3.930	3.740	58 917
Fordham	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.110	2.290	... .	.....
Fort Edward	4.310	1.530	4.800	3.790	1.830	.....	.....	.....	.....	.....	.....	.....	.....
Fort Niagara	.....	.....	.....	... .	.....	.....	.....	.....	.....	1.670	3.110	? 4.540	.....
Fort Niagara	.....	.....	.....	.....	.....	.....	1.280	2.680	2.100	.... ..	.. ....	... .	... ...
Houseville	2.170	1.760	6.530	.....	.....	.....	.....	.....	.....	.....	.....	.....	... ...
Madrid	.....	..	....	.....	.....	.....	.....	3.551	2.950	1.131	....	.....	.....
New York city	5.740	5.510	8 210	5.100	1.570	4.600	4.760	4.120	6.450	1.750	3.370	4.420	55.600
Ogdensburg	3.090	1.390	5.390	4.200	1.300	2.310	2.100	3.810	3.105	1.020	5.100	.....	.....
Oswego	.... ..	.....	7 070	7.030	4.900	3.150	5.950	3.210	3.850	2.310	3.650	6.410	.....
Penn Yan	0.870	0 9.0	2.230	4.500	1 250	3.060	2.910	3.950	3.330	1.520	1.370	3.190	29.150
Rochester, [Dewey]	1.370	1.070	2.490	4.030	2 710	1.170	4.158	5.140	2.852	1.210	1.928	4.462	32.600
Rochester, [Mathews]	.....	.....	.....	.....	.....	.....	.....	.....	2.530	1.260	? 2.430	3.740	.....
Sackett's Harbor	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 010	4.720	5.180	.....
Sackett's Harbor	.....	.....	.....	.....	.....	.....	1.620	3.280	2.610	.....	.....	.....	.....
Saratoga	? 1.500	.....	.....	.....	.....	? 2.800	? 2.900	.....	? 3.600	.....	.....	.....	.....
Schenectady, [Julien]	.....	.....	.....	.....	.....	2.790	.....	.....	.....	.....	.....	.....	.....

* In cases where the observer recorded only the depth of snow as it fell, without melting, it is estimated in this table as equal to one-tenth of that depth in water; and whenever, from this cause or any other, there is reason to doubt the accuracy of the record, it is indicated by affixing a mark of interrogation.

a On the ground.
b Thirty feet above the ground.
c Without rain gauge.
d Old tin gauge.
e Smithsonian gauge.
f New brass gauge.
g Estimated without rain gauge.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1859.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
NEW YORK—Continued.													
Spencertown	3.169	2.209	2.288	... ...	1.725	7.364	1.903	3.136	2.929	0.281	2.638	.....	.....
Wampsville	?7.175	....	.....	10.420	5.570	5.100	?8.920	5.839	8.650	3 390	.....	4.670	.....
Waterford	3.220	2.010	3.140	3.810	1.589	4 240	2.410	2.660	4.270	0.762	3.110	3.780	34.992
Wilson	.....	.....	. ...	.....	.....	.....	.....	.....	.....	.....	?0.900	1.660	.....
NEW JERSEY—													
Lambertville	4.889	3.167	5.916	4.702	1.261	3.014	4.040	3.010	7.703	2.770	3.695	3.467	47.634
Newark	6.055	3.800	6.885	5.305	2.250	3.945	4.025	6.265	6.985	2.550	3.785	5.200	57.050
PENNSYLVANIA—													
Altoona	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.587	3 625	9.725	.....
Bedford	....	.....	.....	5.573	1.890	2.210	1 660	1.871	6.800	?0.950	1.200	2.660	.....
Berwick	.....	.....	.....	.....	.....	1.580	3.040	3.330	6.660	1.170	2.150	3.290	.....
Cannonsburg	1.350	3.416	3.965	6.831	3.350	3.380	3.215	5.403	3.660	1.160	1.260	3.276	40.269
Carlisle	2.297	2.469	5.404	5.668	1.373	2.946	2.474	2.792	9.497	.....	.....	.....	.....
Chambersburg	.....	.....	.....	.....	2.580	3.203	2.226	2.482	10.070	0.820	1.370	5.210	.....
Chromedale	6.740	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Easton	3.760	3.350	6.890	4.980	2.150	4.100	4 090	5.010	6.930	2.230	3.610	4.560	51.660
Fleming	?3.000	2.805	4.480	5 200	3 229	3.920	1.601	3.112	4.855	1.436	2.425	3.685	39.748
Gettysburg	3.494	3.910	5.595	5.751	3.759	3.725	1.755	2.733	6.342	0.626	1.195	3.526	42.422
Harrisburg, [Heisely]	.....	...	5 761	5.531	1.398	4.296	3.348	5.046	8.965	0.794	.....	?2.748	... .
Harrisburg, [Hickok]	3.090	2.840	9.200	6.280	1.820	5.950	3.930	6.520	.... .	1.160	1.490	4.040	.....
Lewisburg	2.600	2.730	5.670	5.730	2.195	4.340	2.320	4.460	4.970	1.030	2.120	3.940	41.505
Linden	.....	2.908	4.415	4.429	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morrisville (*a*)	?4.550	?3.450	?6.100	?5.300	?2.100	?4.900	?2.500	?4.400	?8.800	?3.100	?3.200	?3.250	?51.650
Mount Joy	4.790	1.910	.....	4.660	2.500	1.870	2.900	3.503	11.150	?0.860	.....	?4.020	.....
Murrysville	1.380	3.510	4.180	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nazareth	.....	.....	...	.....	.....	.....	.....	.....	6.810	1.850	3.100	.....	.....
Norristown	4.800	3.040	6.140	5.080	1.310	3.800	2.210	2.970	7.740	2.630	3.580	3.620	46.950
Philadelphia	5.230	3.569	6.503	5.668	1.946	5.229	3 915	4.447	7.779	3.210	3.796	3 460	54.752
Pittsburg, [Marine Hospital]	1.069	3.099	3.475	5.681	2.102	3.152	2.334	5.238	2.915	1.271	1.883	4.531	36.669
Pocopson	5.090	2.940	5.640	5.230	1.580	4.430	3.200	3.950	8.620	2 640	4.090	3.270	50.669
Shamokin	3.061	2.778	5.187	3 616	2.498	3.023	3.022	5.828	5.853	1.607	2.459	3.025	41.957
Somerset	1.655	4.387	3.108	5 559	1.656	3.864	1.761	3.713	4.678	1.155	1.258	3.902	36 676
West Haverford	5.000	3.280	7.830	4.910	?1.020	4.870	4.060	4.736	8.530	3.050	3.960	3.640	54.886
Westtown	4.485	2.953	6.502	. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worthington (*b*)	.....	.....	.....	.....	.....	.....	?3.750	?4.000	?5.875	?3.875	?1.750	.....	.....
DELAWARE—													
Georgetown	4.840	4.380	7.050	3.930	3.400	7.380	2.760	5.480	4.790	3.330	3.470	3.610	54.420
MARYLAND—													
Annapolis	5.160	3.790	5 720	6.120	4.060	5.760	1.150	3.630	7.400	3.070	2.100	3.480	51.450
Baltimore	4.500	3.120	4.620	4.050	1.300	1.950	*c* 6.200	3.761	.....	.....	... ..	.....	.....
Bladensburg	4.850	2 910	5.520	4.610	3.370	5.240	1.160	1.665	5.750	2.950	1.550	... ...	.....
Chestertown	.....	.....	5.990	.....	.....	3.120	2.200	.....	.....	3.130	.....	.....	.....
Frederick	5.115	4.752	5.014	5.220	4.074	2.205	1 954	1.296	11.406	1.393	1 516	3.782	47.727
Leitersburg	3.140	3.420	3.550	5.002	1.981	2.980	0.680	1.892	8.520	1.070	1.061	4.020	37.316
Sykesville (*b*)	?5.400	?2.945	?7.500	?5.683	?6.133	?3.600	?4.050	?4.000	?9.000	?2.500	?2.000	?3.450	?56.261
DISTRICT OF COLUMBIA—													
Washington	4.540	3.540	3.800	4.690	3.920	5.020	1.640	3.170	5.820	2.510	1.890	?6 220	46.760
VIRGINIA—													
Crack Whip	.....	.....	.....	.....	.. ..	.....	.... ..	.....	...	.....	.....	3 610	.....
Crichton's Store	2.562	2.374	5.170	5.254	2.062	1.620	0.376	2.200	1.753	1.650	1.110	4.650	30.721
Cross Creek	.....	3.100	?3.970	4.620	2.370	4.650	3.500	5.610	3.740	1.780	2.090	5.850	.....
Falmouth	.....	....	.....	3.580	2.431	12.721	?1.063	3.260	9.202	2.010	2.511	4.370	.....
Hartwood	5.370	3.739	4 230	.....	.....	.....	.....	.. ..	.... ..	.....	.....	.....	.....
Kanawha	.....	7.078	2.586	5.675	0.815	3 451	1.106	....	.....	.....	.....	.....	.....
Lewinsville	3.460	2.450	4.071	4.750	2.530	5.350	1.280	2.200	5.890	2 460	.....	.....	.....
Lewisburg (*d*)	?1.570	?3.580	?3.270	?4.270	?1.240	?3.470	?1.540	?2.350	?4.720	?1.130	?1.320	?2.920	?31.380
Meadow Dale	2.250	?3.131	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montross	.....	.....	.....	5.230	3.780	6.000	3.341	5.760	4.060	0.500	.....	.....	. .....
Mont View (*b*)	.....	.....	?10 000	?5.000	?1.750	?12.100	?3.800	?3.900	?10.200	?0.510	?1.800	3.760	.....
Point Pleasant (*b*)	?2.875	.....	?1.909	?8.175	?3.700	?5.887	.....	.....	.....	.....	.....	.....	.....
Poplar Grove (*b*)	.....	.....	?4.500	?8.250	?1.250	?8.646	?3.062	?9.125	?7.833	?3.125	?1.725	?8.437	.....
Portsmouth	3.710	5.612	4.140	4.990	4.450	6.360	5.020	4.490	3.530	2.360	2.600	5.320	52.582
Rose Hill	3.310	6.210	2.820	4.800	3 520	3.900	3.470	3.400	4.450	1.420	1.970	1.900	41.150
Rougemont	6.680	2 885	5 070	5.140	2.580	9.100	2.400	3.820	11.909	1.590	1.580	3.650	55.795
Ruthven	.....	4.140	5.560	3.840	3.820	.....	.....	... ...	.....	.....	.....	.....	.....
Smithfield	4.158	4.555	5.373	3.595	4.442	6.447	4 530	7.028	4.107	1.327	3.231	3.756	52.549
Westwood (*b*)	.....	.....	.....	.....	?3.250	?2.625	?5.750	?4.875	?3.250	?1.500	.....	.....	.....
Wheeling	.....	.....	.....	.....	.....	.....	.....	.....	.....	... ..	1.710	2.130	.....
Winchester	2.340	2.750	3.590	5.600	1.700	2.750	1.500	3.700	12.200	1.050	1.780	4.040	43.000
NORTH CAROLINA—													
Chapel Hill	3.126	3.353	6.281	3.435	3 659	0.692	3.946	5.686	4.069	2.259	2.704	2.981	42.171
Davidson College	5.280	4.220	.....	4.160	4.561	2.060	1.910	.....	.....	1.950	1.939	4.650	.....
Greene Plains	3.460	4.310	5 860	4.550	4.440	3.310	3.220	8.790	3.870	0.670	2.520	4.660	49.690
Murfreesborough	3.950	3.870	4.150	5.170	2.150	4.040	3.790	5.450	?4.700	0 550	2.900	2.860	43.580
SOUTH CAROLINA—													
Aiken	2.705	4.110	4.261	4.005	4.070	3.745	4.265	7.600	2.055	0.950	2.485	4.335	41.616
All Saints	4 240	2.860	7.470	1.010	1.590	3.780	4.970	6.660	6.170	0.490	3.060	2.200	44.470
Charleston	4.212	3.850	5.312	2.050	0.437	7.268	4 175	15.150	1.850	0.600	?	2.850	.....
Columbia, [Barton]	3.035	5.090	2.955	....	4.268	2.670	4.115	.....	.....	.....	.....	.....	.....
Columbia, [White]	2.230	4.320	1.870	3.220	3 490	.....	4.010	7.959	?3.300	.....	.... ..	.....	.....
St. John's	3.570	3.270	5.160	2 130	1.330	5.310	3.840	10.550	2 270	0.441	2.230	3.530	43.731
GEORGIA—													
Athens	4.009	5.171	8.473	5.980	4.209	2.611	1.411	?9.412	5 244	.....	.....	.....	.....
Atlanta	3.840	4.500	6 000	5.470	4.870	3.490	?5.610	6 780	7.210	1.620	3 870	?11 250	?64.540
Augusta	2.700	.....	5.490	2.710	2.320	3.520	4.290	8.330	6 430	0.640	2.130	5.150	.....

a Fractions less than one tenth of an inch not recorded.
b Estimated without rain gauge.
c Probably a portion of this fell in the latter part of June.
d It is probable that the amounts of rain at this place should be increased about 6¾ per cent., on account of an imperfection in the gauge.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1859.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
GEORGIA—Continued.													
Savannah	3.134	2.764	4 2 9	1 237	2.872	4.119	6.616	17.146	7.444	0.159	.....	.....	.....
Sparta	.....	5.339	5.470	3.193	3.760	2 390	6 920	13.250	4.240	1.760	2 350	8.620	.....
Thomaston	3.620	3 489	6.500	2.140	1.270	3.350	7.690	4.610	? 3.350	1.510	1.560	4.700	43.810
Thomson	2.062	2.643	4.791	2.510	2.882	.....	.....	.....	.....	.....	.....	.....	.....
Whitemarsh Island	2.810	1.570	4.890	1.920	2.760	5.650	4.220	11.390	6.365	0.190	3.770	0.690	45 650
FLORIDA—													
Alligator (*a*)	? 2.600	? 2.400	? 9.200	? 6.800	? 3.600	? 2.800	? 11 200	? 11.050	? 4.800	? 0.900	? 9.400	? 7.800	? 75.553
Alsena (*b*)	? 5.250	.....	6.150	0.802	.....	? 4.000	10.600	13.130	? 2.600	2.150	1.140	1.100	.....
Gainesville	? 1.720	2.400	7.450	1.980	? 1.810	2 890	8.710	11.590	1.630	1.450	1.830	2.240	.....
Jacksonville	1.975	2.301	5.450	2.150	1 450	1.950	6.750	12.150	5.050	2.500	3.350	1.800	46.876
Micanopy	1.300	4.310	7.520	0.930	0 810	4.043	5 412	10.381	4.381	2.550	1.970	1.770	45 467
St. Augustine	? 1.550	3.100	8.850	0.600	2.450	6 550	4.758	8.400	4.105	4.000	2.185	1.000	47.528
Salt Ponds	2.340	0.730	0 130	0.160	1.460	2.770	2.850	3.720	3.020	6.560	4 450	0.690	28.880
Warrington	.....	.....	.....	.....	.....	.....	.....	.....	5.800	0 200	1.690	5.990	.....
ALABAMA—													
Carlowville	4.740	4.830	6 270	5.690	1.460	.....	2.990	8.520	11.450	1.699	1.700	.....	.....
Greene Springs	4.170	7.870	8.000	3 180	2.280	3.150	6.161	6.300	5.450	1.250	2.660	.....	.....
Greensborough	4.423	6 515	7.295	6 460	1.790	2.866	7.181	4.398	7.280	1.860	2.190	7.110	59.371
Montgomery	4.721	4.593	11.891	? 3.840	2 080	6.460	.....	.....	.....	.....	.....	.....	.....
Moulton	.....	.....	8.692	5.830	2.735	.....	.....	.....	.....	.....	.....	.....	.....
Orville	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.823	2.862	5.462	.....
Selma	5.229	5 434	10 969	6.293	0.759	4.192	2.032	5.284	7.310	.....	.....	.....	.....
MISSISSIPPI—													
Columbus	3 065	7.394	19.023	5.420	1.747	4.281	4.020	3.873	3.805	1.718	4.055	10.715	69.117
Hernando	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.890	3.170	5.170	.....
Natchez	5.900	5.000	4.763	2 260	0.660	4.470	4.310	4.630	3.940	2.110	1.590	8.260	47.890
Paulding	? 4.635	.....	.....	5.958	2.550	3 795	3.575	3.079	2.001	.....	.....	.....	.....
LOUISIANA—													
Black River	4.270	5.460	4.740	2.180	1.940	.....	.....	.....	.....	.....	.....	.....	.....
TEXAS—													
Austin, [Palm]	.....	0.680	1.760	0 420	2 460	2 350	0.890	0.820	9.030	4.540	0.260	0.980	.....
Austin, [Van Nostrand]	2.130	1.080	1.750	0.560	2.150	1.940	1.730	1.390	10.410	4.450	0.540	1.810	30.240
Bonham	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.920	0.080	2.090	.....
Cross Roads	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.450	3.400	.....
Huntsville	2.200	0.510	2.350	0.820	1.220	4.180	2.160	0.720	4.430	1.670	0 550	2.870	23.930
Larissa	? 7.751	.....	.....	.....	.....	? 1.751	.....	.....	? 1.310	.....	6.130	6 430	.....
New Braunfels	? 1 385	? 0.639	? 1.599	.....	? 4 487	? 0.639	? 2.661	1.200	7.350	? 3.200	0.000	? 0.490	.....
Round Top	5.250	0.620	1.270	1.240	1.310	2.550	0.850	1.170	6.910	4.410	0 070	0.490	26.180
Sisterdale	1.020	0.450	1.140	0.160	1.720	4.370	1.190	1.680	7.100	1.460	? 0.100	3.110	23.560
Union Hill	4.312	0.550	? 1.677	? 1.002	.....	3.876	1.725	.....	4.193	1.542	0.051	.....	.....
Washington	4.180	0.000	2.790	0 400	1.300	5.200	2.040	1.875	7.150	1.740	0.000	0.650	27.325
Webberville (*c*)	.....	.....	.....	? 0.500	.....	.....	.....	.....	? 10.750	.....	0.003	.....	.....
ARKANSAS—													
Buckhorn (*c*)	.....	.....	.....	.....	.....	.....	.....	? 3.000	? 7.1 5	? 3.000	? 1.925	.....	.....
Washington	? 3.809	? 2 290	? 5.600	? 4.400	? 2.000	? 5.300	? 7.000	? 1.800	? 3.900	? 2.200	? 3.600	? 5.400	47.200
TENNESSEE—													
Glenwood	2.572	8.227	4 068	5.179	2.462	3.161	0.935	4.654	2.120	1.669	5.651	5.188	45.589
Memphis	4.050	7.100	6.410	6.400	.....	.....	1.750	4.480	4.760	1.489	3.770	3.470	.....
University Place	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.170	.....
KENTUCKY—													
Bardstown	3.030	8.280	4.240	6.090	2.738	2.545	1.630	6.535	3.834	2.080	3.320	.....	.....
Danville	2.391	8.462	3 722	5.032	1.765	3.985	3.701	.....	2.760	1.449	2.272	6 893	.....
Lexington	.....	.....	.....	.....	.....	.....	.....	5.616	3.782	0 957	? 2.796	.....	.....
Louisville	3.015	6.677	3.428	6.331	1 555	.....	.....	.....	.....	.....	.....	.....	.....
Millersburg	.....	.....	.....	.....	1.440	3 530	.....	.....	.....	.....	.....	.....	.....
Paris	3.150	7.283	3.821	4.666	1.419	4.367	1.890	7 040	3.495	1.121	2.246	5 000	46.201
Springdale	3.640	7.000	4.600	7.520	1.370	1 990	2.130	6.530	2.170	2.260	4.400	7.530	51.140
OHIO—													
Avon	2.275	3.990	3.975	4.280	3.235	4.230	2.100	1.740	4.090	2.199	6.360	3.527	42.001
Bellefontaine	? 1.900	? 2.610	2 940	5.540	1.760	5.020	? 0.731	2.250	2.990	1.040	5.460	3 090	? 35.331
Bowling Green	2.321	1.987	4.135	4.008	2.304	4.611	0.141	3.519	3.105	1.985	2.450	4.463	35.052
Brecksville (*c*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.810	? 5.100	? 2 600	.....
Cincinnati, [Harper]	.....	5.920	4.380	7.528	2.323	3.2.6	1.237	2 689	2.096	1.275	4.450	3.745	.....
Cincinnati, [Phillips]	? 2.941	6.424	4.897	7.625	2 225	3 060	2.660	4.000	2.370	1.400	5.510	5.290	48.462
Cleveland	2.380	? 2.350	4.810	4.590	? 2.975	3.150	1.001	3.003	3.450	2.850	3.790	4.420	38.795
College Hill	.....	.....	3.480	8.620	2.400	2.870	1.100	5.820	1.900	3 360	7.500	? 5 270	.....
Elk Run	.....	.....	.....	.....	.....	.....	.....	4.240	3.401	2 080	3.160	3.650	.....
Freedom	.....	.....	.....	.....	? 6.750	? 10.375	4.770	2 140	3.120	1.670	5.630	? 2.320	.....
Hillsborough	2 537	5 615	3.415	8.022	1.689	4.384	2.493	6.421	4.533	1.857	5.324	5.638	51.931
Hiram	2 465	? 2.420	3.955	4.250	.....	4.3 0	1 580	.....	.....	.....	.....	.....	.....
Hudson	? 2.910	? 2.700	? 4.130	3.009	2.710	4.480	1.025	3.705	2.335	? 3.050	6.550	? 4.740	? 41.375
Iberia (*c*)	.....	.....	.....	.....	.....	.....	.....	.....	.....	? 3.375	? 2.475	.....	.....
Jackson, (Monroe county)	1.950	6.390	? 3.750	6.850	1.590	5 500	1.100	6.200	4.900	2.300	1.300	5 000	46.670
Kelley's Island	.....	.....	.....	.....	.....	.....	0.790	2.040	2.970	1.330	2.470	1.950	.....
Lancaster, [Davis]	2.411	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madison, [King] (*c*)	? 2.311	? 3.462	? 6.599	? 5.979	? 3.895	? 4 250	? 2.750	? 4.875	? 4.625	? 4.000	? 5 220	? 3.250	? 51.147
Montville	? 1.720	? 2 180	? 1.799	2.869	1.542	2.252	1.097	4.829	2.733	2.012	4.535	3.207	? 30.767
New Lisbon	1.490	4.020	3.330	4.560	1.370	3.110	2.850	3.380	4.620	3.130	3 960	4.390	49.180
North Bend	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.493	4.523	.....
Northwood	2.150	.....	4.280	4.880	2.800	4 600	2 550	2,580	1.780	.....	3.700	5.010	.....
Portsmouth	2.230	7.200	3.090	8.340	1.430	4.910	1.220	6.700	1.290	2.320	2.090	6.150	45.370
Ripley	2.631	6.691	.....	.....	.....	.....	.....	.....	.....	1.121	2.627	5.317	.....
Savannah	3.290	4.335	5.261	6.778	2.205	5.085	1.299	4.315	5.516	2.530	5.456	3.571	50.565
Troy	2.203	5.193	7.050	? 7.325	4.100	4.230	0 820	3.480	2.800	1.690	4.441	3.289	46.606
Urbana	2.309	3.050	4.160	4.259	1.610	4.180	0.800	2.200	3.359	1.260	4.690	4.660	36.510
Welchfield	3.500	4.276	6.774	4.532	3.604	4.643	2.273	4.599	3.788	4.551	6.992	6.626	56.158
Westerville	? 2.653	3.530	4 167	4.880	1.610	5.241	0.278	5.527	5.425	1.259	5.859	4.771	45.191

a Fractions less than one-tenth of an inch not recorded.
b Recorded in inches and twentieths.
c Estimated without rain gauge.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1859.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
MICHIGAN—													
Battle Creek	2.700	1.030	?4.650	3.270	1.550	5.080	0.830	1.530	3.150	3.040	3.930	1.150	31.860
Detroit	1.970	1.660	2.980	2.240	1.680	2.290	2.170	3.160	2.315	2.340	4.300	1.820	28.915
Fort Gratiot	.....	.....	.....	.....	.....	1.610	2.859	2.783	.....	.....	.....	.....	.....
Grand Haven	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.380	2.350	2.960	.....
Grand Rapids	2.250	.....	7.580	4.770	3.510	4.310	0.700	0.860	3 870	3.740	6.420	1.600	.....
Lake George	.....	.....	.....	.....	.....	.....	3.680	.....	2.942	.....	.....	.....	.....
Marquette	?1.781	?2.920	?3.510	?3.665	6.670	3.770	3.260	3 620	3.640	3.760	3.730	2.923	?42.550
Monroe, [Bowlsby] (*a*)	.....	.....	.....	.....	.....	.....	?0.970	?4.600	.....	?2.375	?4.612	.....	.....
Monroe Piers	.....	.....	.....	.....	.....	.....	0.650	4.140	2.100	1.850	2.470	?3.930	.....
New Buffalo	2.930	1.730	4.050	4 450	3.360	3.470	1.380	2 600	7.810	4.780	3.870	3.190	43.120
Ontonagon	.....	.....	.....	.....	.....	.....	.....	2.720	2 030	0.925	2 930	2.495	.....
Ottawa Point	?2.570	0.260	1.700	2.100	2.250	1.250	1.220	0.370	1 910	?2.060	?3.020	?2.340	?21.070
St. Mary's	.....	.....	.....	.....	.....	5.441	.....	.....	.....	.....	.....	.....	.....
Thunder Bay Island	5.970	2.530	4.280	3.790	1.380	2.340	3 030	0.700	3.950	2.010	4.510	2.590	37.140
Ypsilanti	1.910	?1.690	3.800	?3.470	2.560	3.180	1.090	4.200	2.870	3.210	3.830	3.580	?35.420
INDIANA—													
Aurora (*b*)	?3.437	?6.875	?3.467	?6.300	?2 375	?2.512	?1 458	?5.500	?1.708	?3.375	?5.637	?5.125	?47.790
Cannelton	2.050	4.460	3.350	4.930	1.200	3.560	1.790	1.850	4.010	1.160	3.470	4.560	36.390
Logansport	?1.591	.....	4.630	?4.870	2.890	1 810	.....	4.920	?6.660	2.551	3.910	.....	.....
Michigan City	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.640	1.300	2.579	.....
Mishawaka	.....	.....	.....	3.569	2.100	13.150	1.150	6.209	9 600	5.701	.....	.....	.....
New Harmony	?1.873	5.010	4.050	4.320	3.050	2.090	3.520	3.080	4.820	1.150	6.410	4.940	?41.333
Richmond, [Moore]	2.480	?4.287	4.800	6.865	1.795	4.920	1.700	.....	.....	.....	.....	.....	.....
ILLINOIS—													
Augusta	3.877	3.635	4.589	3.350	7.811	6.784	1.218	5.431	3.719	1.795	1.790	1.685	41.884
Aurora	1.821	1.220	6 009	2.930	2.690	2.880	2.020	2.520	3.060	1.530	3.080	0.750	30.471
Batavia, [Mead]	1.900	1.140	6.610	3.190	4.000	2.800	1.190	1.930	2.940	1.780	2.230	1.370	31.030
Brighton	1.970	?3.540	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edgington	.....	.....	.....	.....	.....	.....	3.080	1.010	2.010	1.010	.....	.....	.....
Elgin	1.800	1.012	6.145	2.890	4.862	1.487	1.510	0 918	2.810	0.665	3.720	0.900	28.789
Lebanon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.820	4.310	.....
Manchester	2.031	2.475	4.151	3.619	10.760	5.495	2.700	2.810	2.850	1.220	2.920	1.300	42.351
Marengo	1.240	2.060	?6.710	?8.820	2.930	2.080	1.850	?0.970	2.600	.....	4 860	.....	.....
Ottawa	1.713	0.860	5.243	4.082	3.120	1.681	0.732	3.440	1.663	2.342	2.089	0 941	27.912
Pekin	2.006	1 845	5.744	2.726	3.550	1 905	0.449	3.766	2.767	1.912	2.535	1.093	30.298
Peoria	1.500	1.420	5.082	2.600	3.170	2.180	0.670	4.140	2.840	2.150	2.400	1.239	29.382
Riley	1.230	1.720	4 330	3.130	3.390	2.300	1.140	1.520	1.940	1.040	2.310	1.485	25.533
Sandwich	.....	.....	5.180	4.070	4.370	.....	1.450	2.753	?6.250	4.100	4.370	?0.500	.....
Upper Alton	1.085	?2.700	3.090	3.950	5.000	4.440	2 140	2.307	2.958	.....	.....	.....	.....
Waynesville (*b*)	?1.530	?1.987	?3.085	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Salem	2.260	4.690	4 020	5.910	2.780	2.640	4.110	1.620	3.620	0 930	4.170	4.330	41.020
West Urbana	1.182	2.955	2.073	4.793	2.817	2.293	1.709	4 935	5 128	1.576	?1.696	?2.292	33.430
Wheaton	1.875	1.161	7.280	3.285	4.175	2.470	1.280	1.410	2.030	2.250	2.310	1.269	30.786
Winnebago	1.280	?1.360	4.880	3.440	2.820	2.420	1.890	1.340	2.570	0.680	3.040	0.790	25.510
MISSOURI—													
Rhineland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.075	.....
St. Louis	2.320	5.350	7.320	4.890	6.000	11.020	5.540	2.930	4.440	1.800	5.410	3.760	61.380
WISCONSIN—													
Appleton	?0.750	2.128	4.062	?3.150	.....	3.372	1.122	1.876	3.335	2.293	3.381	0.312	.....
Bay City (*b*)	?1.310	?1.350	?4.600	?5.600	12.350	.....	3.950	6.150	?4.800	3.600	4.350	?0.902	.....
Bayfield	?1.800	?2.100	?4.220	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beloit	1.089	.....	4.172	2.448	2.687	2.717	1 420	9.310	2.230	0.859	2.305	?0.887	.....
Green Bay	.....	.....	.....	.....	1.440	3.800	2.100	?1.009	?4.250	?3.559	?3.725	.....	.....
Kenosha	1.490	1.460	4.450	4.160	3.610	2.160	0.740	0.631	3.520	1.700	2.120	?1.600	27.551
Madison	.....	.....	3 070	.....	.....	3.331	.....	.....	.....	.....	.....	.....	.....
Milwaukee, [Winkler]	1.100	1.200	4 420	4.570	3.620	3.970	2.080	0.270	2.350	1.520	3.120	0.640	28.860
Platteville	?1.000	1.000	?5.098	3.138	2.012	6.535	2.282	0.763	1.418	0.821	2.257	.....	.....
Rocky Run	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.937	?1.192	.....
Superior, [Stuntz]	.....	.....	.....	.....	.....	.....	.....	3.610	2.240	1.420	2.059	0.580	.....
Wausau	.....	?0.812	.....	?6.900	.....	?14.500	?3.600	.....	.....	.....	.....	.....	.....
IOWA—													
Bellevue	?1.800	1.650	6.370	3.490	3.250	3.350	2.030	0.690	1.430	0.940	2.420	0.550	27.970
Border Plains (*b*)	?0.375	?1.750	?2.750	?4.500	?6.125	?2.125	?3.250	?3.812	?2.875	.....	.....	.....	.....
Burlington	.....	.....	.....	.....	.....	.....	.....	?1.605	3.290	0.550	0.780	.....	.....
Dubuque	.....	1.220	4.510	4.160	.....	4.610	3 420	1.060	2 830	0.600	?1.915	0.330	.....
Fairfield	?1.455	?2.400	?5.300	2.860	5.710	8.100	7.460	1.751	?3.600	?0.911	?2.650	?0.150	?42.347
Fort Madison	2.630	1.753	4.560	2.330	6.610	6.840	4.290	1.810	3.999	0.800	1.400	0.392	37.465
Lyons City	.....	.....	.....	.....	.....	.....	.....	0.920	1.830	0.785	2.870	.....	.....
Muscatine	0.900	?3.890	4.610	3.590	7.490	5.820	2.930	1.700	1 890	0.850	1.330	?1.810	?36.720
Pleasant Plain	?0.780	1.810	4.500	2.470	6.170	8.300	5 550	3.470	3.850	1 000	1.850	?0.170	39.950
Rossville	0.431	0.830	3.030	3.290	2.770	7.400	5.200	0.690	3.800	0.559	2.640	0.660	31.291
Sioux City	0.000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MINNESOTA—													
Beaver Bay	1.510	0.835	3.550	4.165	6.097	4 460	3.981	2.889	2.388	1.427	1.463	?0.750	33.515
Burlington	?1.476	?0.737	?3.337	.....	6.540	7.140	5.790	4.610	2.510	?1.825	?3.301	?0.750	.....
Chatfield	.....	.....	.....	.....	7 467	6.975	5.565	3.265	3.717	0.795	2 585	?0.525	.....
Forest City	?0.760	.....	?2.620	0.460	4.859	6.270	3.870	5.260	4.870	.....	?0.940	?0.851	.....
Hazlewood	0.570	0.730	?2 370	1.220	4.590	7.390	2.650	1.930	?1.910	.....	.....	0.840	.....
Princeton	?0.602	0.030	3 280	3.280	3.830	7.030	3.240	6 620	6.910	1.110	1.840	.....	.....
NEBRASKA—													
Bellevue	0.720	1.130	1.420	1.570	4.980	1.620	1.410	2.250	1.460	0.860	0.470	.....	.....
Deer Creek Agency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 330	0.660	.....
Gilbert's Trading Post	?2.090	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nebraska City	.....	.....	.....	.....	5.690	4.220	2.080	1.490	3.500	2.130	2.270	0.200	.....
Omaha, [Byers]	1.011	1.070	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Omaha, [Rain]	0.720	0.960	1.730	1.700	6.180	2.560	2.020	1.800	1.220	0.980	0.870	0.520	21.270

a Without rain gauge.

b Estimated without gauge.

No. 50.—INCHES OF RAIN AND MELTED SNOW, 1859.

NAME OF STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for the year.
KANSAS—													
Burlingame	1.340	0.220	3.050	2.222	6.2c0	7.203	3.700	4.420	1.250	0.100	.....	.....	.....
Leavenworth City, [McCarty]...	1.410	... .	.....	.....	... .	.....	.....	.....	... ..	.....	.....	.....	.....
Manhattan	1.500	0.610	2.880	2.540	9.420	3.570	4 990	6.840	1 820	0.640	1.200	0 201	35.211
Neosho Falls	.....	.....	2.410	3.260	8.170	6.770	2.550	5.530	2.650	0.850	0.270	0.150	... .
UTAH—													
Great Salt Lake City	0.648	3.880	3.331	1.430	1.847	0.108	.....	0 125	1.577	0.225	3.850	0.760	.....
OREGON—													
Oregon City	6.120	8.280	10.720	.....	.....	.....	.....	... ...	.....	.....	.....	.....	.....
Portland	.....	8.950	7.850	1.440	1.510	0.130	? 0.220	0.870	.....	.....	.....	.....	.....
CALIFORNIA—													
Crescent City	.....	.....	.....	.....	.....	.....	... .	.....	.....	.....	.....	4.990	.....
Downieville	. ....	.....	.....	.....	.....	.....	.....	.....	... ...	.....	20.510	4.890	... .
Sacramento	0.966	3.906	1 637	0.981	1.037	0.009	0.030	0.001	0.026	0 000	6.485	1.834	16.903
San Francisco	1.850	5.261	3.069	4.000	1 510	0.000	0.001	0.022	0.001	0.450	7.691	1.555	25.410
Santa Clara	..... .	....	.....	.....	.....	....	... .	.....	.....	.....	3 250	1.200	. .....
Union Ranche	.....	... ...	.....	.....	.....	0.000	? 0.003	0.000	0.120	.....	7.210	2.630	.....
MEXICO—													
Cordova	4.210	1.300	0.940	6 100	2.700	25.470	16.770	10.260	23.270	8.070	1.020	3.740	101.010
Minatitlan	..... .	....	0.100	0.150	1.820	.... ..	.....	.....	.. .. ..	.....	.....	.....	.....
Mirador	2.214	0.394	1.339	2.008	1.201	21.142	12.146	6.220	16.043	9.016	1.831	1.752	75.336
WEST INDIES—													
Ireland Island, Bermuda	.....	4.310	...	.....	.....	... ..	... ..	.....	.....	.....	.....	.....	.....
St. George's, Bermuda (*a*)	2.740	4.900	1.980	1.560	2.640	2.550	3.950	3 860	6.770	7.640	9.490	3.360	51.450
St. George's, Bermuda (*b*)	2.320	4.210	1.820	1.170	2.180	2.310	3.400	3.530	6.170	7.850	8.400	3.260	c 47.120
CENTRAL AMERICA—													
Guatemala	0.390	0.126	1.945	2.209	8.063	10.171	5.953	8.808	11.422	9.480	0.512	0.189	59.358
SOUTH AMERICA—													
Catharina Sophia, Surinam	12.685	3.762	5.921	4.870	10.435	13.822	9.947	5.409	4.620	3.585	3.009	8.764	. ...
EASTERN CONTINENT—													
Jerusalem, Palestine	4.150	? 2.898	5.200	.....	.....	....	.....	.....	.....	.....	.....	... .	.....

a On the ground.
b Twenty feet above the ground.

c Owing to a probable misprint in the abstract from which this was taken, this total does not agree with that obtained from the separate months.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
British America	Hamilton	29.64	Jan. 10	9 a. m.	*a* 30.20	March 18	9 a. m.	28.44	1.76
	St. John's	29.56	Dec. 5	7 a. m.	30.51	April 7	7 a. m.	28.23	2.28
	Windsor	29.91	Dec. 4	7 a. m.	30.78	Feb 21	7 a. m.	28.97	1.81
Maine	Gardiner	29.92	Dec. 4	7 a. m.	30.81	March 19	2 p m.	29.01	1.80
	Perry	29.90	Dec. 4	7 a. m.	30.80	March 26	9 p. m.	29.04	1.76
	Portland	29.91	Dec. 3	9 p. m.	30.71	March 19	2 p. m.	29.01	1.70
	Steuben (*b*)	29.90	Dec. 7	7 a. m.	30.77	Feb. 20	9 p. m.	29.02	1.75
New Hampshire	Shelburne	29.76	----------	--------	?	----------	--------	?	------
Vermont	Burlington	29.61	Dec. 3	9 p. m.	30.42	March 19	7 a. m.	28.46	1.96
	St. Johnsbury	29.36	Dec. 3	9 p. m.	30.09	March 19	7 a. m.	28.26	1.83
Massachusetts	Amherst	29.76	Dec. 3	9 p. m.	30.43	March 19	7 a. m.	28.82	1.61
	Cambridge	29.94	Jan. 24	9 p. m.	*c* 30.63	March 19	2 p. m.	29.04	1.59
	Lawrence	29.83	Dec. 3	9 p. m.	30.57	March 19	7 a. m.	28.95	1.62
	Nantucket	29.98	Nov. 7	7 a. m.	30.63	March 29	9 p. m.	29.13	1.53
	New Bedford	29.91	Jan. 24	9 p. m.	30.60	March 29	9 p m.	*d* 29.13	1.47
	Westfield	29.89	Dec. 3	9 p. m.	30.55	March 19	7 a. m.	29.02	1.53
	Worcester	29.42	Dec. 24	7 a. m.	30.40	April 23	9 p. m.	28.54	1.86
Rhode Island	Providence	29.81	Jan. 24	Sunrise	30.50	April 23	10 p. m.	28.96	1.54
Connecticut	Middletown	29.86	Dec. 24	7 a. m.	30.46	April 23	2 p. m.	28.89	1.55
	Pomfret	29.36	Jan. 24	9 p. m.	*c* 29.99	April 23	9 p. m.	28.49	1.50
	Wallingford	29.90	Dec. 24	7 a. m.	30.55	April 23	9 p. m.	28.94	1.61
New York	Bellport	29.31	Jan. 24	7 a. m.	29.89	March 4	2 p. m.	28.36	1.53
	Buffalo	29.33	Dec. 3	7 a. m.	30.01	March 18	9 p. m.	28.25	1.76
	Cazenovia	28.57	Nov. 6	9 p. m.	29.38	March 19	7 a. m.	27.52	1.86
	Flatbush	29.95	May 4	7 a. m.	30.79	April 23	2 p. m.	29.01	1.78
	New York city	30.00	Jan. 24	7 a. m.	30.65	March 19	7 a. m.	29.19	1.46
	Oswego	29.27	Dec. 3	2 p. m.	29.93	March 19	7 a. m.	28.20	1.73
	Penn Yan	29.45	Dec. 3	2 p. m.	30.02	March 19	Sunrise.	28.40	1.62
	Rochester, [Dewey]	29.31	Jan. 10	2 p. m.	30.16	March 19	7 a. m.	28.12	2.04
	Waterford	29.94	Dec. 3	9 p. m.	30.58	March 19	7 a. m.	28.94	1.64
New Jersey	Lambertville	30.00	Jan. 24	9 p. m.	30.62	April 23	2 p. m.	29.00	1.62
	Newark	29.96	Nov. 7	7 a. m.	30.60	April 23	9 p. m.	29.10	1.50
Pennsylvania	Berwick (*e*)	29.31	Jan. 23	9 p. m.	*f* 29.84	April 23	2 p. m.	28.25	1.59
	Cannonsburg	28.81	Jan. 23	7 a. m.	29.37	March 29	7 a. m.	28.00	1.37
	Chambersburg	29.35	Jan. 24	7 a. m.	29.90	April 23	2 p. m.	28.14	1.76
	Easton	29.61	Nov. 7	7 a. m.	30.22	March 19	7 a. m.	28.76	1.46
	Gettysburg	29.48	Jan. 24	7 a. m.	30.09	April 23	2 p. m.	28.13	1.96
	Harrisburg, [Heisely]	29.76	Jan. 24	7 a. m.	*g* 30.35	Jan. 15	2 p. m.	29.23	1.12
	Harrisburg, [Hickok]	29.75	Jan. 24	7 a. m.	30.33	April 23	9 p. m.	29.01	1.32
	Lewisburg	29.55	Jan. 24	7 a. m.	30.15	April 23	2 p. m.	28.54	1.61
	Morrisville	30.07	Jan. 24	2 p. m.	*h* 30.72	April 23	2 p. m.	29.17	1.55
	Mount Joy (*e*)	29.67	Jan. 24	9 p. m.	30.22	April 23	2 p. m.	28.58	1.64
	Norristown	29.92	Jan. 24	7 a. m.	30.56	April 23	2 p. m.	28.85	1.71
	Philadelphia	29.86	Jan. 24	7 a. m.	30.47	April 23	2 p. m.	28.89	1.58
	Pittsburg, [Marine Hosp.]	28.94	Jan. 23	2 p. m.	29.53	March 29	7 a. m.	28.12	1.41
	Somerset	29.63	Jan. 23	7 a. m.	28.01	April 23	7 a. m.	26.84	1.17
Maryland	Annapolis	29.83	Jan. 24	7 a. m.	30.45	April 23	9 p. m.	28.77	1.68
	Frederick	29.74	Jan. 24	7 a. m.	30.47	April 23	7 a. m.	28.63	1.84
Dist. of Columbia	Washington	30.00	Jan. 24	7 a. m.	30.61	April 23	7 a. m.	28.89	1.72
Virginia	Portsmouth	29.98	Dec. 11	9 p. m.	? 30.81	April 23	7 a. m.	29.18	1.63
North Carolina	Chapel Hill	29.59	Jan. 24	7 a. m.	30.15	March 18	2 p. m.	*i* 28.92	1.23
	Murfreesborough	29.25	Aug. 30	7 a. m.	30.22	March 29	2 p. m.	28.68	1.54
South Carolina	All Saints	29.99	Jan. 23	9 p. m.	30.53	July 20	2 p. m.	28.72	1.81
	Charleston	30.10	Jan. 24	7 a. m.	30.62	March 29	2 p. m.	29.51	1.11
	St. John's (*j*)	30.15	Jan. 19	2 p. m.	30.60	March 29	2 p. m.	29.57	1.03
Georgia	Atlanta (*k*)	30.04	Jan. 2	2 p. m.	*l* 30.40	March 29	7 a. m.	29.45	0.95
	Thomaston	28.96	April 1	7 a. m.	29.81	March 29	7 a. m.	28.49	1.32

a Same height, November 6th, at 9 a. m.
b For 11 months only, September wanting.
c Same height, November 7th, at 7 a. m.
d Same height, April 23d, at 2 and 9 p. m.
e Not corrected for temperature.
f Same height, January 24th, at 7 a. m. and 2 p. m.; November 6th, at 7 a. m.; and November 7th, at 2 and 9 p. m.
g Same height, June 12th, at 7 a. m.
h Same height, January 24th, at 9 p. m.
i Same height, April 22d, at 9 p. m.
j Aneroid.
k Not corrected for temperature. For 11 months only, Feb'ry wanting.
l Same height, November 2d, at 2 p. m.

No. 51.—BAROMETER, CORRECTED TO 32° F.—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.		MEAN.	MAXIMUM.			MINIMUM.			Range for the year.
			DATE.		HEIGHT.	DATE.		HEIGHT.	
			Day.	Hour.		Day.	Hour.		
		Inches.			*Inches.*			*Inches.*	*Inches.*
Florida	Atsena	29.80	Jan. 18	9 p. m.	30.12	Oct. 28	2 p. m.	29.22	0.90
	Jacksonville	30.11	Dec. 9	7 a. m.	30.60	Feb. 9	7 a. m.	29.66	0.94
	St. Augustine	29.95	Jan. 18	2 p. m.	*a* 30.40	March 28	7 a. m.	29.51	0.89
	Salt Ponds (*b*)	29.69	Jan. 19	2 p. m.	29.93	Oct. 28	7 a. m.	29.32	0.61
Mississippi	Columbus	29.84	Jan. 23	7 a. m.	30.59	March 28	9 p. m.	29.04	1.55
	Natchez	29.52	Jan. 22	9 p. m.	30.20	March 28	2 p. m.	*c* 28.80	1.40
Texas	New Braunfels	27.72	Jan. 4	9 p. m.	28.15	March 28	2 p. m.	27.40	0.75
	Sisterdale	29.67	?		?	?		?	
	Washington	29.68	Jan. 23	7 a. m.	30.34	March 28	2 p. m.	28.95	1.39
Tennessee	Glenwood	29.56	Jan. 23	7 a. m.	30.29	March 28	9 p. m.	28.65	1.64
Kentucky	Barnstown	29.44	Jan. 22	9 p. m.	30.14	March 18	7 a. m.	28.85	1.29
	Springdale	29.39	Jan. 23	7 a. m.	30.09	March 28	9 p. m.	28.61	1.44
Ohio	Avon	29.04	Jan. 23	7 a. m.	29.64	March 29	7 a. m.	28.19	1.45
	Bowling Green	29.22	Jan. 23	7 a. m.	29.84	March 18	2 p. m.	28.38	1.46
	Cincinnati, [Harper]	29.40	Jan. 23	7 a. m.	30.18	Dec. 17	2 p. m.	28.57	1.61
	Cincinnati, [Phillips]	29.57	Jan. 23	7 a. m.	30.45	Dec. 17	2 p. m.	28.71	1.74
	Cleveland	29.01	Jan. 23	7 a. m.	29.50	March 29	7 a. m.	28.17	1.33
	Hillsborough	28.68	Jan. 23	7 a. m.	29.43	Oct. 26	2 p. m.	27.71	1.72
	Hudson	28.80	Jan. 23	7 a. m.	29.34	March 29	7 a. m.	27.87	1.47
	Montville	28.68	March 1	7 a. m.	29.42	March 29	7 a. m.	27.74	1.68
	New Lisbon (*b*)	28.73	Nov. 24	7 a. m.	29.34	March 18	2 p. m.	27.70	1.64
	Portsmouth	29.34	Jan. 23	7 a. m.	29.86	March 18	2 p. m.	*c* 28.82	1.04
	Savannah	28.86	Jan. 23	7 a. m.	29.45	March 29	7 a. m.	27.90	1.55
	Troy	29.90	Jan. 18	2 p. m.	30.50	March 28	9 p. m.	29.11	1.49
	Urbana	28.88	Nov. 24	7 a. m.	30.37	March 29	7 a. m.	28.03	2.34
	Westerville	28.87	Jan. 23	7 a. m.	29.46	March 29	7 a. m.	28.00	1.46
Michigan	Battle Creek	29.92	Nov. 24	7 a. m.	29.63	March 28	9 p. m.	28.16	1.47
	Detroit	29.22	Dec. 3	7 a. m.	30.04	March 29	2 p. m.	27.97	2.07
	Marquette	29.28	Nov. 5	9 p. m.	29.89	April 14	7 a. m.	28.39	1.50
	New Buffalo	29.29	Jan. 22	9 p. m.	29.88	March 28	9 p. m.	28.38	1.50
	Ottawa Point	29.36	Nov. 6	9 a. m.	30.13	March 29	6 a. m.	28.06	2.07
	Thunder Bay Island	29.34	Dec. 3	9 a. m.	30.07	March 29	9 a. m.	28.04	2.03
	Ypsilanti	29.00	Nov. 25	2 p. m.	29.56	March 29	7 a. m.	28.09	1.47
Indiana	Aurora	29.52	Jan. 22	9 p. m.	30.07	March 28	9 p. m.	28.66	1.41
	Cannelton	29.65	Jan. 22	9 p. m.	30.41	March 28	9 p. m.	28.72	1.69
	New Harmony	29.67	Jan. 22	9 p. m.	30.43	March 28	9 p m.	28.65	1.78
Illinois	Batavia, [Mead]	29.15	Jan. 22	7 a. m.	*d* 29.78	March 28	9 p. m.	28.41	1.37
	Manchester	28.75	Jan. 22	7 a. m.	29.57	April 10	9 p. m.	28.20	1.37
	Marengo	28.92	Jan. 18	2 p. m.	29.59	March 3	2 p. m.	28.23	1.36
	West Urbana	29.18	Jan. 22	9 p. m.	29.87	April 10	9 p. m.	28.51	1.36
	Wheaton	29.19	Jan. 22	9 p. m.	29.83	March 28	9 p. m.	28.32	1.51
Missouri	St. Louis, [Engelmann]	29.52	Jan. 22	2 p. m.	*e* 30.30	March 28	2 p. m.	28.54	1.76
Wisconsin	Appleton	28.95	Dec. 3	7 a. m.	29.59	March 3	2 p. m.	28.15	1.44
	Beloit	29.14	Jan. 22	9 p. m.	29.77	March 28	2 p. m.	28.30	1.47
	Kenosha (*b*)	29.60	Jan. 20	9 p m.	30.06	March 28	9 p. m.	28.77	1.29
	Manitowoc (*b*)	29.71	Nov. 23	9 p. m.	*f* 30.29	March 3	2 p. m.	28.90	1.39
	Milwaukee, [Winkler]	29.27	Jan. 22	2 p. m.	29.82	March 3	2 p. m.	28.54	1.28
Iowa	Dubuque	29.32	Jan. 22	2 p. m.	30.00	Nov. 25	2 p. m.	28.49	1.51
	Fairfield	27.22	Jan. 22	7 a. m.	28.40	April 10	9 p. m.	26.62	1.78
	Muscatine	29.47	Jan. 22	9 p. m.	30.17	March 3	7 a. m.	*g* 28.75	1.42
Minnesota	Beaver Bay, [Clark]	29.18	Dec. 2	7 a. m.	29.89	March 3	9 p. m.	28.38	1.51
California	Sacramento	30.01	Jan. 7	7 a. m.	30.49	Jan. 31	2 p. m.	29.44	1.05
Mexico	Cordova	27.14	Jan. 23	9 a. m.	27.58	March 28	3 p. m.	26.74	0.84
	Mirador	22.94	Dec. 10	2 p. m.	23.28	March 28	2 p. m.	22.52	0.76
West Indies	St. George's, Bermuda	29.97			30.46			29.40	1.06
Central America	Guatemala	25.25	Nov. 14	10 p. m.	25.43	Oct. 20	4 p. m.	25.06	0.37
South America	Catharina Sophia, Surinam	29.89	Aug. 23	6 a. m.	30.00	May 18	2 p. m.	*h* 29.79	0.21
	Catharina Sophia, Sur. (*i*)	29.79	Jan. 6	2 p. m.	*j* 30.06	Sept. 17	6 a. m.	29.54	0.52

a Same height, January 18th, at 9 p. m.
b Not corrected for temperature.
c Same height, March 28th, at 9 p. m.
d Same height, January 22d, at 2 p. m.
e Same height, January 22d, at 9 p. m.
f Same height, December 3d, at 7 a. m.
g Same height, April 10th, at 9 p. m.
h Same height, October 21st, at 2 p. m.
i Aneroid.
j Same height, January 7th and 18th, at 6 a. m.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
					HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
	7 a. m	2 p. m	9 p. m	Mean	Date.	Temp.	Date.	M'n temp	Date.	Temp	Date.	M'n temp		
	°	°	°	°		°		°		°		°	°	
BRITISH AMERICA—														
Hamilton (*a*)	46.93		46.84	46.88	July 12	88	July 12	86.50	Jan. 1	—20	Jan. 9	—11.50	108	
Red River Settlement				32.31	July 9	*b* 91	July 14	79.00	Jan. 7	—39	Jan. 7	—31.00	130	4.20
St. John's	43.55	49.47	42.36	45.13	Aug. 11	88	Aug. 11	78.00	Jan. 25	1	Jan. 3	4.33	87	5.91
St. Martin (*c*)	34.91	49.57	39.42	41.30	July 12	97	July 23	85.30	Jan. 10	—44	Jan. 10	—28.70	141	
Stanbridge	38.20	47.64	39.69	41.84	June 29	90	July 12	81.33	Jan. 10	*d* —36	Jan. 10	—30.00	126	5.87
Toronto (*c*)	40.94	48.63	42.80	44.12	June 29	85	July 12	79.88	Jan. 10	—26	Jan. 10	— 8.65	111	6.12
Windsor	39.70	49.35	41.63	43.56	Aug. 4	86	Aug. 5	73.33	Jan. 13	— 9	Jan. 11	— 1.33	95	6.38
MAINE—														
Cornish, [West]	37.69	47.77	39.58	41.68	July 12	87	June 29	80.67	Jan. 11	—32	Jan. 11	—18 67	119	4.55
Cornish[3]e, [Westville]	40.42	49.38	42.23	44.01	June 29	90	June 29	*e* 82.60	Jan. 11	—23	Jan. 10	*f* —13.00	113	4.89
Dexter														5.64
Gardiner	37.92	48.42	39 19	41.84	July 12	85	June 29	79.00	Jan. 11	—32	Jan. 11	—19.67	117	5.57
Perry	37.74	46 93	38.94	41.20	July 13	87	July 13	71.33	Jan. 11	—22	Jan. 11	—12 67	109	4.73
Portland	40.11	48.24	41.75	43.37	June 25	*g* 85	June 29	79.67	Jan. 11	—23	Jan. 11	—14.00	108	5 50
Steuben (*h*)	38.93	47 37	39.34	41.88	Aug. 9	83	July 13	72.67	Jan. 11	—21	Jan. 10	—11.00	104	5.86
NEW HAMPSHIRE—														
Shelburne														6.19
Stratford	35.36	47.39	37.51	40.09	July 12	91	July 12	81.33	Jan. 11	—36	Jan. 10	—24.00	130	5.68
VERMONT—														
Brandon	39.75	50.88	42.03	44.22	May 7	*i* 90	July 12	81.33	Jan. 10	—27	Jan. 10	—23.67	117	5.17
Burlington	39.70	47.24	41.59	42.81	June 29	88	July 12	80 33	Jan. 10	—31	Jan. 10	—26.83	119	5.62
Craftsbury	35 95	46.65	39 47	40.69	June 29	*e* 87	July 12	79.00	Jan. 11	—35	Jan. 10	—25 00	122	6.41
Rupert	41.52	51.22	47.59	47.78	Aug. 14	98	July 12	82.67	Jan. 10	—21	Jan. 10	—18.10	122	5.31
St. Johnsbury	33.99	48.50	37.51	40.00	June 29	92	June 29	*e* 76.67	Jan. 11	—40	Jan. 11	—29.33	132	5.51
MASSACHUSETTS—														
Amherst	41.19	52.81	44.41	46.11	June 29	91	July 12	78.90	Jan. 11	—19	Jan. 11	—12.50	110	5.04
Cambridge	43.11	53.22	45.12	47.15	June 29	95	July 12	79.67	Jan. 11	—17	Jan. 10	— 5.50	112	5.36
Lawrence	41.61	52 05	43.97	45.89	June 29	91	June 29	79.00	Jan. 11	—17	Jan. 10	— 7.00	108	5.67
Mendon	42.99	53.10	44 55	46.88	June 29	93	July 12	81.67	Jan. 11	—18	Jan. 10	*f* — 7.67	111	4.85
Nantucket	49.45	54.47	48.42	50.78	Aug. 14	81	Aug. 14	74.67	Jan. 10	9	Dec. 28	11 33	72	5 03
New Bedford	45.16	53.54	45.57	48.09	June 29	*e* 83	July 12	74.80	Jan. 11	—12	Jan. 10	— 2.50	95	5.82
Westfield	40.24	52.67	43.71	45 54	June 29	93	July 12	79.33	Jan. 11	—21	Jan. 11	—14.67	114	5.58
Worcester	43.53	53.58	45.76	47.62	June 29	92	July 12	81.83	Jan. 11	—15	Jan. 11	— 5.17	107	5.32
RHODE ISLAND—														
Providence (*j*)	44.77	55.16	46.02	48 65	July 12	90	June 29	79.33	Jan. 11	—11	Jan. 11	— 5.33	101	5.11
CONNECTICUT—														
Columbia	43 22	54.91	42.73	46.95	July 13	93	July 12	80.00	Jan. 11	—14	Jan. 10	— 7.00	107	5.12
Middletown	42.75	57 24	44.97	48.32	June 29	*k* 95	July 11	81.80	Jan. 11	—17	Jan. 11	—10.20	112	4.58
Pomfret	41.70	50 78	43 72	45.40	June 29	87	July 12	78 50	Jan. 11	—16	Jan. 10	—10.17	103	5.31
Saybrook	45.14	53.79	46.59	48 51	July 13	88	July 12	76.67	Dec. 29	—17 ?	Jan. 10	— 5.00	105 ?	5.17
Wallingford	41.94	55.15	44.91	47.33	June 29	*k* 94	July 12	81.17	Jan. 11	—17	Jan. 11	—10.17	111	4.38
NEW YORK—														
Bellport	47.32	54.16	47.34	49.61	July 12	86	Aug. 4	79.33	Jan. 10	0	Jan. 10	3.00	86	4.67
Beverly	43 72	53 31	46.24	47.77	July 13	88	June 29	78.33	Jan. 10	—16	Jan. 10	—15.00	104	5.22
Buffalo (*l*)	46.14	50.91	47.94	48.33	July 14	*m* 87	July 14	*n* 80.33	Jan. 10	—10	Jan. 10	— 1.33	97	5.23
Flatbush	46.19	55.80	47.54	49.91	June 29	93	June 29	84.20	Jan. 10	— 8	Jan. 10	— 5.10	101	5.29
Nichols	42.74	56.51	43.61	47.63	July 19	95	July 19	80.33	Jan. 10	—18	Jan. 10	—13.00	113	6.03
Oswego	43.35	50 94	44.98	46.42	Aug. 3	86	July 12	80.00	Jan. 10	—18	Jan. 10	—15.00	104	5 70
Penn Yan (*o*)	39.54	53.98	46.01	46.51	July 11	85	July 13	80.67	Jan. 10	—15	Jan. 10	— 9.00	110	3.54
Rochester, [Dewey]	44.56	53.51	46.92	48.33	July 11	94	July 12	83 67	Jan. 10	—10	Jan. 10	— 0.67	104	5.84
Wampsville	41.53	52.10	42.45	45.36	July 13	90	July 13	78.67	Jan. 10	—28	Jan. 10	—22.00	118	6.10
Waterford	43.30	54.08	45.94	47.77	June 12	92	July 12	84.54	Jan. 10	—20	Jan. 10	—17.00	112	5.17
NEW JERSEY—														
Frechold	46.61	58.25	49.02	51.29	July 13	99	June 29	85 33	Jan. 10	— 6	Jan. 10	— 3.00	105	
Lambertville	45.68	59.71	48.31	51.23	July 13	100	July 12	85 37	Jan. 10	— 7	Jan. 10	— 3.37	107	4.68
Newark (*p*)				50.11	June 29	*k* 91	July 13	83.13	Jan. 11	—12	Jan. 11	— 2.38	103	
PENNSYLVANIA—														
Berwick	46.85	57.14	49.40	51.13	July 13	96	July 13	83.33	Jan. 10	—10	Jan. 10	— 5.00	106	4.22
Cannonsburg	46.39	57.36	52.18	51.98	July 12	*q* 90	July 14	81.67	Jan. 8	*r* 6	Jan. 8	8.33	81	5.55
Chambersburg	48.57	59.50	50.97	53.01	July 13	98	July 12	87.67	Jan. 10	2	Jan. 10	5.33	96	5.46
Easton (*s*)	46 62	57.01	46.04	49 89	July 13	96	July 13	84.00	Jan. 10	— 9	Jan. 10	— 5.83	105	5.38
Fleming	44.21	59.12	45.75	49.69	July 18	99	July 13	85.00	Jan. 10	—11	Jan. 10	— 2 00	110	5.12
Gettysburg	45 96	58.96	49.76	51.56	July 13	97	July 13	87 83	Jan. 10	— 2	Jan. 10	0.00	99	4.81
Harrisburg, [Heisely]	50.09	60.05	54.49	54 88	July 13	98	July 13	90.33	Jan. 10	4	Jan. 10	4.33	94	5.05
Harrisburg, [Hickok]	47.41	58.06	51.85	52 65	July 13	95	July 13	85.83	Jan. 10	— 1	Jan. 10	0.17	96	5.44
Lewisburg	45.51	56.50	47.47	49.83	July 13	95	June 29	82.97	Jan. 10	— 9	Jan. 10	— 5.23	105	6.10
Morrisville	45.61	58.32	47.88	50 61	July 13	94	June 29	83.33	Jan. 10	— 4	Jan. 10	— 2.33	98	3.86
Mount Joy	49 68	62.67	52.27	54.87	July 12	103	July 13	89.67	Jan. 10	5	Jan. 10	1 50	98	4.51
Norristown	47 17	57.14	49.74	51 35	July 13	95	June 29	81.67	Jan. 10	— 2	Jan. 10	— 1.33	97	4.89
North Whitehall (*t*)	43.06	56.91	51.54	50.51	July 13	91	July 13	81.67	Jan. 10	—10	Jan. 10	— 4.67	101	5.12
Philadelphia	49.69	60.21	52.72	54.21	June 29	*u* 95	July 13	86.50	Jan. 10	0	Jan. 10	2.00	95	5.52
Pittsburg, [Mar. Hosp.]	47.21	57 28	50.78	51.76	July 13	*q* 92	July 13	85.67	Jan. 10	2	Jan. 10	6.67	90	5.94
Poempson	47.46	59.87	49.63	52.32	July 3	*n* 93	July 13	85.67	Jan. 10	— 1	Jan. 10	0.33	94	5.08
Shamokin	41.03	55.56	48.08	48.22	July 13	98	June 29	81.67	Jan. 10	— 8	Jan. 10	— 1.67	106	5.19
Somerset	43.47	57.23	46.38	49 03	July 11	96	July 14	82.33	Jan. 10	— 8	Jan. 10	3.00	104	

a Observations taken at 9 a. m. and 9 p. m.
b Same temperature July 14th.
c Observations taken at 6 a. m., 2 p. m., and 10 p. m.
d Same temperature December 28th.
e Same temperature July 12th.
f Same temperature January 11th.
g Same temperature July 13th and 14th.
h April incomplete.
i Same temperature July 11th and 12th.
j For hours of observation, see monthly tables.
k Same temperature July 13th.
l Observations taken at 8 a. m., 2 p. m., and 9 p. m.
m Same temperature August 10th.
n Same temperature July 4th.
o Observations taken at sunrise, 2 p. m., and sunset.
p Daily maximum and minimum.
q Same temperature July 14th.
r Same temperature December 31st.
s Observations taken at 8 a. m., 2 p. m., and 10 p. m.
t Observations taken at sunrise, noon, and sunset.
u Same temperature July 13th and August 4th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG. Date.	HIGHEST DEG. Temp	WARMEST DAY. Date.	WARMEST DAY. M'n temp.	LOWEST DEGREE. Date.	LOWEST DEGREE. Temp.	COLDEST DAY. Date.	COLDEST DAY. M'n temp.		
PENNSYLVANIA—Cont'd.	°	°	°	°		°		°		°		°	°	
West Haverford	47.53	59.10	.....	53.31	July 13	95	July 13	85.50	Jan. 10	— 2	Jan. 10	1.00	97	6.23
Worthington	43.68	57.32	50.69	50.56	July 13	95	July 13	85 33	Jan. 10	—10	Jan. 10	5.00	106	.....
MARYLAND—														
Annapolis	49.73	60.31	55 86	55.30	Aug. 4	93	July 13	87.33	Jan. 10	7	Jan. 10	8.00	89	4.69
Bladensburg (*a*)	48.51	62.41	50.57	53.77	Aug. 3	*b* 95	July 13	83 67	Jan. 10	3	Jan. 10	6.33	92	5.55
Frederick	49.35	58 55	51.81	53.24	July 13	95	July 13	88 33	Dec. 29	14	Jan. 10	7.40	81	5.23
Leitersburg	46.50	59.89	49.15	51.85	July 13	96	July 13	86.00	Jan. 10	0	Jan. 10	2 33	96	4.82
Sykesville	48.10	59.47	50.47	52.68	July 13	*c* 90	July 13	84.33	Jan. 10	— 2	Jan 10	1.00	92	4.62
DIST. OF COLUMBIA—														
Washington	50.91	60.71	54.60	55.41	July 13	94	July 13	87.33	Jan. 10	5	Jan. 10	8.67	89	4.89
VIRGINIA—														
Crickton's Store (*d*)	55.71	65.56	64.39	61.89	July 14	101	July 14	91.33	Dec. 9	*c* 18	Jan. 23	20.67	83	5.07
Cross Creek	41.95	60.13	46 61	49.56	July 13	*f* 97	July 12	82.00	Jan. 10	— 8	Dec. 31	2.00	105	.....
Lewisburg (*g*)	46.75	63.66	51.69	53.83	Aug. 20	*h* 92	June 29	81.33	Jan. 24	— 2	Jan. 8	9.00	94	3.97
Poplar Grove	48 63	65.13	50.81	55.19	July 13	*i* 99	July 11	83.33	Jan. 23	6	Dec. 8	12.00	93	5.21
Portsmouth	54.21	67.04	54.90	58.73	July 20	97.5	July 14	85.83	Jan. 10	15.5	Jan. 10	19.83	82	3.63
Rose Hill	.....	.....	.....	.....	July.....	91	.....	.....	January .	15	.....	.....	76	.....
Rougemont	51.89	64.60	55 52	57 31	July 13	95	July 13	90.00	Jan. 23	5	Jan. 10	11 67	90	5.02
Smithfield (*j*)	51.63	64.71	51.84	57.07	July 13	92	July 14	83.40	Jan. 10	11	Jan. 10	16.67	81	5.02
Westwood (*g*)	51.48	65.41	56.21	57.72	July 14	100	July 11	83.00	Jan. 10	13	Jan. 10	15.67	87	.....
NORTH CAROLINA—														
Chapel Hill (*k*)	53.46	68.61	57.12	59 74	July 18	*l* 99	July 18	89.67	Jan. 23	13	Jan. 23	18.67	86	5.04
Green Plains	52.73	67.69	54.08	58.17	July 14	1 2	July 14	90.00	Jan. 22	12	Jan. 22	16 67	90	.....
Murfreesborough (*m*)	54.54	63.77	58.20	60.07	July 14	95	July 14	85 67	Jan. 11	15	Jan. 23	20.33	80	3.77
SOUTH CAROLINA—														
Aiken	55.74	71.32	58.79	61.95	July 19	98	July 19	88.00	Jan. 21	18	Jan. 23	23.33	80	4.33
All Saints	60.02	69 57	62.10	63.90	July 19	*l* 92	July 18	*n* 85 00	Jan. 24	22	Jan 23	27 67	70	.....
Charleston	61.70	71.19	65.62	66.17	July 19	91	July 19	87.33	Jan. 24	25	Jan. 23	31.67	66	.....
St. John's (*o*)	.....	.....	.....	64.24	July 19	98	July 19	87.67	Dec. 25	18	?	?	80	4.75
GEORGIA—														
Atlanta	54.06	66.33	59.14	59.85	July 14	*p* 92	July 18	84.00	Dec. 8	*q* 16	Dec. 8	22.67	76	3.65
Thomaston	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.38
Whitemarsh Island	62.54	71.55	65.17	66.42	July 19	97	July 26	86.00	Jan. 21	25	Jan. 23	33.33	74	4.39
FLORIDA—														
Alligator	63.28	78.11	66.16	69.18	July 18	100	July 25	87.33	Jan. 23	27	Jan. 23	31.00	77	3.77
Ausena	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.82
Belair (*r*)	63.02	76.31	67 81	69.05	July 19	95	June 11	88.00	Dec. 8	22	Jan. 23	32.00	75	.....
Jacksonville	67.12	76.01	67.65	70.26	July 26	95	July 25	87.67	Jan. 9	*q* 30	Jan. 23	33.67	65	4.20
Micanopy	63.82	78.37	66.49	69.56	May 18	97	July 26	85.83	Jan. 9	25	Jan. 23	35.67	72	4.63
St. Augustine	69.93	75 17	69.73	71.61	July 28	95	July 23	87.33	Jan. 9	35	Jan 23	40.67	60	4.04
Salt Ponds (*s*)	76.20	81.61	.....	78.91	Sept. 4	*t* 91	July 23	*u* 87.50	Jan. 10	*v* 55	Jan. 10	56.00	36	3.62
ALABAMA—														
Greenesborough (*r*)	57.14	70.54	60.73	62.80	July 13	*w* 93	July 19	85.67	Jan. 23	14	Jan. 23	24.00	79	3.87
MISSISSIPPI—														
Columbus	56.29	70.75	60.59	62.51	July 20	99	July 19	88.03	Dec. 8	12	Dec. 7	18.40	87	3.98
Natchez	58.61	72.54	65.22	65.46	July 14	91	July 20	*u* 83.67	Dec. 7	*x* 16	Dec. 7	21.00	75	4.59
LOUISIANA—														
New Orleans (*d*)	69.71	74.65	74.15	72 84	July 20	95	July 21	91.00	Dec. 8	26	Dec. 7	31.67	69	.....
TEXAS—														
Austin, [Palm]	61 25	76.70	64.36	67.44	July 29	*y* 101	July 14	*z* 89 67	Dec. 6	10	Dec. 6	12 34	91	4.57
Austin. [Van Nostrand]	60.88	77.73	65.63	68.08	June 21	101	Aug 12	90.67	Dec. 21	10	Dec. 6	15.67	91	4.72
Larissa	60.56	74.53	65.49	66.79	Aug. 11	104	Aug. 21	91.50	Dec. 7	3	.....	?	101	3.99
New Braunfels	61.96	79.94	68.31	70.07	Aug. 11	104 *aa*	Aug. 13	92.00	Dec. 7	15	Dec. 6	19.66	89	1.40
Roundtop	61.75	80.29	68.46	70 17	August..	104	.....	.....	Dec.	9	.....	.....	95	.....
Sterdale	59.77	77.42	62.39	66.53	July 14	103	July 10	90.83	?	?	?	?	?	4.31
Union Hill	60.11	75.64	61.84	66.86	Aug. 29	100	July 31	*bb* 86.00	Dec. 7	8	Dec. 6	12.00	92	4.90
Washington (*cc*)	62.06	77.16	62.95	67.39	Aug. 13	103	Aug. 13	89.67	Dec. 7	*dd* 6	Dec. 6	12.33	97	4.17
ARKANSAS—														
Washington (*d*)	55.02	72.26	.....	63.62	July 20	102	July 20	90.00	Dec. 7	6	Dec. 7	15.00	95	.....
TENNESSEE—														
Glenwood	50.97	63.71	55.22	56.63	July 18	*ee* 94	July 18	85.17	Dec. 23	0	Dec. 7	7.67	94	5.26
KENTUCKY—														
Bardstown	51.10	63.03	51.07	56.07	July 14	103	July 14	91.67	Dec. 23	— 7	Dec. 8	9.50	110	4.71
Paris	48.56	61.03	52.68	51 09	July 12	97	July 18	88.00	Dec. 23	— 8	Dec. 7	6 67	105	5.06
Springdale (*d*)	45.96	63 57	57.14	55.56	July 11	101	July 16	87.00	Dec. 23	—12	Jan. 22	6 67	113	5.07
OHIO—														
Avon	47.53	55.53	48.16	50.41	July 18	94	July 14	84.33	Dec. 31	— 8	Dec. 31	— 1.17	102	5.37
Bellefontaine	46.05	56.78	47.11	49.98	July 14	97	July 15	85.67	Dec. 31	—1	Dec. 31	—10.00	111	5.50
Bowling Green	45.85	57.99	48.39	50.71	July 14	95	July 18	84.00	Dec. 31	*ff* —14	Dec. 31	— 4.67	109	5.43

a January and October incomplete.
b Same temperature August 4th.
c Same temperature July 12th.
d For hours of observation, see monthly tables.
e Same temperature January 11th and 23d.
f Same temperature July 12th and 14th.
g August incomplete; see monthly tables.
h Same temperature July 6th and 14th.
i Same temperature July 18th.
j December incomplete.
k June and December incomplete.
l Same temperature July 22d.
m May and July incomplete.
n Same temperature July 25th.
o Several months incomplete.
p Same temperature July 18th, 19th, and 26th.
q Same temperature January 23d.
r Several months incomplete; see monthly tables.
s Thermometer 2½ to 2⅝ degrees too high.
t Same temperature July 23d, 24th, and 29th.
u Same temperature July 24th.
v Same temperature January 11th.
w Same temperature July 19th and 20th.
x Same temperature December 8th.
y Same temperature August 14th.
z Same temperature July 6th and 12th.
aa Same temperature July 27th.
bb Same temperature August 29th.
cc May incomplete.
dd Same temperature December 8th and 21st.
ee Same temperature July 19th.
ff Same temperature January 10th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a. m.	2 p. m.	9 p. m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp	Date.	M'n temp.	Date.	Temp.	Date.	M'n temp.		
	°	°	°	°		°		°		°		°	°	
OHIO—Continued.														
Cincinnati, [Harper]	50.68	64.08	55.59	56.72	July 17	101	July 14	*a* 89.33	Dec. 8	— 3	Dec. 31	2.67	104	4.77
Cincinnati, [Phillips]	51.17	62.63	56.01	56.60	July 15	*b*100	June 28	*c* 89.33	Dec. 23	2	Dec. 31	8.00	98	4.26
Cleveland	46.17	54.90	48.69	49.92	June 27	*d* 93	June 27	83.50	Dec. 31	— 8	Dec. 31	— 2.00	101	6.30
Collingwood	45.78	57.53	47.96	50.42	July 11	*e*96	June 28	*c* 84.67	Dec. 31	—15	Dec. 31	— 6.33	111	.....
Hillsborough	46.13	56.97	51.04	51.38	July 18	93	July 17	83.50	Dec. 31	*f* — 1	Dec. 31	1.50	94	4.57
Hudson (*g*)	45.65	55.12	48.26	49.68	July 2	89	.....	?	Dec. 31	— 5	Dec. 31	— 3.65	94	5.56
Jackson, (Mon. Co.)(*h*)	47.64	59.60	49.92	52.39	July 15	98	.....	?	Jan. 23	— 0.5	Jan. 23	8.17	98.5	.....
Madison, [King]	46.66	55.02	45.32	49.00	July 18	97	July 2	86.33	Dec. 31	— 8	Dec. 31	4.00	105	5.74
Montville	45.37	54.37	47.40	49.05	July 14	*i* 93	July 14	85.00	Dec. 31	—10	Dec. 31	— 5.00	103	5.80
New Lisbon	47.26	61.75	49.89	52.97	July 12	98	June 28	85.33	Dec. 22	— 4	Dec. 31	0.67	102	4.32
Portsmouth	49.54	64.94	52.64	55.71	July 17	103	July 17	89.83	Dec. 8	*j* 4	Dec. 31	10.33	99	4.47
Rockport	48 65	58.90	51.60	53 05	July 13	*i* 94	July 13	89.00	Dec. 31	— 7	Dec. 31	0.33	101	.....
Savannah	46.18	59.54	47.36	51.03	July 14	104	July 14	90 00	Dec. 8	—20	Dec. 31	— 8.33	124	5.96
Troy	46.10	59.69	50.70	52.16	July 15	103	July 12	88.00	Dec. 8	—15	Dec. 31	— 4.67	118	5.03
Urbana	45.13	59.81	48.22	51.05	July 12	*k*96	July 18	84.67	Dec. 8	—10	Dec. 31	— 5.33	106	5.48
Welchfield	45.97	56.48	45.11	49.19	July 14	100	July 14	89.00	Dec. 31	— 9	Dec. 31	— 4.00	109	4.74
Westerville	46.90	58.78	50.48	52.05	July 15	96½	....	?	Dec. 8	—12	Dec. 31	0.67	108.5	5.42
Windham	43.58	55.96	47.58	49.04	July 17	92	July 12	*l* 80.00	Dec. 31	— 5	Dec. 31	1.20	97	.....
MICHIGAN—														
Battle Creek (*m*)	43.72	56.41	45.70	48.61	July 17	99	July 17	86.33	Jan. 10	—24	Dec. 31	— 9.00	123	4.40
Detroit	46.54	57.09	45.33	49.65	July 12	*n* 97	July 12	*i* 88.33	Dec. 31	—14	Dec. 31	— 9.33	111	5.62
Marquette	36.95	45.49	36.80	39.75	Aug. 9	97	Aug. 9	81.03	Dec. 7	—19	Dec. 30	— 7.40	116	5.69
Monroe, [Whelpley]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.34
New Buffalo	45 26	.....	.....	.....	July 18	93	July 17	86.00	Dec. 31	—16	Dec. 31	—11.10	109	6.41
Ottawa Point (*o*)	40.12	48.01	45.97	44.33	July 18	83	July 18	79.00	Jan. 10	—12	Jan. 10	— 1.75	95	6.38
Thunder Bay Island (*p*)	38.87	43.34	41.49	41.32	July 16	78.5	July 19	75.00	Dec. 31	— 5	Jan. 9	— 3.25	83.5	6.67
Ypsilanti (*q*)	43.27	55.39	45.09	47.92	July 14	98	July 13	84.33	Jan. 10	—17	Jan. 10	4.33	115	6.00
INDIANA—														
Aurora (*r*)	48.31	63.76	54.12	55.56	July 17	108	July 18	94 33	Dec. 8	—14	Jan. 22	1.33	122	.....
Cannelton	51.80	62.11	53.74	55.88	July 19	96	July 19	86 63	Dec. 23	— 2	Jan. 22	7.60	98	4.63
Logansport	47.43	60.06	50.85	52.78	July 17	102	July 17	92.67	Jan. 8	—10	Dec. 31	— 4.33	112	5.69
New Harmony	50.72	62.17	51.30	55.73	July 11	*s* 96	July 18	90.33	Dec. 23	2	Dec. 31	6.33	94	5.00
ILLINOIS—														
Augusta	43.98	56.66	49.16	49.93	July 16	93	July 15	84.67	Dec. 31	—13	Dec. 31	— 7.00	106	4.00
Aurora	42.09	55.30	44.54	47.31	July 17	*b* 95	July 17	85.67	Dec. 31	—22	Dec. 31	—16.67	117	4.73
Batavia, [Mead]	41.40	55.90	43.70	47.00	July 11	106	July 17	91.00	Dec. 31	—22	Dec. 31	—17.67	128	5.26
Edgington	42.74	57.19	47.31	49.08	July 15	*a*100	July 17	90.00	Dec. 31	—18	Dec. 31	*t* —11.33	118	5.12
Elgin	41.37	54.12	43.94	46.48	July 17	100	July 17	88.33	Dec. 31	—22	Dec. 31	—17.00	122	5.54
Manchester (*u*)	46.37	59.08	48.93	51.46	July 15	94	July 18	85.67	Jan. 7	*v* — 8	Jan. 7	*w*— 0.33	106	4.93
Marengo	42.17	53.50	43.47	46.38	July 17	100	July 17	88.67	Dec. 31	—18	Dec. 31	—12.33	118	5.07
Ottawa	42.48	55.59	47.04	48.37	July 18	96	July 16	86.67	Dec. 31	—20	Dec. 31	—15.00	116	5.31
Pekin	44.51	58.31	48.35	50.39	July 18	99	July 18	89.00	Dec. 31	—16	Dec. 31	— 9.33	115	4.98
Peoria	46.53	58.78	51.35	52.22	July 15	104	July 15	90.00	Dec. 31	—13	Dec. 31	— 8.67	117	4.79
Riley	41.22	53.98	42.83	46 01	July 17	97	July 17	87.00	Dec. 31	—26	Dec. 31	—19.67	123	4.17
Sandwich	43.03	56.43	46.02	48.49	July 11	*i*100	July 17	90.00	Jan. 8	—21	Dec. 31	—15.00	121	4.84
West Salem	50.41	63.93	54.07	56 14	July 17	*b*101	July 18	90.33	Dec. 7	*x* 0	Jan. 22	4.33	101	4.83
West Urbana	47.00	58.26	49.40	51.55	July 15	98	July 17	89.67	Jan. 8	—12	Dec. 31	— 5.67	110	5.24
Wheaton	43.28	53.82	41.29	47.13	July 17	96	July 17	88.67	Dec. 31	—21	Dec. 31	—16.17	117	5.72
Winnebago	41.15	54.24	43.85	46.41	July 16	*i* 95	July 17	86.50	Dec. 31	—26	Dec. 31	—20.00	121	4.93
MISSOURI—														
St. Louis, [Engelmann]	50.67	61.75	53.93	55.45	July 18	97	July 14	90.00	Dec. 8	— 3.5	Dec. 6	4.00	100.5	.....
WISCONSIN—														
Appleton	40.12	51.67	41.99	44.59	July 16	95	July 13	84.00	Dec. 31	—20	Dec. 31	—14.00	115	4.51
Beloit	41.45	55.77	43.75	46.99	July 13	98	July 17	86.33	Dec. 31	—22	Dec. 31	—17.00	120	3.96
Kenosha	44.16	51.25	45.82	47.08	July 12	88	June 28	83 50	Dec. 31	—16	Dec. 31	—10.33	104	3.89
Manitowoc	40.90	50.68	43.32	44.97	July 16	92	July 18	81.67	Dec. 31	—16	Dec. 31	— 9.33	108	5.93
Milwaukee, [Winkler]	42.65	51.07	43.52	45.75	July 16	*y* 92	July 19	83.00	Dec. 31	—21	Dec. 31	—15.00	113	4.28
Platteville	40.97	54.61	41.50	46.69	July 16	97	July 17	87.67	Dec. 31	—24	Dec. 31	—18.00	121	4.87
Wausau	38.80	51.79	41.56	44.05	July 30	102	July 30	97.00	Jan. 8	—31	Jan. 8	—13.67	133	4.51
IOWA—														
Bellevue	41.64	41.63	41.64	47.54	July 16	101	July 16	88.00	Dec. 31	—21	Dec. 31	—14.00	122	5.29
Dubuque	43.22	54.05	46.81	48.03	July 16	98	July 16	89.00	Dec. 31	—16	Dec. 30	—12.67	114	4.44
Fairfield	44.46	56.10	46.90	46.32	Aug. 4	93	July 15	88.00	Dec. 6	—12	.....	?	110	5.12
Fort Madison (*z*)	43.85	56.32	49.91	50.03	July 15	*aa*96	July 15	*i* 89.67	Dec. 31	—15	Dec. 31	— 9.00	111	4.30
Muscatine	40.58	45.28	47.01	47.06	July 18	97	July 18	82.67	Dec. 31	—22	Dec. 31	—16.00	119	3.82
Pleasant Plain	43.10	57.21	45.75	48.69	July 15	100	July 17	87.67	Dec. 31	—22	Dec. 31	—13.33	122	4.51
Rossville	39.42	41 96	52.12	41.50	Aug. 14	99	July 16	87.83	Dec. 31	—23	Dec. 31	—18.50	122	4.77
MINNESOTA—														
Beaver Bay, [Clark]	33.17	40.49	34.81	36.16	July 19	85	July 19	70.33	Dec. 31	*bb* —23	Dec. 31	*bb*—17.83	107	4.81
Burlington	31.62	45.23	34.07	36.97	July 12	*cc* 93	July 12	85.67	Dec. 2	—28	Dec. 6	—20.33	121	4.79

a Same temperature July 16th.
b Same temperature July 18th.
c Same temperature June 29th.
d Same temperature July 2d.
e Same temperature July 12th.
f Same temperature January 8th and December 8th.
g April and July incomplete. The records of thermometer at this place are 0.85 too high.
h Several months incomplete; see monthly tables.
i Same temperature July 17th.
j Same temperature January 8th and 23d.
k Same temperature July 13th, 14th, 17th, and 18th.
l Same temperature July 14th.
m December incomplete.
n Same temperature July 19th.
o Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 43.23.
p Observations taken at 6 a. m., 9 a. m., 3 p. m., and 6 p. m. Mean at 9 a. m., 41.59.
q June incomplete.
r Observations taken at 6 a. m., 2 p. m., and 9 p. m.
s Same temperature July 14th, 16th, and 18th.
t Same temperature December 30th.
u For hours of observation, see monthly tables.
v Same temperature January 27th.
w Same temperature January 22d.
x Same temperature December 31st.
y Same temperature August 8th.
z Observations taken at 6 a. m., noon, and 7 p. m.
aa Same temperature July 16th and 17th.
bb Same temperature December 7th.
cc Same temperature July 15th.

No. 52.—THERMOMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	MEAN.				MAXIMA.				MINIMA.				Range for the year.	Mean cloudiness.
	7 a.m.	2 p.m.	9 p.m.	Mean.	HIGHEST DEG.		WARMEST DAY.		LOWEST DEGREE.		COLDEST DAY.			
					Date.	Temp.	Date.	M'n temp	Date.	Temp	Date.	M'n temp.		
MINNESOTA—Cont'd.	°	°	°	°		°		°		°		°	°	
Forest City	35.86	48.23	37.38	40.49	July 16	94	July 16	85.67	Dec. 2	—27	Dec. 30	—20.00	121	2.58
Hazlewood (*a*)	36.42	48.01	39.47	41.30	Aug. 7	96	July 17	87.00	Dec. 6	—24	Dec. 31	—20.00	120	4.73
Princeton	36.97	49.25	39.41	42.88	July 16	101	July 16	90.67	Dec. 7	—31	Dec. 6	—23.33	132	4.52
NEBRASKA—														
Bellevue, ..	43.30	56.80	46.62	48.91	July 14	98	July 14	88.67	Dec. 31	—15	Dec. 31	—12.33	113	?
Elkhorn	40.79	57.00	45.18	47.65	July 15	102	July 15	88.00	Dec. 31	—28	Dec. 31	—20.33	130	4.57
Omaha, [Rain]	41.77	55.17	46.23	47.72	July 14	95	July 14	86.33	Dec. 31	—22	Dec. 31	—17.33	117	4.59
KANSAS—														
Burlingame	46.71	61.99	50.01	52.90	July 18	100	July 18	85.33	Feb. 12	— 6	Dec. 5	0.67	106	3.41
Manhattan (*a*)	46.91	65.14	50.95	54.33	July 2	*b*104	July 14	90.00	Dec. 6	— 8	Dec. 5	— 4.67	112	4.61
CALIFORNIA—														
Sacramento	54.32	63.55	58.34	58.74	June 16	95	June 22	87 00	Jan. 10	*c* 31	Jan. 10	36.00	62	2.91
MEXICO—														
Cordova (*d*)	69.09	72.49	69.78	70.78	Mar. 29	87.1	.....	.....	Jan. 8	55.1	.....	.....	31	.....
Mirador (*e*)	64.70	74.22	66.30	68.41	.....	.....	.....	.....	Nov. 15	46.4	.....	.....	.....	.....
WEST INDIES—														
St. George's, Ber. (*f*)	.....	.....	.....	69.78	August ..	86	.....	.....	March ..	49.1	.....	.....	37	.....
CENTRAL AMERICA—														
Guatemala (*g*)	.....	.....	.....	65.77	May 5	*h*86.7	...	.....	Nov. 3	*i* 45.3	.....	.....	41.4	.....
SOUTH AMERICA—														
Cathr'a Sophia, Sur. (*j*)	74.71	86.02	79.57	80.10	July 18	*k*92	Aug. 7	*l* 82.67	Mar. 9	67	Nov. 21	*m* 76.00	25	4.96

a October incomplete.
b Same temperature July 15th.
c Same temperature December 6th and 29th.
d Observations taken at 9 a. m., 12 m., 3 p. m., 6 p. m., and 6 p. m. Mean at 12 m., 71.29; mean at 6 p. m., 71.24.
e Observations taken at 7 a. m., 2 p. m., and 8 p. m.
f Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
g For hours of observation, see monthly tables.
h Same temperature May 7th.
i Same temperature November 15th.
j Observations taken at 6 a. m., 2 p. m., and 6 p. m.
k Same temperature August 18th, September 6th, and October 18th.
l Same temperature July 17th and 18th, and September 5th and 6th.
m Same temperature August 8th.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.*		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7a.m.	2p m.	9p m	7a.m.	2p.m.	9p.m.
BRITISH AMERICA—	*Inches*	*Inches*	*Inches*		*Inches*		*Inches.*						
St. Martin (*a*)	.228	.304	.255	July 12	.915	Jan. 10	.000	81	71	81	47	30	39
Toronto (*a*)	.244	.259	.247	June 28	*b*. 770	Jan. 10	.008	82	65	77	31	14	27
Windsor	.258	.296	.264	Aug. 4	.895	Dec. 28	.019	87	70	84	51	29	54
MAINE—													
Portland	.243	.254	.249	June 29	.836	Jan. 11	.016	81	65	80	33	10?	21
Steuben	.232	.261	.238	Aug. 10	.759	April 1	*c*. 000	80	68	82	4	0	0
VERMONT—													
Burlington	.242	.267	.257	June 29	.935	Jan. 10	.012	75	63	73	32	19	29
MASSACHUSETTS—													
Amherst	.277	.315	.292	Aug. 4	.990	Jan. 11	.018	89	67	82	42	14	26
Cambridge	------	------	------	----------	------	----------	------	92	82	86	70	61	64
Lawrence	.239	.264	.256	Aug. 2	.991	Jan. 10	.006	74	60	75	20	10	29
Nantucket	.292	.294	.301	July 20	.800	Feb. 7	*d*. 000?	73	61	78	28	0	41
New Bedford	.299	.310	.305	Aug. 4	.827	Jan. 11	.026	85	67	86	39	9	29
Westfield	.252	.269	.278	July 13	.825	Jan. 11	.007	80	56	80	31	8	29
Worcester	.287	.313	.291	Aug. 27	.936	Dec. 29	.029	85	67	82	?	?	?
RHODE ISLAND—													
Providence (*e*)	------	------	------	----------	------	----------	------	----	----	----	----	----	----
CONNECTICUT—													
Middletown	.269	.283	.278	June 29	.915	Mar. 10	.000	82	54	79	40	0	19
Pomfret	.293	.346	.299	June 29	.989	Feb. 16	.000	91	79	89	?	0	?
Wallingford	.273	.289	.283	July 13	1. 298	Jan. 10	.023	85	58	81	42	16	35
NEW YORK—													
Buffalo (*f*)	.270	.289	.283	Aug. 10	.744	Dec. 28	.020	75	65	72	37	26	43
New York city	.292	.319	.303	July 30	1. 016	Jan. 11	*g*. 000	71	59	67	27	0	0
PENNSYLVANIA—													
Berwick	.310	.361	.334	June 29	1. 108	Dec. 31	.038	82	66	80	?	?	?
Chambersburg	.422	.457	.489	July 13	1. 339	Dec. 31	.068	74	68	73	40	19	27
Easton (*h*)	.296	.276	.295	June 29	.846	----------	------	72	52	75	----	----	----
Harrisburg, [Hickok]	.273	.284	.297	Aug. 3	.800	Jan. 9	.000	70	50	65	24	0	11
Lewisburg	.280	.284	.283	June 29	.834	Feb. 1	*i*. 000	77	54	73	0	0	15
Norristown	.294	.308	.310	June 29	*j*. 945	Jan. 9	.034	77	58	75	21	16	33
Somerset	.294	.353	.301	July 14	.951	Jan. 10	.023	90	67	84	61	24	46
MARYLAND—													
Annapolis	.357	.364	.397	June 29	.955	Jan. 10	.039	84	61	77	43	15	39
DISTRICT OF COLUMBIA—													
Washington	.338	.335	.364	June 12	.985	Jan. 10	.022	77	56	73	33	12	33
NORTH CAROLNA—													
Murfreesborough	.465	.582	.519	?	?	Jan. 11	.094	94	83	91	?	?	?
SOUTH CAROLINA—													
All Saints	.489	.543	506	Sept. 12	1. 151	April 18	.041	86	69	83	49	7	39
St. John's (*k*)	.470	.519	.495	July 21	.983	Jan. 24	*l*. 096	83	66	83	45	32	40
FLORIDA—													
Jacksonville	.622	.709	.623	Aug. 31	1. 242	Jan. 8	*m*. 129	86	75	86	37	53	44
MISSISSIPPI—													
Columbus	.454	.489	.488	July 18	1. 023	Dec. 8	.061	85	57	81	?	?	?
TEXAS—													
Austin, [Van Nostrand]	.495	.416	.468	June 26	*n*. 907	Nov. 14	.003	80	42	67	28	1	7
Larissa	.504	.562	.521	June 13	1. 242	Feb. 3	.000	83	63	76	?	0	?
Sisterdale	.445	.390	.424	June 30	.958	Nov. 13	*o*. 000	75	39	68	0	0	0
TENNESSEE—													
Glenwood	.367	.374	.388	July 26	.927	Oct. 26	.035	83	56	77	14	12	5

* The maxima, being generally 100, or complete saturation, are omitted in this table.

a Observations taken at 6 a. m., 2 p. m., and 10 p. m.
b Same amount July 19th.
c Same amount January 12th and 30th, and February 10th.?
d Same amount February 15th.
e Mean relative humidity for the year, 64.
f Observations taken at 8 a. m., 2 p. m., and 9 p. m.
g Same amount February 11th.
h For 11 months only; December wanting. Observations taken at 8 a. m., 2 p. m., and 10 p. m.
i Same amount November 16th.
j Same amount August 24th.
k Several months incomplete.
l Same amount December 25th.
m Same amount January 23d.
n Same amount July 12th.
o Same amount March 10th.

No. 53.—PSYCHROMETER—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	FORCE OF VAPOR.							RELATIVE HUMIDITY.					
	MEAN.			MAXIMUM.		MINIMUM.		MEAN.			MINIMA.		
	7 a. m.	2 p. m.	9 p. m.	Date.	Force.	Date.	Force.	7a.m.	2p.m.	9p.m	7a.m.	2p m.	9p.m.
KENTUCKY—	*Inches.*	*Inches.*	*Inches.*		*Inches.*		*Inches.*						
Bardstown	.356	.376	.367	July 15	.931	Mar. 26	*a*.000	79	58	75	38	0	0
Springdale (*b*)	.303	.404	.389	July 16	1.341	Dec. 7	.001	85	64	75	22	9	2
OHIO—													
Avon	.302	.326	.307	June 14	1.117	Feb. 14	*c*.000	76	64	78	0	0	0
Cincinnati, [Harper]	.356	.462	.385	July 17	1.065	Dec. 24	.000	80	69	75	0	?	?
Hillsborough	.305	.332	.314	Aug. 5	.877	Dec. 31	.017	80	61	72	39	9	18
Montville	.285	.314	.301	Aug. 11	.883	Dec. 31	.027	81	65	78	83	12	35
Savannah	.296	.336	.305	June 28	1.382	Dec. 31	.000	83	67	83	0	14	40
Westerville	.321	.348	.349	May 7	.877	Dec. 8	.026	83	62	81	46	21	41
MICHIGAN—													
Detroit	.241	.318	.241	Aug. 11	1.038	April 29	*d*.000	66	58	65	0	0	11
Marquette	.207	.231	.208	July 15	1.051	Feb. 5	*e*.000	75	65	76	0	0	0
Ottawa Point (*f*)	.257	.322	.309	July 16	.996	Feb. 4	.019	86	81	82	43	33	39
Thunder Bay Island (*g*)	.226	.247	.240	July 19	.779	Dec. 7	.000	78	73	76	0	16	15
Ypsilanti (*h*)	.261	.264	.270	June 27	.778	Dec. 8	.000	76	55	70	0	15	0
INDIANA—													
New Harmony	.398	.449	.437	July 16	1.270	Dec. 23	.018	88	69	88	53	25	33
ILLINOIS—													
Augusta	.307	.361	.334	June 26	1.028	Dec. 31	.019	85	66	79	20	25	39
Batavia, [Mead]	.289	.356	.302	July 17	1.165	Mar. 5	.000	81	63	80	23	0	28
Manchester	.364	.462	.389	July 15	1.187	Jan. 7	.031	95	82	94	64	24	40
Peoria	.293	.308	.320	July 16	.942	Jan. 22	.014	75	53	70	45	17	32
Wheaton	.264	.263	.267	July 15	.839	Dec. 12	.001?	79	57	78	41	1?	36
MISSOURI—													
St. Louis, [Engelmann]	.338	.348	.357	July 14	.899	Jan. 22	.028	76	55	73	34	8	32
WISCONSIN—													
Appleton	.252	.323	.272	Aug. 17	1.283	Dec. 31	*h*.000	70	64	75	0	0	0
IOWA—													
Fairfield	.261	.285	.264	July 15	.877	Feb. 16	*i*.000	67	50	66	10	0	0
CALIFORNIA—													
Sacramento	.322	.371	.365	June 20	.942	Mar. 28	.078	74	63	74	34	18?	37
MEXICO—													
Mirador (*j*)	1.259	1.375	1.444	April 29	1.890*k*	Jan. 5	.490	----	----	----	----	----	----
WEST INDIES—													
St. George's, Bermuda (*l*)	------	------	------	----------	------	----------	------	----	----	----	----	----	----
CENTRAL AMERICA—													
Guatemala (*m*)	.459	.474	.481	----------	------	----------	------	64	61	89	81	53	74
SOUTH AMERICA—													
Catharina Sophia, Surinam (*b*)	.769	.850	.848	Sept. 17	.997	Mar. 10	.577	89	69	84	----	----	----

a Same amount March 23d.
b For changes in hours of observation, &c., see tables of the thermometer.
c Same amount April 1st and 10th, and December 4th.
d Same amount January 10th, 22d, and 23d, and May 3d and 9th.
e Same amount March 1st, April 14th, May 15th, and December 30th.
f Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .288; mean relative humidity at 9 a. m., 84.
g Observations taken at 6 and 9 a. m., and 3 and 6 p. m. Mean force of vapor at 9 a. m., .233; mean relative humidity at 9 a. m., 74.
h Same amount January 8th and 22d.
i Same amount December 1st.
j Observations taken at 7 a. m., 2 p. m., and 8 p. m., and "humidity reduced to $\frac{1}{1000}$ water in the cubic space of air."
k Same amount May 2d.
l Mean force of vapor for the year, .619; mean relative humidity, 81; minimum humidity, 39. Observations taken at 3½ a. m., 9½ a. m., 3½ p. m., and 9½ p. m.
m Mean force of vapor at 4 a. m., .465; mean relative humidity at 4 a. m., 95. For hours of observation see monthly tables of the thermometer.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
BRITISH AMERICA—																			
Red River Settlement	160	21	43	31	268	61	94	98	240	1016	54	21	19	43	76	30	57	60	360
St. John's	162	71	8	68	75	178	150	380	3	1095	98	59	3	22	40	87	95	210	604
St. Martin	9	245	17	198	34	393	62	137	0	1095	----	----	----	----	----	----	----	----	----
Stanbridge	74	79	53	304	189	75	196	76	49	1095	----	----	----	----	----	----	----	----	----
Toronto	31	216	43	126	23	256	43	292	65	1095	----	----	----	----	----	----	----	----	----
Windsor	119	68	63	45	67	201	148	135	132	978	----	----	----	----	----	----	----	----	----
MAINE—																			
Cornish	114	89	75	45	97	300	245	129	0	1094	4	2	0	1	3	26	31	27	94
Cornishville	99	58	22	57	143	134	213	366	3	1095	----	----	----	----	----	----	----	----	----
Dexter	65	142	59	59	106	159	101	361	43	1095	----	----	----	----	----	----	----	----	----
Gardiner	37	156	22	133	43	179	36	282	105	993	20	25	0	27	26	133	43	151	425
Perry	73	110	29	66	87	266	66	379	4	1080	43	31	1	7	18	98	67	130	395
Portland	146	138	60	81	148	128	187	184	1	1073	17	6	4	7	31	56	135	82	338
Steuben	23	256	9	58	11	380	34	269	51	1091	9	78	4	7	2	199	79	111	489
NEW HAMPSHIRE—																			
Shelburne	0	1	208	0	0	7	481	1	165	863	4	1	17	37	3	48	216	203	529
Stratford	12	130	177	28	89	164	201	118	176	1095	3	1	3	4	4	50	207	74	346
VERMONT—																			
Brandon	140	0	24	182	287	76	83	239	63	1094	37	3	0	10	24	99	78	282	533
Burlington	154	68	3	25	224	238	44	299	0	1055	----	----	----	----	----	----	----	----	----
Craftsbury	26	101	16	64	356	136	127	224	45	1095	23	13	3	5	50	80	324	164	562
Lunenburg	5	12	37	24	140	92	263	173	1	747	----	----	----	----	----	----	----	----	----
St. Johnsbury	246	11	22	19	300	10	223	171	45	1047	21	4	4	2	69	19	170	30	319
MASSACHUSETTS—																			
Amherst	35	39	28	248	70	94	69	433	1	1017	9	16	10	28	27	49	74	116	329
Cambridge	77	100	73	49	76	211	109	130	199	1024	----	----	----	----	----	----	----	----	----
Florida	7	62	16	95	14	190	385	328	1	1098	----	----	----	----	----	----	----	----	----
Lawrence	9	195	15	109	7	289	11	458	0	1093	----	----	----	----	----	----	----	----	----
Nantucket	82	148	36	98	56	273	78	242	80	1093	----	----	----	----	----	----	----	----	----
New Bedford	46	164	19	100	33	326	60	330	10	1088	15	20	5	7	6	45	50	60	208
Westfield	91	107	55	170	52	149	190	281	0	1095	0	0	0	1	0	12	3	6	22
Worcester	44	191	19	121	33	243	47	368	5	1071	4	22	1	14	11	93	26	114	285
RHODE ISLAND—																			
Providence	47	145	34	44	99	221	59	326	5	980	----	----	----	----	----	----	----	----	----
CONNECTICUT—																			
Middletown	99	62	9	58	72	191	47	228	327	1093	10	12	4	6	3	90	173	98	396
Pomfret	56	172	19	59	136	209	22	414	0	1087	19	124	7	39	78	145	53	263	728
Saybrook	73	118	109	94	64	168	96	246	80	1048	24	27	8	15	18	51	152	76	371
Wallingford	161	137	15	95	128	243	40	276	0	1095	10	21	6	15	9	93	192	76	422
NEW YORK—																			
Baldwinsville	33	44	134	56	71	126	398	230	1	1093	20	11	28	20	18	69	493	157	816
Bellport	116	118	50	138	64	266	96	224	22	1094	18	27	21	51	29	86	49	55	336
Beverly	62	134	1	135	66	362	12	223	0	995	21	71	20	92	59	234	102	64	663
Cazenovia	40	14	13	90	170	176	149	375	27	1054	14	8	6	57	51	137	258	275	806
Morrisania	74	123	93	143	100	190	200	116	8	1047	26	37	34	32	28	29	55	15	256
Nichols	98	13	66	239	260	31	69	319	0	1095	137	14	9	68	161	50	74	338	851
Ogdensburg	49	70	19	7	36	131	75	56	0	443	----	----	----	----	----	----	----	----	----
Oswego	64	116	76	178	178	77	312	64	26	1091	----	----	----	----	----	----	----	----	----
Penn Yan	56	59	3	11	280	290	294	101	0	1094	----	----	----	----	----	----	----	----	----
Wampsville	2	5	165	94	115	80	612	32	0	1095	2	16	107	62	83	148	399	20	807
NEW JERSEY—																			
Lambertville	58	156	25	105	87	197	53	309	0	990	----	----	----	----	----	----	----	----	----
Newark	45	183	20	85	6	205	43	144	2	733	----	----	----	----	----	----	----	----	----
PENNSYLVANIA—																			
Berwick	48	37	357	26	61	71	357	71	5	1033	----	----	----	----	----	----	----	----	----
Cannonsburg	6	33	264	33	4	154	495	95	8	1092	----	----	----	----	----	----	----	----	----
Chambersburg	71	44	199	117	58	78	290	62	176	1095	50	30	48	17	79	119	346	98	787
Easton	71	146	4	215	44	82	40	370	18	990	----	----	----	----	----	----	----	----	----
Fleming	10	26	130	168	4	171	223	322	5	1059	14	12	21	54	9	55	269	249	683
Gettysburg	81	148	20	36	122	276	112	174	125	1094	40	41	13	11	41	158	251	139	694
Harrisburg, [Heisely]	81	32	117	130	145	75	219	248	29	1076	31	0	10	31	59	47	113	104	395
Harrisburg, [Hickok]	127	70	202	49	157	82	333	65	5	1090	1	0	7	0	19	7	58	4	96

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
PENNSYLVANIA—Contin'd.																			
Lewisburg	104	99	23	53	155	123	158	82	215	1012	11	4	2	5	19	37	95	53	226
Morrisville	33	124	99	102	96	272	92	166	108	1092	9	89	56	55	16	255	145	119	744
Mount Joy	18	19	12	163	51	36	14	305	150	768	25	20	6	52	10	38	46	124	321
Norristown	7	51	167	104	39	107	401	63	0	939	1	32	100	38	16	126	337	26	676
Philadelphia	23	213	25	79	37	324	116	278	0	1095	5	31	7	6	15	87	78	69	298
Pittsburg, [Mar. Hosp.]	72	30	101	151	115	154	181	243	48	1095	15	18	27	39	39	192	138	54	522
Pocopson	116	114	57	44	93	243	236	100	28	1031	39	24	6	11	17	99	162	60	418
Shamokin	19	20	287	47	247	23	142	10	0	1095	3	5	274	17	25	23	486	14	847
Somerset	23	16	36	118	53	134	262	133	320	1095	12	7	21	29	28	121	376	94	691
MARYLAND—																			
Annapolis	88	217	37	83	238	188	34	129	82	1096	12	14	1	0	1	224	21	22	295
Frederick	48	219	10	24	82	103	178	118	214	996	7	10	1	16	41	48	283	30	436
Leitersburg	78	32	38	50	198	241	202	163	92	1094	46	30	24	28	49	123	291	187	778
Sykesville	115	135	62	94	147	175	261	104	0	1093	26	46	72	64	29	106	510	21	874
DISTRICT OF COLUMBIA—																			
Washington	68	138	38	75	235	75	81	199	164	1073	---	---	---	---	---	---	---	---	---
VIRGINIA—																			
Crichton's Store	227	117	41	35	182	276	90	69	50	1087	1	0	1	0	3	131	30	0	166
Lewisburg	84	85	60	62	136	379	89	127	9	1031	---	---	---	---	---	---	---	---	---
Poplar Grove	0	24	223	24	1	30	289	179	325	1095	23	23	8	16	21	170	228	109	603
Portsmouth	37	223	98	150	21	267	106	186	0	1088	---	---	---	---	---	---	---	---	---
Rougemont	138	162	61	19	195	80	241	40	56	992	24	34	3	7	48	31	264	25	436
Smithfield	132	170	51	73	154	195	63	110	0	948	52	50	16	14	23	105	173	91	524
NORTH CAROLINA—																			
Chapel Hill	153	194	41	25	103	187	219	92	5	1019	38	69	14	3	47	229	115	29	544
Murfreesborough	43	152	54	119	56	195	89	96	142	946	29	67	17	25	19	83	249	42	531
SOUTH CAROLINA—																			
Aiken	47	140	177	38	107	186	123	7	0	825	---	---	---	---	---	---	---	---	---
All Saints	165	66	96	81	271	187	161	61	2	1090	39	21	20	6	27	181	154	19	467
St John's	39	171	39	218	44	210	43	215	0	979	17	40	15	15	14	70	157	84	412
GEORGIA—																			
Atlanta	20	25	199	92	121	127	285	226	0	1095	---	---	---	---	---	---	---	---	---
Thomaston	165	177	96	106	71	160	106	180	0	1061	---	---	---	---	---	---	---	---	---
Whitemarsh Island	72	187	31	102	121	115	127	128	205	1088	21	60	14	36	28	102	113	109	483
FLORIDA—																			
Alligator	14	165	118	82	57	217	72	69	292	1086	27	106	38	19	37	119	85	27	458
Atsena	107	266	115	109	65	137	174	94	28	1095	48	118	79	76	62	98	89	57	627
Jacksonville	63	293	14	125	46	336	30	168	7	1082	19	180	24	45	25	268	55	35	651
St. Augustine	57	147	33	210	15	155	12	141	25	1095	59	326	51	132	32	93	22	98	813
Salt Ponds	115	144	162	154	81	25	17	15	17	730	---	---	---	---	---	---	---	---	---
ALABAMA—																			
Greensborough	104	36	53	271	85	85	78	229	0	941	26	10	18	64	21	84	167	50	410
MISSISSIPPI—																			
Columbus	194	57	135	116	213	62	34	181	1	1093	35	8	27	38	108	94	176	71	537
Natchez	203	188	29	178	152	214	21	110	0	1095	11	50	12	29	3	113	52	78	353
LOUISIANA—																			
New Orleans	0	317	3	333	0	245	0	197	0	1095	---	---	---	---	---	---	---	---	---
TEXAS—																			
Austin, [Palm]	144	32	73	181	262	255	64	79	5	1095	30	32	32	39	134	118	30	20	435
Austin, [Van Nostrand]	199	38	42	52	527	39	95	77	24	1093	36	12	12	22	257	127	34	8	508
Larissa	101	39	81	161	370	112	55	101	21	1041	74	22	28	16	144	81	50	32	447
New Braunfels	224	34	119	284	263	35	51	53	0	1063	3	0	22	13	52	15	7	2	114
Union Hill	249	28	74	88	526	47	42	13	28	1095	111	11	16	40	452	19	56	15	720
Washington	139	6	19	42	437	8	84	66	236	1037	6	6	1	5	58	6	19	0	101
TENNESSEE—																			
Glenwood	78	119	109	215	178	85	66	111	134	1095	31	36	32	29	76	159	287	116	766
KENTUCKY—																			
Bardstown	47	132	28	103	185	210	154	130	89	1078	35	37	24	28	46	187	220	83	665
Paris	48	137	23	109	95	308	126	217	2	1065	21	18	27	13	56	70	281	36	522
Springdale	14	151	62	42	86	277	86	73	304	1095	---	---	---	---	---	---	---	---	---
OHIO—																			
Avon	54	138	49	108	153	241	178	159	1	1072	20	19	2	12	12	109	375	176	725

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
OHIO—Continued.																			
Bellefontaine	2	144	62	198	17	269	122	224	0	1038	4	129	19	143	6	274	76	148	799
Bowling Green	29	139	35	53	63	284	77	100	285	1065	18	27	12	8	10	128	186	97	486
Cincinnati, [Harper]	96	81	137	50	148	188	229	132	0	1061	----	----	----	----	----	----	----	----	----
Cleveland	128	102	34	165	257	112	147	80	13	1038	28	11	2	3	13	51	140	42	290
Hillsborough	3	171	2	227	29	367	43	248	2	1092	1	2	2	4	0	68	4	39	120
Hudson	60	100	97	136	99	210	172	131	4	1009	----	----	----	----	----	----	----	----	----
Madison, [King]	60	110	17	120	131	218	101	129	94	980	27	48	14	50	60	247	132	107	685
Montville	91	96	1	225	150	320	23	181	6	1093	16	15	2	13	20	159	53	86	364
New Lisbon	55	41	55	127	95	350	139	232	1	1095	22	25	28	82	51	255	137	176	776
Portsmouth	94	123	70	90	51	384	86	162	1	1061	----	----	----	----	----	----	----	----	----
Rockport	110	86	110	28	112	210	311	107	1	1105	----	----	----	----	----	----	----	----	----
Savannah	29	80	7	164	25	420	162	208	0	1095	24	54	5	23	16	353	136	204	815
Urbana	13	68	34	138	101	159	136	100	309	1058	25	32	10	14	40	166	323	91	701
Welchfield	122	41	14	272	85	279	133	149	0	1095	3	0	1	1	0	19	4	9	37
Westerville	148	48	19	31	215	260	220	122	6	1069	58	28	4	15	93	159	222	87	666
MICHIGAN—																			
Battle Creek	46	75	127	91	145	146	232	87	121	1070	12	21	15	6	10	142	404	129	739
Detroit	15	55	75	208	85	361	252	44	0	1095	7	30	55	127	110	368	335	53	1085
Marquette	54	82	99	132	88	119	209	307	3	1093	----	----	----	----	----	----	----	----	----
Monroe	19	169	44	199	7	266	63	193	0	960	15	145	36	174	7	193	53	163	786
New Buffalo	----	----	----	----	----	----	----	----	----	----	13	13	57	35	21	189	291	209	828
Ottawa Point (*a*)	75	277	90	125	200	285	106	301	0	1459	42	155	106	40	36	125	73	45	622
Thunder Bay Island	256	102	86	255	201	139	78	263	80	1460	104	34	30	63	62	45	81	246	665
Ypsilanti	49	115	102	118	50	304	165	131	29	1063	24	43	30	37	23	155	229	84	625
INDIANA—																			
Aurora	11	44	17	13	55	71	81	27	7	326	----	----	----	----	----	----	----	----	----
Cannelton	51	25	121	229	165	103	213	177	7	1091	24	11	31	37	71	143	128	89	534
Logansport	43	163	92	123	10	259	175	230	0	1095	44	135	82	53	30	125	218	199	886
New Harmony	77	16	40	172	164	156	113	206	0	944	----	----	----	----	----	----	----	----	----
ILLINOIS—																			
Augusta	28	150	82	147	121	178	140	177	72	1095	14	47	21	40	31	88	124	117	482
Aurora	73	177	45	116	186	173	179	146	0	1095	22	36	6	11	26	191	271	112	675
Batavia, [Mead]	6	302	9	102	3	414	67	192	0	1095	4	159	3	53	2	351	71	217	860
Edgington	40	145	25	138	53	326	38	330	0	1095	36	78	25	92	34	344	45	278	932
Elgin	58	141	60	130	142	153	98	214	99	1095	1	2	0	0	3	23	60	33	122
Manchester	147	108	44	82	345	90	169	109	1	1095	100	57	32	40	216	77	140	75	737
Marengo	9	63	146	197	103	366	156	29	5	1074	----	----	----	----	----	----	----	----	----
Ottawa	33	199	21	145	52	278	78	171	31	1068	18	17	7	6	13	111	56	76	304
Pekin	123	107	85	118	227	89	71	184	57	1061	50	23	32	21	46	126	214	106	618
Peoria	58	205	124	56	140	80	354	78	0	1095	2	2	1	3	10	8	36	6	68
Riley	64	76	89	83	104	139	200	175	117	1047	----	----	----	----	----	----	----	----	----
Sandwich	82	190	55	180	116	150	99	221	1	1094	1	24	1	3	0	27	425	59	540
West Salem	62	86	45	138	203	84	57	159	261	1095	11	7	2	4	10	162	292	22	510
West Urbana	88	138	38	207	86	248	84	205	0	1094	----	----	----	----	----	----	----	----	----
Wheaton	64	183	88	73	106	201	117	209	38	1079	14	9	1	1	10	36	41	38	150
Winnebago	96	130	56	164	167	187	144	151	0	1095	22	21	7	4	9	107	179	84	433
WISCONSIN—																			
Appleton	104	232	31	55	121	374	46	105	7	1078	33	75	12	18	23	135	29	38	363
Beloit	162	47	82	169	216	146	190	143	0	1095	----	----	----	----	----	----	----	----	----
Kenosha	50	85	168	118	150	165	211	74	26	1047	----	----	----	----	----	----	----	----	----
Manitowoc	84	86	58	123	132	188	159	265	0	1095	7	8	3	4	12	53	110	60	257
Milwaukee, [Winkler]	42	207	72	143	31	157	163	280	0	1095	----	----	----	----	----	----	----	----	----
Platteville	85	51	105	245	101	100	159	243	0	1092	51	31	50	101	52	140	168	183	779
Wausau	150	48	73	98	104	130	229	123	115	1070	74	24	26	40	45	91	171	83	554
IOWA—																			
Bellevue	87	78	105	112	125	148	222	190	1	1068	----	----	----	----	----	----	----	----	----
Dubuque	125	59	36	105	150	143	75	238	156	1087	26	34	11	57	23	118	134	212	615
Fairfield	7	69	2	217	6	184	17	298	286	1086	----	----	----	----	----	----	----	----	----
Fort Madison	21	152	10	202	9	322	23	337	19	1095	58	23	14	59	37	155	202	124	672
Muscatine	58	83	104	122	155	156	235	182	0	1095	3	17	1	5	4	122	72	25	249

a It is uncertain whether, in recording the motion of the clouds at this place, the direction toward which they moved was noted, or that from which they came.

No. 54.—WINDS—NUMBER OF OBSERVATIONS—SUMMARY FOR THE YEAR 1859.

NAME OF STATION.	SURFACE CURRENT.										MOTION OF CLOUDS.								
	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Calm or variable.	Total.	North.	Between north and east.	East.	Between south and east.	South.	Between south and west.	West.	Between north and west.	Total.
IOWA—Continued.																			
Pleasant Plain	14	137	45	176	132	211	42	298	31	1086	2	5	0	8	12	159	99	61	346
Rossville	87	61	111	101	125	152	165	223	57	1082	....	....	....	....	....	....	....	....	....
MINNESOTA—																			
Beaver Bay	106	207	86	12	82	130	130	95	247	1095	74	69	30	7	24	121	150	95	570
Burlington	114	97	217	38	125	43	102	236	101	1073	90	60	165	19	62	32	177	158	763
Forest City	65	45	66	96	133	57	132	110	379	1083	....	....	....	....	....	....	....	....	....
Hazlewood	27	41	44	131	230	72	93	404	0	1042	14	22	51	19	28	10	36	47	227
Princeton	132	73	108	101	113	77	217	142	107	1070	69	17	53	20	65	61	173	75	533
NEBRASKA—																			
Bellevue	365	101	50	44	337	52	57	49	24	1079	100	32	19	15	80	51	43	36	376
Elkhorn	98	150	59	215	156	136	54	218	9	1095	....	....	....	....	....	....	....	....	....
Omaha, [Rain]	112	62	28	155	226	132	75	254	51	1095	....	....	....	....	....	....	....	....	....
KANSAS—																			
Burlingame	239	45	58	239	123	67	21	80	223	1095	....	....	....	....	....	....	....	....	....
Manhattan	107	92	60	92	194	144	22	99	264	1074	80	63	31	51	100	231	70	136	762
CALIFORNIA—																			
Sacramento	244	66	40	190	289	121	78	67	0	1095	0	0	9	74	6	103	65	13	270
MEXICO—																			
Cordova	11	169	24	22	2	63	26	42	6	365	....	....	....	....	....	....	....	....	....
WEST INDIES—																			
St. George's, Bermuda	138	167	130	139	203	363	182	138	0	1460	....	....	....	....	....	....	....	....	....
CENTRAL AMERICA—																			
Guatemala	56	806	18	16	3	262	6	52	235	1454	....	....	....	....	....	....	....	....	....

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